

90 p.

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**CANADIAN PAWNEE OIL CORP.**  
**GEOPHYSICAL REPORT**  
 ON  
**PULSE ELECTROMAGNETOMETER, MAGNETOMETER**  
**VLF-ELECTROMAGNETOMETER AND**  
**SELF POTENTIAL SURVEYS**  
 ON THE  
**LEXINGTON PROPERTY, GREENWOOD M.D.**  
 LATITUDE 49°01'N LONGITUDE 118°37'W  
 NTS 82E/2  
 AUTHOR: Cliff Candy, B.Sc.,  
 Geophysicist  
 DATE OF WORK: June 9 - August 13, 1986  
 DATE OF REPORT: September 15, 1986

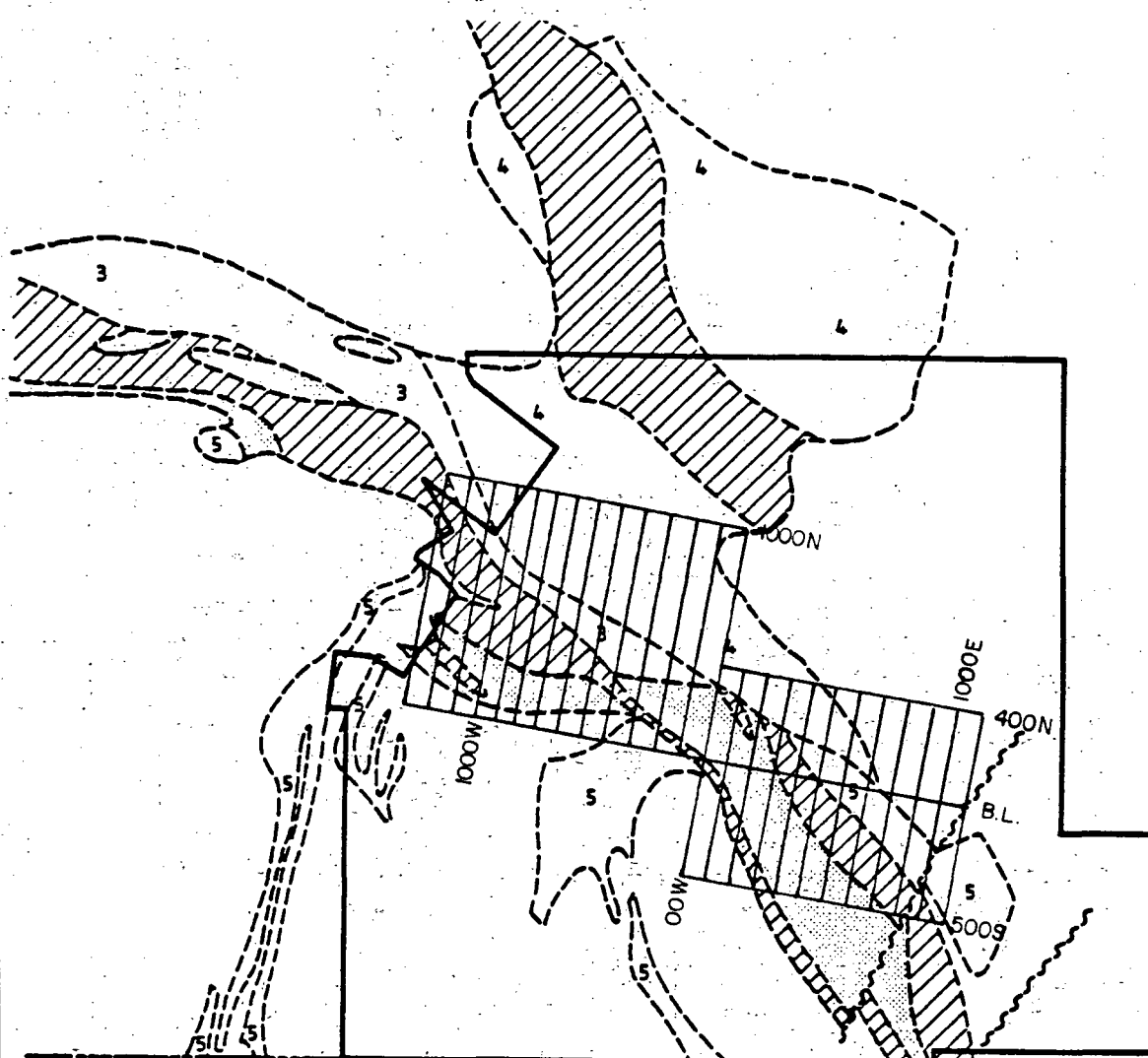
PART 2 OF 2

FILMED

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**






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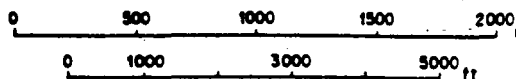




CANADA  
U.S.A.

**LEGEND**

-  SERPENTINE
-  DACITE
-  SCHISTS
-  QUARTZ - CHLORITE GNEISS
-  BIOTITE - DIORITE DYKES



**GENERAL GEOLOGY**

**WHITE GEOPHYSICAL INC.**

PLATE 1

**INTRODUCTION**

White Geophysical Inc. conducted a program of pulse electromagnetometer, VLF-electromagnetometer, magnetometer and self potential surveying on the Lexington Project on behalf of Canadian Pawnee Oil Corp. The pulse electromagnetometer survey consists of approximately 17.6 kilometres of coverage from four transmitter loops. The other surveys consist of approximately 44 kilometres of coverage.

**PROPERTY**

The property is comprised of the following claims:

<b>CLAIM</b>	<b>UNITS</b>	<b>RECORD #</b>	<b>EXPIRY</b>
Dandy	20		July 30,1988
Iron King	20	3821	July 29,1988
Bruce	9	2766	June 30,1994
Bing	20	2765	June 30,1994
Holly #1	1	1271	August 11,1991
Holly #3	1	1273	August 11,1991
Holly #12	1	1282	August 11,1991
Marie Stewart	1	4444	Sept. 26,1988
Excelsior	1	1351	October 16,1994
Cuba	1	997	April 19,1994
St. Lawrence	1	595	April 19,1994
New Jack of Spades	1	996	April 19,1994
City of Vancouver	1	L2013	
Lexington	1	L 645	
City of Denver	1	L1161	
Notre Dame Des Mines	1	L1095	
Oro	1	L 614	
Oro Fr.	1	L1096	
Puyallup	1	L1152	
Golden Cache Zone	1	L 955	
#4	1	L 791	
Lincoln	1	L 621	
City of Paris	1	L 622	



## LOCATION AND ACCESS

The property is located along the U.S. border in the Greenwood Mining Division of southern British Columbia, roughly 540 km by road from Vancouver. Highway #3, the southern Trans-Canada, gives access to Greenwood and Grand Forks, while a number of good to fair gravel roads provide access to the property from either city. A heavy duty gravel road (Phoenix haul road) passes through the property, within 2 km of the main drilling areas, and can provide all-weather access to the ground.

## GENERAL GEOLOGY

The geology of the property is described by R.P. Page in his report of February 24, 1982 (Ref. 2)

"Bedrock on the property and surrounding area consists in general of an older schist unit and a younger sequence of moderately deformed bedded rocks, cut in turn by: (a) early Mesozoic? felsic intrusives; (b) Cretaceous? serpentinite bodies; and (c) early Tertiary diorite to alkali diorite dikes and stocks (Fig. 4). The most significant mineralization on the property occurs within a quartz porphyry to felsite unit of the early Mesozoic? felsic intrusives, collectively termed dacite on property plans and sections.

### Layered Rocks

Within the property area, bedded strata includes a basement schist-gneiss complex, and a younger sedimentary-volcanic succession. The older succession is broadly equivalent to the Shuswap crystalline series and consists of thinly-layered quartz-chlorite gneiss, massive lenses of pure metaquartzite and graphitic quartzite, minor muscovite schist and carbonated schists, and a major unit of

amphibolite. The younger succession appears to be of Late Paleozoic-Early Mesozoic age and unconformably overlies the basement complex. Three major units are well-exposed southwest of the property, including a lower zone of mafic lavas, and intermediate zone of carbonaceous phyllite, and an upper zone of quartz wacke and conglomerate. These younger rocks are only locally deformed, their overall distribution being sub-horizontal.

#### Dacite and Related Intrusive Rocks

Early Mesozoic(?) intrusive rocks consist of an assemblage of apparently related small stocks and hypabyssal felsic sills and dikes, including quartz-feldspar porphyry, felsite, and schistose felsite. The largest of these units is a body of quartz-feldspar porphyry located west of the property, near the junction of McCarren and Gidon Creeks. An elongated, composite, quartz porphyry felsite intrusion (the property dacite) follows the general course of Goosmus Creek and appears to be an easterly extension of the quartz-feldspar porphyry stock.

The dacite exhibits a number of facies, including porphyritic and non-porphyritic phases, an equigranular (1-2mm) phase, and a fine-grained chilled selvage. The typical porphyry phase contains subhedral quartz phenocrysts and composite quartz eyes (2-7mm diameter) set in a matrix of euhedral sodic plagioclase, chloritized biotite, and interstitial fine-grained quartz and feldspar, Sericite, and lesser chloritic alteration is dispersed throughout the intrusion; potash feldspar is scarce.

Most of the dacite on the property is moderately foliated and contains 0.5-1.0% disseminated pyrite. In the areas of the City of Paris, Grenoble, and Lexington adits, the dacite contains 2-5% disseminated pyrite and frequently shows malachite as fracture coatings and fine disseminations.

### Late Intrusive Rocks

Late intrusives on the property include Cretaceous (?) serpentinite masses, early Tertiary diorite and alkali diorite dikes and stocks, and pre-diorite andesite dikes(?). The ultramafic bodies consist of two elongate masses and several smaller lenses, all consisting primarily of an antigorite-rich serpentinite (altered peridotite). Locally, the ultramafics consist of foliated talc rock, talc and brucite(?) + carbonate, or carbonate + quartz + mariposite rock, essentially altered varieties which appear to be related to hydrothermal and/or tectonic activity along faults. Foliated talc rock is prominent along the dacite footwall contact, and occurs locally as narrow dikes within the body of the dacite.

The late intrusive andesite and diorite bodies are essentially unmineralized and sharply cross-cut the dacite. The andesite masses were subjected to regional deformation along with the dacite as they are moderately foliated and chloritized. The diorite dikes are massive, black, porphyritic rocks which followed both pre-existing weaknesses and later tensional structures within the dacite and older rock units.

### STRUCTURE

The overall disposition of the key rock types on the property is that of a gently to moderately dipping sheet (dacite) enclosed by, and locally intruded by serpentinite. The general dip of the major contacts is 20 degrees to 30 degrees to the northeast, with the strike changing in a gentle arc from northwest in the south to nearly east-west in the north. Foliation in both the dacite and serpentinite generally parallels strike, but is more steeply dipping (30 degrees to 60 degrees to the northeast).



The dacite-serpentinite package is in turn cut by: (a) northeast to north trending, steep normal faults; (b) a moderately northwest dipping thrust? fault; (c) a probable east-west trending vertical fault; and (c) an unknown amount of local contact shearing and faulting concentrated in the talc-rich zones of the serpentinite.

### MINERALIZATION

Gold-copper-(silver) mineralization occurs in several styles within the property. Most of these varieties appear to be related to local structural environments and virtually all significant mineralization occurs within the dacite intrusive, at or close to its contacts with either the hanging wall or footwall serpentinites.

The principal varieties of mineralization include: (1) low-angle veins and vein-complex replacements; (2) high-angle (isolated) veins; (3) massive to disseminated pyrite + magnetite + chalcopyrite in talc rock; and (4) low-grade disseminated and fracture-filling pyrite + chalcopyrite."

### PREVIOUS WORK

The history of the property is summarized by R.P. Page and is excerpted as follows:

"Early exploration on the property was focused on the City of Paris crown-granted claim, but minor underground workings were also sunk on the Lexington and Lincoln claims. The first significant work in the City of Paris area was in 1892 when two adjacent shafts were sunk and underground drifting was begun on a pyrite-chalcopyrite rich quartz vein. At the same time another shaft was sunk to shallow depth and drifting began on a tetrahedrite-bearing quartz vein located about 600 feet to the southeast on the Lincoln claim. By

1899 the City of Paris Gold Mining Company had gained control of the property and commenced major underground development under the Lincoln shaft. Other work included construction of an adit and 250 feet of drifting on a pyrite-chalcopyrite vein on the Lexington claim near Goosmus Creek, 2,000 feet northwest of the City of Paris portal.

After a year of production, in 1900, the City of Paris mine was dormant until 1922, when prospecting began again, and in 1938 minor production was realized. Total production from the City of Paris amounted to 2,100 tons grading 3.12% Cu, 0.40 oz. Au/ton and 2.1 oz. Ag/ton.

Subsequently, virtually no further exploration or development was done until 1962, when King Midas Mines Ltd. consolidated many of the old Crown-granted claims and carried out a reconnaissance geochemical survey. A short, northwesterly trending adit was driven at this time near the base of the Lincoln shaft, yielding a few tons of argentiferous ore.

On strike across the Canada-U.S. border, and occurring within a similar geological environment, the Lone Star mine produced sporadically between 1890 and 1920, yielding about 40,900 tons of which 6,500 tons graded 2.6% Cu, 0.032 oz. Au/ton, and 0.19 oz. Ag/ton. In the early 1970's this ground was extensively explored by a number of mining companies, finally achieving some 400,000 tons of production in 1977-78. This was trucked and treated at the Phoenix mill of Granby Mining Co. Ltd. During this period, Silver Standard Mines Ltd. and Granby explored the ground with some 34 percussion holes (R-1 through R-34) totalling about 2,546 m (8,353 feet), in the area southeast of the main zone, but north of the U.S.-Canada border (Richmond property).

In 1967, Lexington Mines Ltd. acquired the claims covering most of the current property and gradually increased their holdings to 132 claims and mineral leases in 1970. Lexington's initial work involved geochem and IP surveys and approximately 10,000 feet of bulldozer trenching. Between April 1969 and July 1970, Lexington put down 33 BQ and NQ diamond drill holes (DDH-1 through DDH-33) totalling 5,564 m (18,225').

In 1972, Granby Mining Co Ltd. optioned the Lexington Mine property and drilled 37 percussion holes (P-1 through P-37) for a total of 2,018 m (6,620 feet). This drilling was conducted to test IP anomalies northwest of the main zone, and attempted to outline open pit reserves of copper mineralization between the Lexington adit and the main zone.

Early in 1974, much of the Lexington Mines property was optioned to Aalenian Resources Ltd. who drilled four additional NQ core holes (DDH-34 through DDH-37) totalling 336 m (1,103 feet), and 13 percussion holes (P-74-1 through P-74-13) for a total of 974 m (3,195 feet). In 1972, because of a market down-turn, the option was dropped and no work was conducted on the ground until Grenoble Energy Ltd. acquired the key claims in 1979.

Early in 1980, Grenoble contracted a seismic refraction study of the area where the main zone approaches the sub-crop surface, and later in the year drove a 115 m horizontal test adit. A raise was cut into the mineralized area, and 20 hole were drilled from the new workings for a total of 1,056 m (3,466 feet).

Teck Corporation optioned the Grenoble Energy holdings in March 1981, and the ground to the southeast from Seraphim et al in June 1981. Additional ground was acquired by Teck through purchase and claim staking at about the same time.

Teck has concentrated on exploration drilling within and along the main zone of mineralization. Twenty-three (23) NQ holes have been completed to date (T-38 through T-60) for a total of 4,535 m (14,880 feet)."

#### **PULSE ELECTROMAGNETOMETER SURVEY**

The Crone pulse electromagnetometer system is a time domain E.M. system which can be used in the standard horizontal loop mode, fixed source mode or in a downhole mode.

The primary field for the standard horizontal loop method is produced by a portable transmitter loop of 6, 10 or 50 metres diameter. A depth of search of approximately 75% of separation is obtainable due to the high sensitivity of the receiver system. As measurements of the time derivative of the secondary field occur during primary field off time the method is relatively free from geometrical restrictions. Interpretation is accomplished with the aid of Slingram horizontal loop curves.

The primary field for the 2000 watt fixed source system is provided by a 500 by 1000 metre transmitter loop. A 150 by 150 metre loop is utilized with the 500 watt system. The time derivative of the secondary field resulting from the presence of a conductor is sampled at eight windows on the decay curve, during primary field off time. These eight channels of secondary field information are equivalent to a wide spectrum of frequencies from approximately 2 KHz to 16 Hz thus allowing conductor character and strength determination. The vertical and horizontal components are obtained at each station on the traverse, using the convention of vertical component positive upwards and horizontal component positive away from the transmitter loop. In areas of high surficial conductivity the primary field on time of 10.8 ms, and the receiver delay times may

be doubled in order to obtain late time information. Time synchronization between transmitter and receiver is by radio or cable link.

The apparent primary field information is recorded at each occupied station. Normalization of the data with respect to instrument gain produces a constant gain plot. In this format a vertical plate-like conductor anomaly would be symmetric. Normalization with respect to the apparent primary field at each station provides a constant primary field plot that is useful in recognizing conductors present in the far primary field and in correlating anomaly amplitudes from line to line. The anomalies lose symmetry in this format but the condition of anomaly amplitude dependence on distance from the loop is relaxed.

The vector focus method of data display is useful in some line source conductor conditions. A resultant vector can be obtained by the vector addition of the vertical and horizontal components of the primary field. A perpendicular to this resultant indicates the apparent eddy current position.

#### **VLF ELECTROMAGNETOMETER AND MAGNETOMETER SURVEY**

A Scintrex IGS-2 system was utilized to gather the VLF-EM and magnetic data. The magnetic field and VLF-EM parameters are measured and stored, along with time and grid position information, in the system memory. The magnetic field is corrected for diurnal variation by connection to a MP-3 recording magnetometer. The corrected magnetic field data and VLF-EM information is then downloaded into a HP-85 for data plotting and digital tape storage.

quality. This would be consistent with a moderately conductive metallic conductor or a shear zone. The conductors are of narrow half width indicating shallow origin. This is further supported by the correlation of these zones with VLF-EM conductors 1 and 3, respectively (Figure 2C). These zones are indicated as occurring within the quartz chlorite gneiss, parallel to the gneiss/schist contact. Conductors C and D, which are present across the schist/dacite contact and within the dacite also show VLF-EM correlation indicating continuation to near surface. The offset and strike break between Conductors C and D is reflected in other geophysical and in geochemical data. Conductor C is a well defined conductor evident in four PEM channels (Figures 47,48). Conductor E is present on the northern dacite/serpentine contact and may be a conductive expression to the known mineralization. However, it shows a strike intermediate to the trend of the dacite/serpentine contact and that of the known mineralized zones. Conductor F appears to be an echelon with Conductor E, further along the contact to the south. Again, correlation with the shallow search VLF-EM data is evident.

Conductors G and H are the most strongly expressed of the conductive responses. Conductor H is generally parallel to the general strike of the serpentine, although offset, but Conductor G departs from this strike, apparently striking across the contact.

Conductor I is a strong response that is apparent in the extreme far field of transmitter loop B.

Conductor J, K and L are much weaker responses evident in early PEM channels only. These are likely lower grade

The VLF-EM station used in the survey is Seattle, Washington transmitting at 24.8 kHz. Readings were taken at 12.5 metre intervals for both surveys, ensuring recovery of high spatial frequency information.

#### **SELF POTENTIAL SURVEY**

The long wire self potential method was utilized for this survey. The zero potential base was established at OON on 300W and all secondary bases referenced to this datum.

In general, self potential responses created by electrochemical effects arising from sulphides, graphite or shear zones are of negative potential and of magnitude greater than 50 millivolts.

#### **DISCUSSION OF RESULTS**

##### **PULSE ELECTROMAGNETOMETER SURVEY**

The pulse electromagnetometer data are displayed in both constant gain and primary field normalized formats on Figures 3-94. The channel 2,3 and 4 data is taken as representative of the behavior of the responses and is displayed in composite profile form on Figure 2A. The vertical component data is Frazer filtered and plotted such that anomalous responses yield a negative peak.

Conductors A and B are present in the far field of transmitter loop C. These responses are apparent in the early to middle channels suggesting a moderate conductor

conductors, but are of much exploration interest due to their dacite/serpentine proximity, particularly in the case of the latter two conductors.

Conductors M and N are of similar weak quality to the J, K, and L. These zones appear to strike nearly east-west, across the general lithologic trend and thus may be manifestations of fault zones at a shallow angle to this strike. Conductor O is an arcuate weak zone somewhat removed from the dacite contact.

#### VLF ELECTROMAGNETOMETER SURVEY

The VLF-EM data is presented as stacked profiles on Figure 2C. As is to be expected there are many more conductors evident than in the PEM data set. The Conductor 1 and 3 coverage show the correlation with the PEM Conductors B and A described above as well as the weaker intermediate Conductor 2. These responses are present within the quartz-chlorite gneiss and may represent recurring graphitic quartzite elements within this lithology. Conductors 4-8 likely fall into this class.

Conductors 9 and 10 are apparently associated with the serpentine contacts. Conductors 12 to 18 form a broad zone of sporadic conductor activity which generally follows the southern dacite/serpentine contact. Conductors 19 and 20 may be updip relatives to the PEM responses F and G. Conductors 20-23 are more difficult to reconcile, possessing quite different strikes. Conductors 25-27 are single line intercepts or short strike length responses of less significance.

#### MAGNETOMETER SURVEY

The total magnetic field shows considerable relief over the



survey area. The very high magnetic responses are generally due to the serpentine which has a strong association with magnetite. The serpentine response tends to show violent high and low swings due to the highly inhomogeneous distribution of magnetite. The dacite also shows strong highs but of a more uniform nature probably due to a more disseminated character to the magnetite distribution. The diorite shows a somewhat reduced peak response and the schists and gneisses show very low overall amplitude of response. The data has been contoured in detail at intermediate magnetic values with a view to evincing fine structural detail. No direct and linear correlation of PEM conductors with magnetic highs is evident, but rather a general correlation of strike and amplitude is present, which is more dependent of the geologic setting of the conductor. This implies that magnetite or pyrrhotite as a conductive component to the response is less likely.

A number of features are noteworthy. The conductive break and offset between Conductors C and D at 250N on line 150W is supported by disruption to the magnetic trends in this vicinity. An area of interest is the zone of strong high and low extremes in the northwest area of the grid which trends down to the south into the serpentine/dacite contact where a strong east-west small scale strike character develops.

#### SELF POTENTIAL SURVEY

The most evident feature in the self potential data set is the very clear demarkation of the strong activity in the quartz-chlorite gneiss and the very flat response of the schists to the south. Along this contact very good correlation of self potential response and Conductor B is evident. The second important feature is the very strong self potential response on lines 1150W-1300W, which

correlates with the area of high magnetic activity described above. The self potential response near the main mineralized zone, and in general over the dacite and serpentine is not as strong, but a few spot lows may be useful indicators of electrochemical activity such as the low near 200N on lines 150E and 200E.

#### **SUMMARY AND CONCLUSIONS**

White Geophysical Inc. conducted a program of pulse electromagnetometer, VLF-electromagnetometer and magnetometer surveying on the Lexington property on behalf of Canadian Pawnee Oil Corp. The pulse EM survey delineated a number of conductors of moderate to poor quality. The source of these anomalies may be metallic conductors, shear zones or possible alteration effects on lithologic contacts. In general, the zones are of shallow depth to top with many having VLF-EM correlation.

The magnetics data was found to be useful in distinguishing rock types and in determining small scale structure features and strikes. In this regard it should be useful in resolving ambiguities in geologic mapping, as it has been with regards to EM line to line correlation.

The SP data shows a very clear contrast across the quartz chlorite gneiss contact suggesting that the conductive zones that are responsible for the repetitions VLF-EM conductors possess electrochemical cell activity as well. The dacite/serpentine areas show lower amplitude responses that are not as well correlated with individual conductors, but in correlation with detailed geologic and geochemical information should be a useful diamond drill target discriminator.

**RECOMMENDATIONS**

A number of diamond drill targets may be planned based on this information. The actual locations will, of course, be guided by detailed geologic geochemical and topographic considerations.

A diamond drill hole intended to test Conductor B near the peak of the EM strength and self-potential strength would be collared, such as to intersect the zone approximately 30 metres beneath station 560N on line 250W. This zone may be within the gneiss and may be a more secondary target.

A diamond drill hole intended to test Conductor D within the dacite would be collared such as to intersect the zone approximately 40 metres beneath 140N on line 00W.

Conductor C could be tested by a diamond drill hole collared such as to intersect the zone approximately 30 metres beneath station 400N on line 500W.

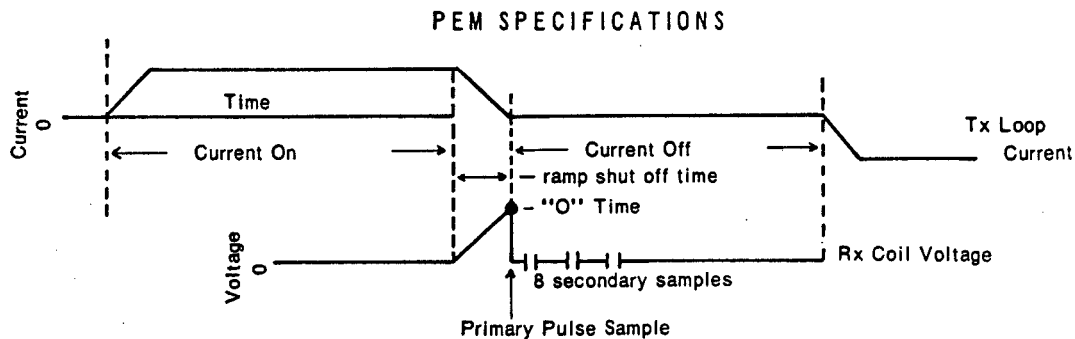
The lower amplitude Conductor K could be tested by a drill hole designed to intersect the zone at a depth of 25 metres beneath station 375N on line 900W. This would also test the area of pronounced magnetics activity discussed above.

VLF-EM Conductors 12-18 along the dacite/serpentine contact may be useful aids to drill target selection. The precise location along strike in this area is best selected from scrutiny of geologic and geochemical information.

Respectfully submitted,



Cliff Candy, B.Sc.  
Geophysicist



Current Off time: 9.4 ms  
 Current on time: 10.8 ms  
 Current shut off (ramp) time: 1.4 ms  
 Sample times (zero to centre of sample): .15ms, .45ms, .85ms, 1.45ms, 2.45ms, 3.75ms, 5.85ms, 8.85ms.

Sample width: 100  $\mu$ s  
 Zero time set at drop off point of primary pulse

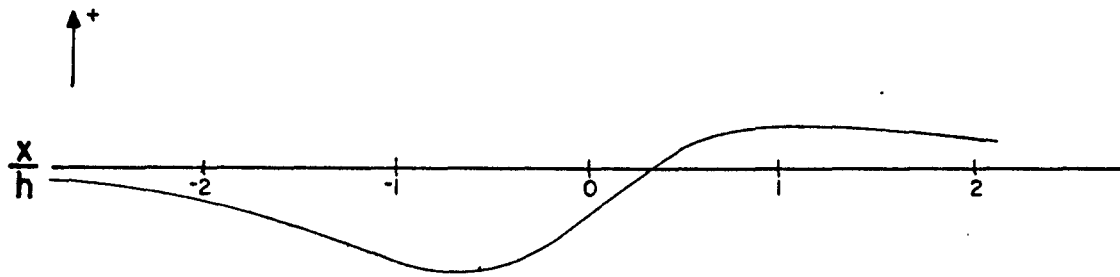
**TRANSMITTER** - Transmitter power and loop size may be increased to obtain increased penetration. Weight, portability and power capabilities of the control instrument are the limiting factors. The standard transmitter is designed to be carried by two men.

Loop diameter	- minimum 4 meters (13 feet)
Loop current	- 15 to 20 amps
Loop applied voltage	- 24 volts
Loop output	- minimum 4500 amps x meter <sup>2</sup>
Loop weight	- 11.8 kilos (26 lb)
Control unit weight	- 10 kilos (22 lb)
Control unit dimensions	- 20.5cm x 25.5cm x 36.5cm (8" x 10" x 14.5")
Battery supply weight	- 18.1 kilos (40 lb)
Battery supply	- 2 of 12 volt, 14 to 20 ampere hour
Timing control	by radio synchronization

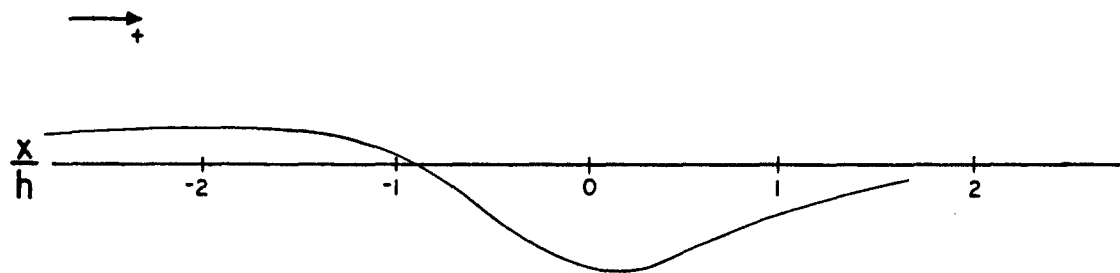
#### RECEIVER

- Receive coil dimensions: 55cm x 15cm (22" x 6")
- Receive coil weight: 4.5 kilos (10 lb)
- Pre-amplifier in coil
- Pre-amplifier batteries: 2 of 9 volt
- Receive coil tripod mounted
- Receiver measuring instrument dimensions: 28cm x 18cm x 21.5cm (11" x 7" x 9")
- Receiver measuring instrument weight: 6.3 kilos (14 lb)
- Timing control by radio synchronization
- Primary sample width: 100  $\mu$ s
- Primary sample can be swept through primary pulse by means of a time calibrated pot
- Zero time set at primary pulse drop-off
- Secondary samples (eight of them) width: 100  $\mu$ s
- Secondary samples time (zero to middle of sample): (1) .15ms (2) .45ms (3) .85ms (4) 1.45ms (5) 2.45ms (6) 3.75ms (7) 5.85ms (8) 8.85ms
- Automatic sampling for 5 seconds then all samples automatically stored
- Sample read out by means of meter
- Continuous sampling possible by switching function switch to "Continuous"
- Noise can be monitored by switching function switch to "Noise"
- Battery supply: 24 volt rechargeable, 2 of 12 volt Gel GC 12-15

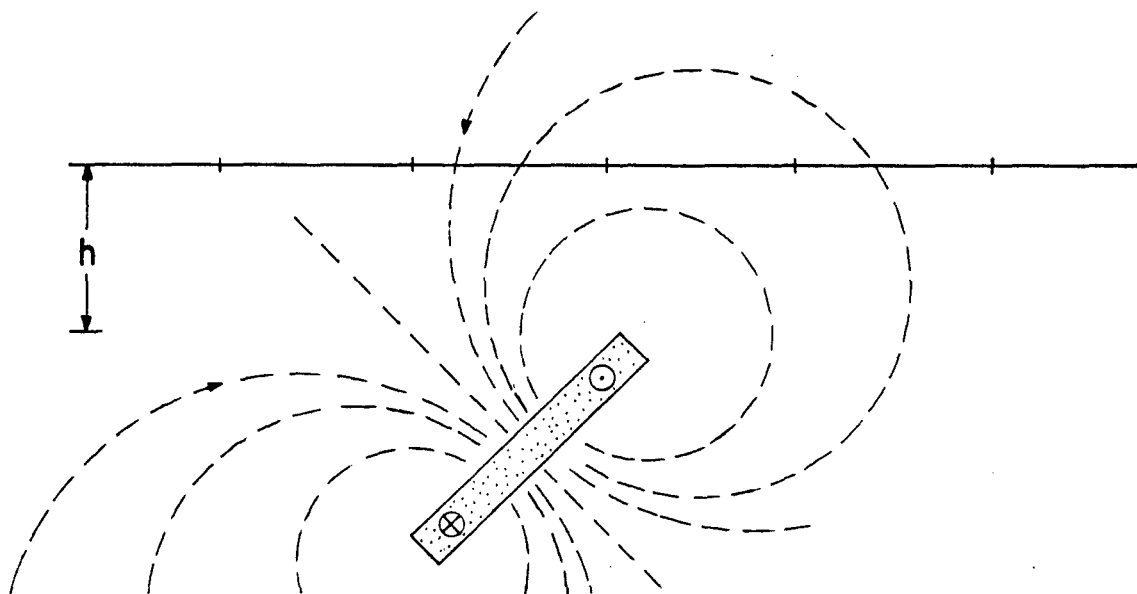
### VERTICAL COMPONENT



### HORIZONTAL COMPONENT

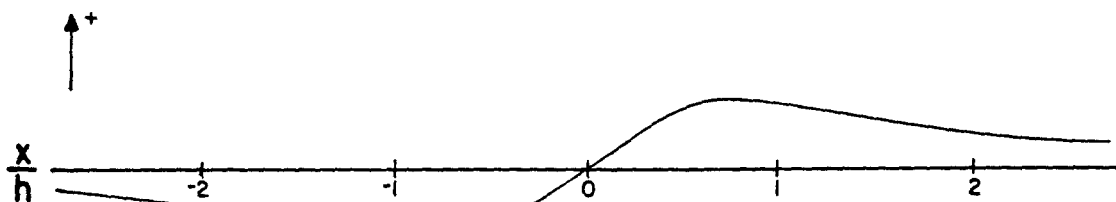


### VPEM ANOMALY SHAPE

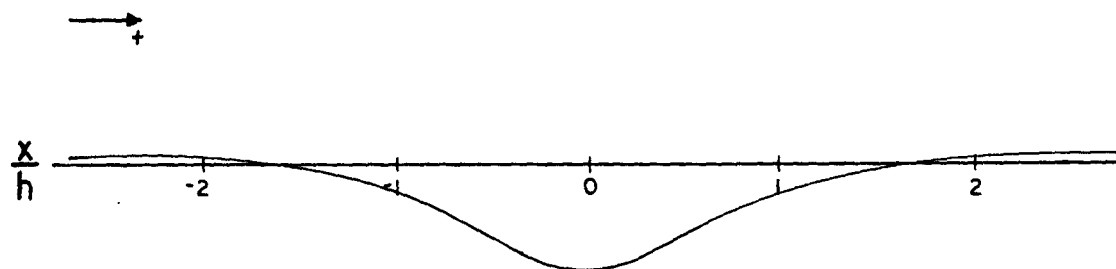


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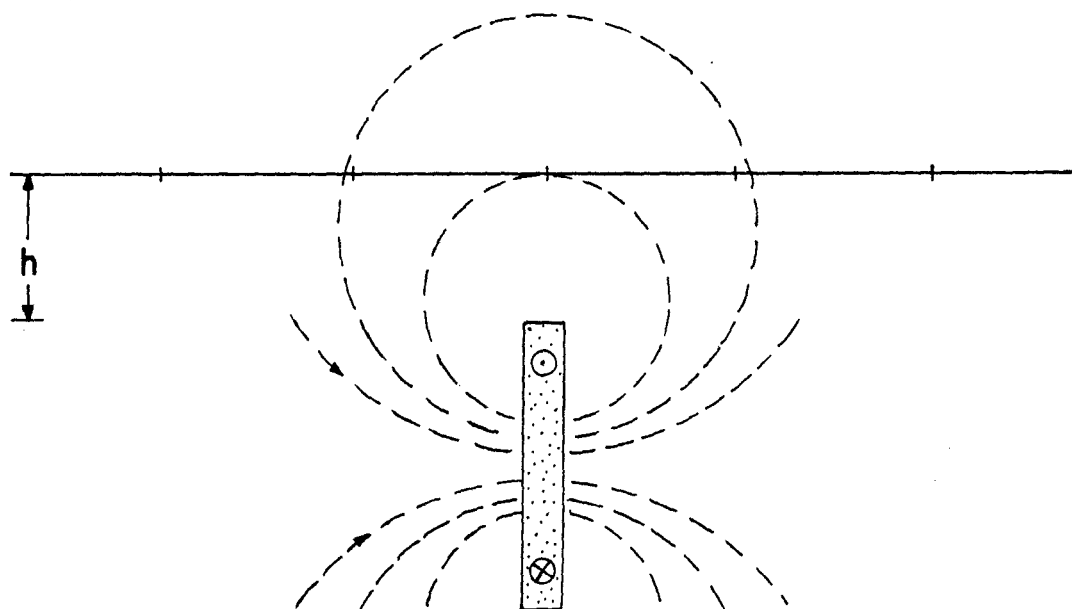
### VERTICAL COMPONENT



### HORIZONTAL COMPONENT

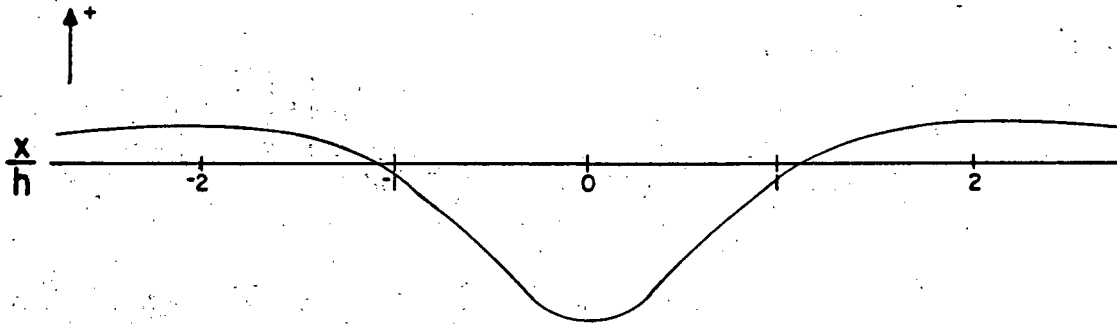


### VPEM ANOMALY SHAPE

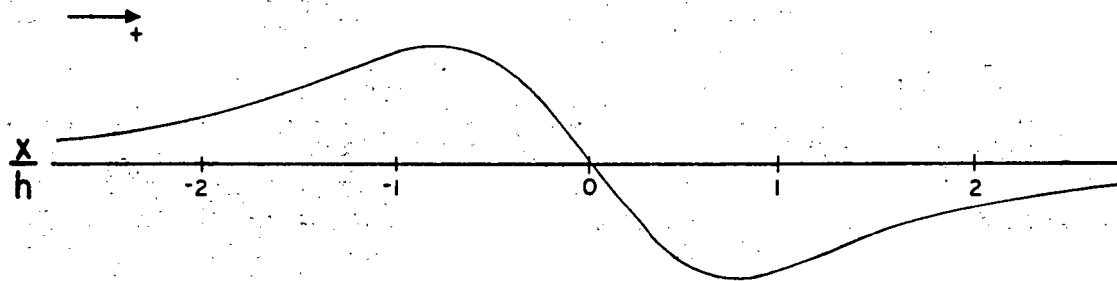


STEEPLY DIPPING TABULAR BODY

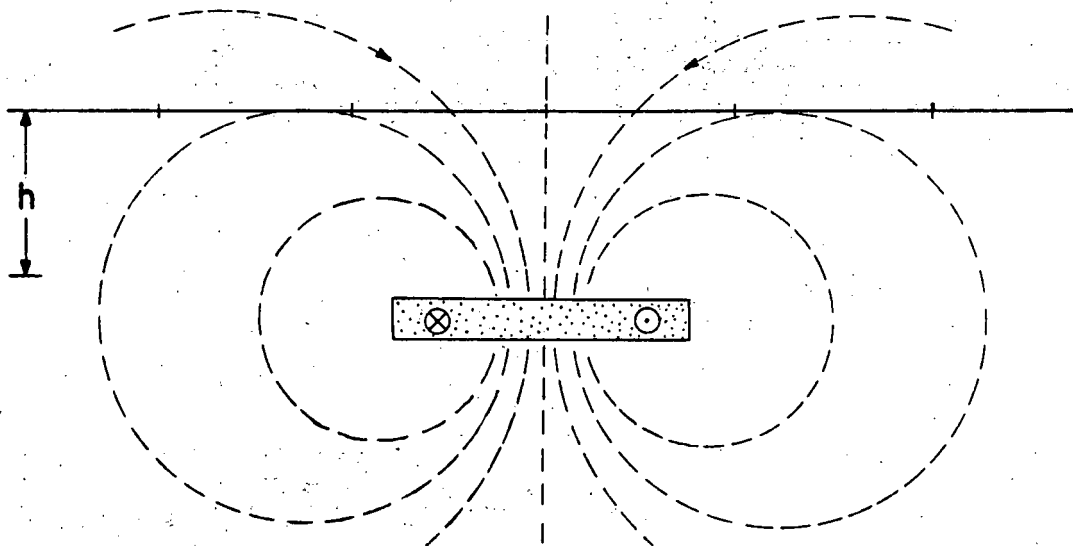
## VERTICAL COMPONENT



## HORIZONTAL COMPONENT



## VPEM ANOMALY SHAPE



FLAT LYING TABULAR BODY

# Technical Description of the MP-3 Proton Magnetometer

**Total Field Operating Range**  
20,000 to 100,000 nT (1 nT = 1 gamma)

**Gradient Tolerance**  
± 5000 nT/m

**Total Field Absolute Accuracy**  
± 1 nT at 50,000 nT  
± 2 nT over total field operating range

**Resolution**  
0.1 nT

**Tuning**  
Fully solid-state. Manual or automatic keyboard selectable.

**Fastest Cycle Time**  
2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.

**Continuous Cycle Times**  
Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.

**Operating Temperature Range**  
-40°C to +50°C provided optional Display Heater is used below -20°C.

**Digital Display**  
32 character, 2 line LCD display

**Keyboard Input**  
14 keys for entering all commands, coordinates, header and ancillary information.

**Languages**  
English plus French is standard.

**Clock**  
Real time clock with day, month, year, hour, minute and second. Needs keyboard initialization only after bat-

tery replacement. One second resolution, ± 1 second stability over 12 hours.

**Standard Memory**  
16K RAM internal solid-state memory in single reading mode records up to 1175 total field and gradient observations, or 1350 total field measurements including coordinates, time and header information. In continuous cycle mode, records up to 8000 total field measurements including time and header information.

**Digital Data Output**  
RS-232C serial interface for digital printer, modem, microcomputer, cassette tape recorder, a second MP-3 or an IGS-2/MP-4. Data outputs in 7 or 8 bit ASCII, one start, two stop bits, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

**Analog Output**  
For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 nT full scale.

**Trigger Output**  
Allows MP-3 to act as master for other instrumentation.

**Console Dimensions**  
240 x 90 x 240 mm includes mounted battery pack.

**Weight**  
2.4 kg excludes batteries.

**Power Requirements**  
Can be powered by external 12 V DC or one of the Battery Pack Options listed below.

## Sensor Options

In the following options the actual sensors are identical, however, mountings and cables vary.

**Portable Total Field Sensor Option**  
Includes sensor, staff, one short cable, one long cable and backpack sensor harness. Weight of sensor, cable and staff is 1.9 kg. Staff comprises four 0.5 m sections of 25 mm diameter aluminum tubing.

**Base Station Sensor Option**  
Includes sensor, tripod, 50 m cable, external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 530 mm collapsed, 1500 mm extended.

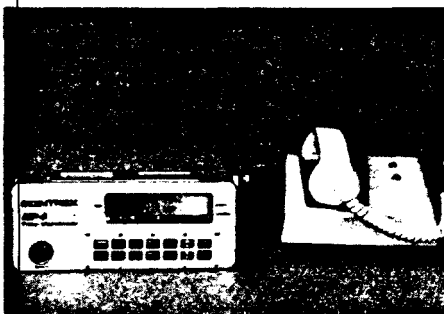
**Gradiometer Sensor Option**  
For use with the Portable Total Field Sensor Option. Includes second sensor, cables and two 0.5 m staff extenders. Combined weight of Total Field and Gradiometer Sensor options with staff, 1 m extender and cables is 3.5 kg.

**Marine Sensor Option**  
Includes sensor installed in a fish with cable up to 100 m in length.

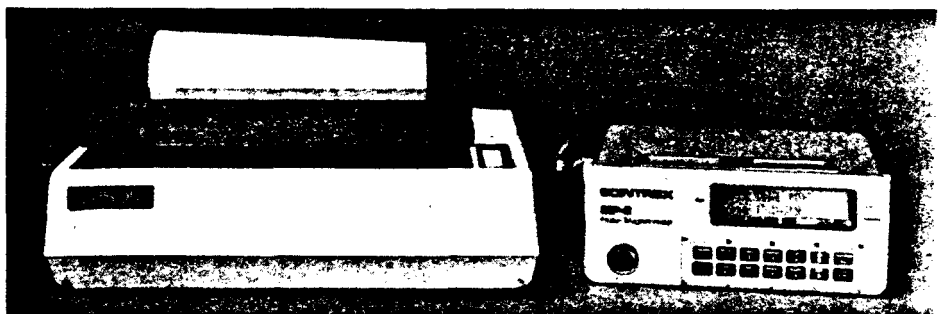
**Airborne Sensor Option**  
Includes sensor installed in a 'bird' with a tow cable or in a 'stinger' mounted on the aircraft.

## Battery Pack Options

**Non-rechargeable Battery Pack**  
Includes battery holder and 10 disposable 'C' cell batteries for installation on console. Nominal capacity is 4.0 Ampere hours. Used in low sensitivity total field magnetometry in



With the use of a modem the MP-3 can send its data across telephone lines.



The MP-3 outputs directly to a digital printer. WHITE GEOPHYSICAL INC.



# Technical Description of the MP-3 Proton Magnetometer

temperatures above 0°C. Weight is 0.9 kg. At 25°C gives 10,000 total field or 5000 total field gradient readings.

## Rechargeable Battery Pack and Charger

Includes battery holder, 6 rechargeable, non-magnetic, sealed lead-acid batteries and charger for installation on console. Best for high sensitivity total field measurements, all gradient measurements and operation below 0°C. Pack weighs 1.3 kg. Nominal capacity is 2.5 Ampere hours. At 25°C gives 7000 total field or 3500 total gradient readings. Charger specifications are: 140 x 95 x 65 mm, 115/230 V AC; 50/60 Hz; 20 VA, overload protected.

**Heavy Duty Rechargeable Battery Pack**  
Includes heavy duty rechargeable batteries installed in a console with a built-in charger. Used for rapid cycling base station or mobile applications. Total weight is 7.6 kg. Nominal capacity is 12.5 Ampere-hours. Dimensions are 240 x 90 x 240 mm. Power requirements: 115/230 V AC; 50/60 Hz; 50 VA. Overload protected.

**Low Temperature Battery Extender Kit**  
Comprises a cover for the bottom of the instrument console, a battery pack cover, a waist belt and a battery cable. Slots on the battery pack cover permit belt mounting next to the operator's body for warmth.

## Optional Accessories

### Language Options

In addition to English, a second language using Latin characters can replace French.

### RS-232 Cable and Adaptor

Includes a special RS-232 data transfer cable and MP-3 to RS-232 cable adaptor. Used for communicating between the MP-3 and peripheral devices including a second MP-3 or IGS-2/MP-4 for diurnal corrections.

### Minor Spare Parts Kit

Includes 2 keyboard diaphragms and two fuses.

### Carrying Cases

A variety of carrying cases are available to suit different combinations of console and sensor options.

### Display Heater

Required for cold weather operation. Powered by main batteries, thermostatically controlled to turn off above -20°C.

### MP-3/4 Proton Magnetometer Function Tester

When connected between the console and sensor, applies a signal to test the polarizing circuit, the coil and the signal processing circuitry. Switch selectable magnetic field simulation at 22,500; 30,000; 45,000; 60,000 and 90,000 nT.

## Peripheral Devices

Scintrex is prepared to recommend or supply digital printers, modems, cassette tape recorders, analog recorders and microcomputers with software.

## Applications Software

Scintrex supplies fully documented software written for the IBM PC computer and certain other microcomputers which use the MS-DOS operating system. This software is designed to permit: 1) archiving of data, 2) processing of magnetic data and 3) profile and contour outputs on digital printers.

## Memory Expansion Options

### Memory Expansion I

Memory can be added on an existing board to complement the 16K RAM Standard Memory. This can be done in up to six 8K RAM increments to raise system memory to a total of 64K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

### Memory Expansion II

An additional board is required on which an additional sixteen 8K RAM groups can be installed to bring the system total memory to 192K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

# Technical Description of the VLF-3 VLF Electromagnetic System

## Frequency Tuning

Automatic digital tuning. Can be tuned to any frequency in the range 15.0 to 29.0 Hz with a bandwidth of 150 Hz. Up to three frequencies can be chosen by keyboard entry for sequential measurements.

## Field Strength Range

Fields as low as 100 nA/m can be received. Maximum received field is 2 mA/metre. These values are specified for 20 kHz. For any other frequency, normalize the above limits with station frequency in kHz/20.

## Signal Filtering

Narrow bandpass, low pass and sharp cut-off high pass filters.

## Measuring Time

0.5 seconds sample interval. As many as  $2^{16}$  samples can be stacked to improve measurement accuracy.

## VLF-Magnetic Field Components Measured

1) Horizontal amplitude, 2) vertical in-phase component, and 3) vertical quadrature components. Vertical components are displayed as a percentage of horizontal component and are related in phase to the horizontal component. Their range is  $\pm 120\%$ ; reading resolution 1%.

## VLF-Magnetic Field Sensor

Two air-cored coils in a backpack mounted housing with an electronic level for automatic tilt compensation. The error in the vertical in-phase component is less than 1% for tilts up to 25°.

## VLF-Electric Field Dipole

Two capacitive electrodes with integral preamplifiers and 5 m of cable. Probe input impedance exceeds 100 megohms and capacitance is less than 1 picofarad.

## VLF-Electric Field Components Measured

In-phase and quadrature components of the horizontal electric field phase related to the horizontal VLF-magnetic field. These components are not recorded but are used in the calculations of resistivity and phase. The reading resolution is 1 ohm.

## Apparent Resistivity Calculation

$$\rho = \frac{1}{2\pi f \mu_0} \left| \frac{E_x}{H_y} \right|^2$$

where:

- $\rho$  = apparent resistivity in ohm-meters
- $E_x$  = horizontal electric amplitude, calculated:  
 $E_x = (E_x(I)^2 + E_x(Q)^2)^{1/2}$
- $H_y$  = horizontal magnetic amplitude, measured
- $f$  = VLF station frequency in Hertz
- $\mu_0$  = permeability of the ground in Henries/meter, a constant

The resistivity calculation has a range of 1 to 100,000 ohm-meters with a resolution of 1 ohm-meter.

## Phase Angle Calculation

The phase angle  $\theta$  is expressed as:

$$\theta = \arctan \frac{E_x(Q)}{E_x(I)}$$

where:

- $E_x(Q)$  = horizontal quadrature VLF electric field, measured
- $E_x(I)$  = horizontal in-phase VLF electric field, measured

The phase angle calculation has a range of  $-180^\circ$  to  $+180^\circ$  with a resolution of  $1^\circ$ . By definition the angle is positive when the E field leads the H field.

## Digital Display

32 character, 2 line LCD display

## Keyboard Input

14 keys for entering all commands, coordinates, header and ancillary information.

## Languages

English plus French is standard.

## Standard Memory

The internal 16K RAM solid-state memory records up to 1100 VLF-magnetic or 600 combined VLF-magnetic and VLF-electric measurements.

## Clock

Real time clock with day, month, year, hour, minute and second. One second resolution,  $\pm 1$  second stability over 12 hours. Needs keyboard initialization only after battery replacement.

## Digital Data Output

RS-232C serial interface for digital printer, modem, microcomputer or cassette tape recorder. Data outputs in 7 or 8 bit ASCII, one start, two stop bits, no parity format. Baud rate is keyboard selectable at 110, 300, 600, and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

## Dimensions

Console: 240 x 90 x 240 mm  
VLF-Magnetic Sensor: 110 mm diameter, length 120 mm

## Weights

Console with Non-Rechargeable Battery Pack; 3.5 kg  
Console with Rechargeable Battery Pack; 4.0 kg  
VLF-magnetic Sensor with harness; 1.5 kg  
VLF-electric Sensor; total weight of capacitive electrodes plus cables is 0.9 kg.

## Operating Temperature Range

$-40^\circ\text{C}$  to  $+50^\circ\text{C}$  provided optional Display Heater is used below  $-20^\circ\text{C}$ .

## Power Requirements

Can be powered by external 12 V DC or one of the Battery Pack Options listed below. The current consumption is 0.2 A.

# Technical Description of the VLF-3 VLF Electromagnetic System

## Optional and Accessory Items

**Non-Rechargeable Battery Pack Option**  
10 disposable alkaline C cell for installation inside VLF-3 console provide 6000 readings at 25°C assuming each measurement requires the typical time of about 15 seconds.

**Rechargeable Battery Pack and Charger Option**  
Six rechargeable lead-acid batteries in holder for installation in VLF-3 console provide 3400 readings at 25°C, assuming each measurement requires 15 seconds. Suggested for cold weather operation.

The charger runs from 115 or 230 V AC, 50 or 60 Hz and draws 20VA. It is overload protected; 140 x 95 x 65 mm; 1.0 kg.

**Low Temperature Battery Extender Kit**  
Comprises a cover for the bottom of the instrument console, a battery pack cover, a waist belt and a battery cable. Slots on the battery pack cover permit belt mounting next to the operator's body for warmth.

**Optional RS-232 Cable and Adaptor**  
Used for communicating between VLF-3 and peripheral devices such as a digital printer, microcomputer, cassette recorder or modem.

**Optional Memory Expansion**  
Increases the memory four times, to a maximum of 64K RAM in 8K RAM increments. Each 16K RAM increments holds as many readings as the Standard Memory.

**Electric Field Sensor Option**  
This option, consisting of two capacitive electrodes with integral preamplifiers and an interconnecting cable permits VLF resistivity measurements to be made. Five metres is the standard cable length, however, longer lengths are available on request.

**Primary Field Drift Correction Option**  
This option consists of a special program EPROM which permits the VLF-3 to operate in a cycling mode, measuring and storing data from up to three transmitters. It also permits communication between a portable and a base station VLF-3 for the purpose of correcting the horizontal VLF-magnetic field vector for changes in primary field strength.

**Display Heater**  
Required for cold weather operation. Powered by main batteries, thermostatically controlled to turn off above -20°C.

**Peripheral Devices**  
Scintrex is prepared to recommend or supply digital printers, modems, cassette tape recorders and microcomputers with software.

**Language Options**  
In addition to English, a second language using Latin characters can replace English.

**Carrying Case**  
Scintrex carrying case CC-4 will carry console, sensor, battery pack, RS-232 cable with adaptor and manual.

**Applications Software**  
Scintrex supplies fully documented software written for the IBM PC computer and certain other microcomputers which use the MS-DOS operating system. This software is designed to permit: 1) archiving of data, 2) calculation of parameters such as VLF ellipticity, dip angle, total field and Fraser filters and 3) profile and contour outputs on digital printers.

**STATEMENT OF QUALIFICATIONS**

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**PROFESSION:** Geophysicist

**EDUCATION:** University of British Columbia  
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**PROFESSIONAL  
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British Columbia Geophysical Society.

**EXPERIENCE:** Eight years Geophysicist with White  
Geophysical Inc., with work in British  
Columbia, Quebec, Saskatchewan, South-  
western U.S.A. and Ireland.

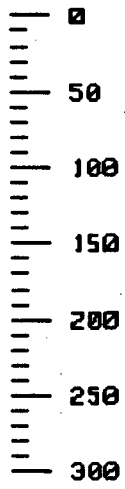
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1. CHURCH, B.N. B.C.D.M. Geology, Exploration, and Mining 1970, p. 413-425; and B.C.D.M. Preliminary Map #2, 1971.
  
2. PAGE, R.P. Interior Report on the Grenoble Lexington Properties, Greenwood MD. B.C., for Tech Explorations Ltd. February 24, 1982.

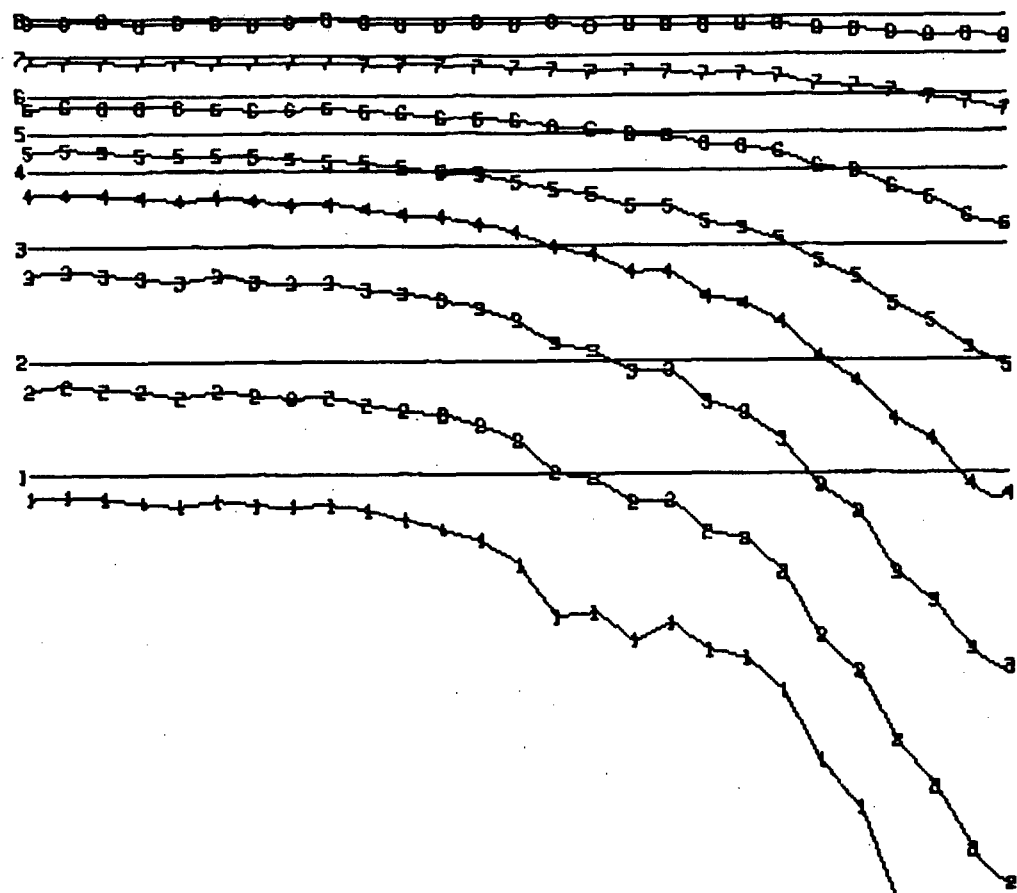
VECTOR PULSE ELECTROMAGNETOMETER COMPONENT PROFILES

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N

LOOP II



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



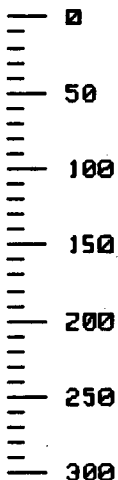
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1000W LOOP II

DATE: JUN/86      FIG.: 3

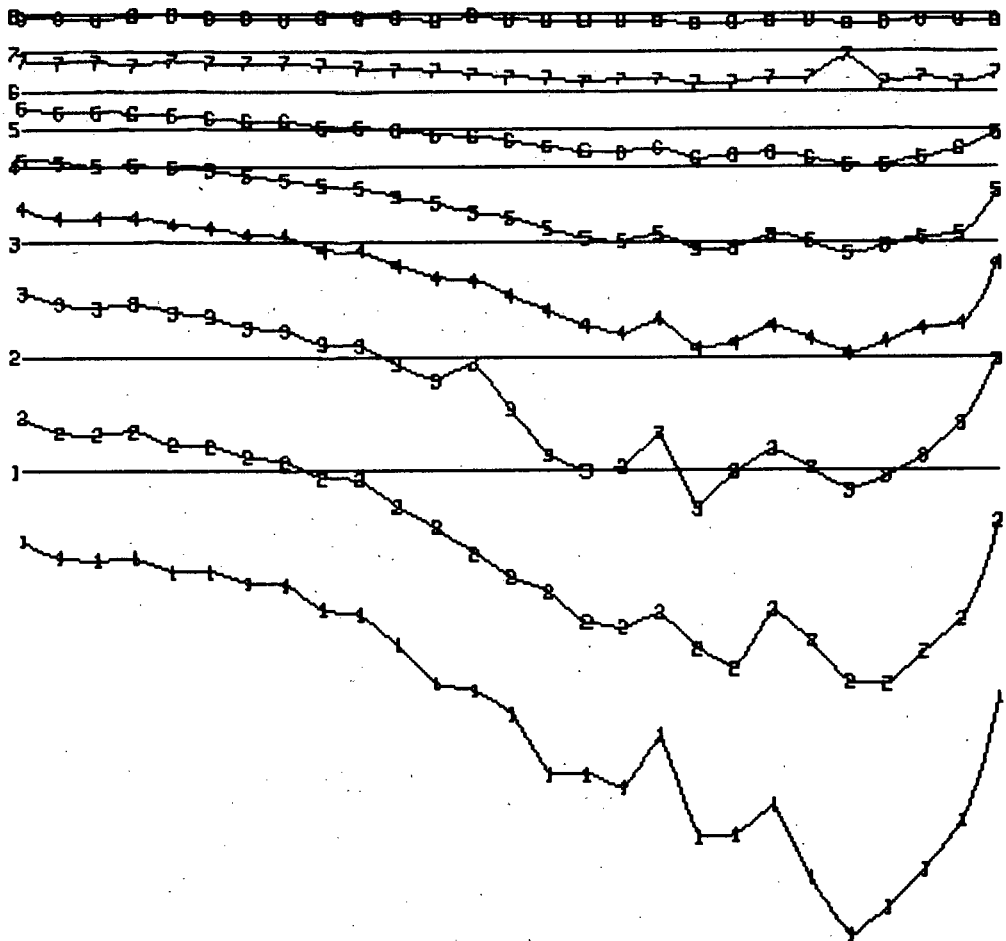
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N

LOOP II



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1000W LOOP II

DATE: JUN/86

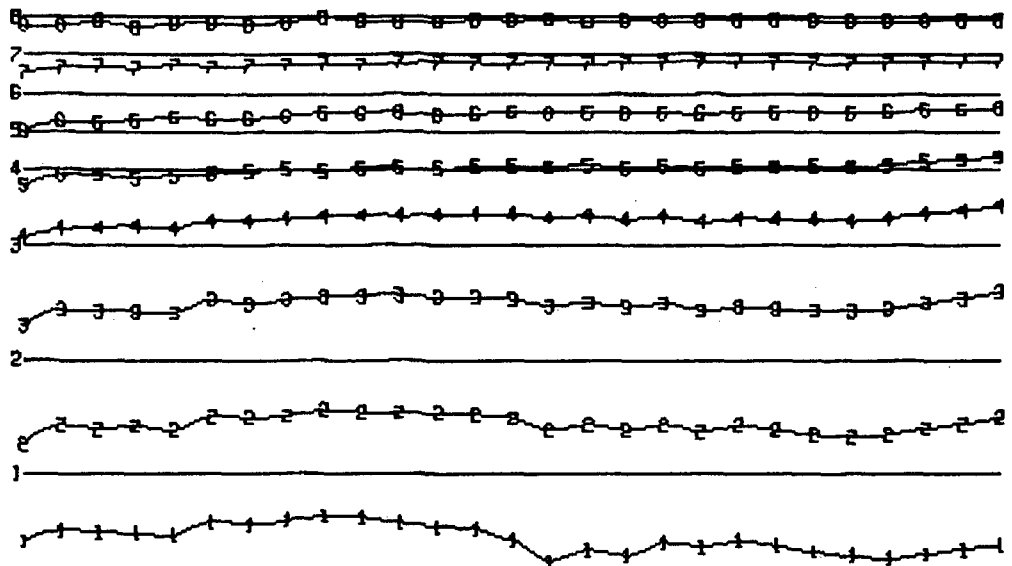
FIG.: 4

WHITE GEOPHYSICAL INC.



750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N

LOOP II



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1000W LOOP II

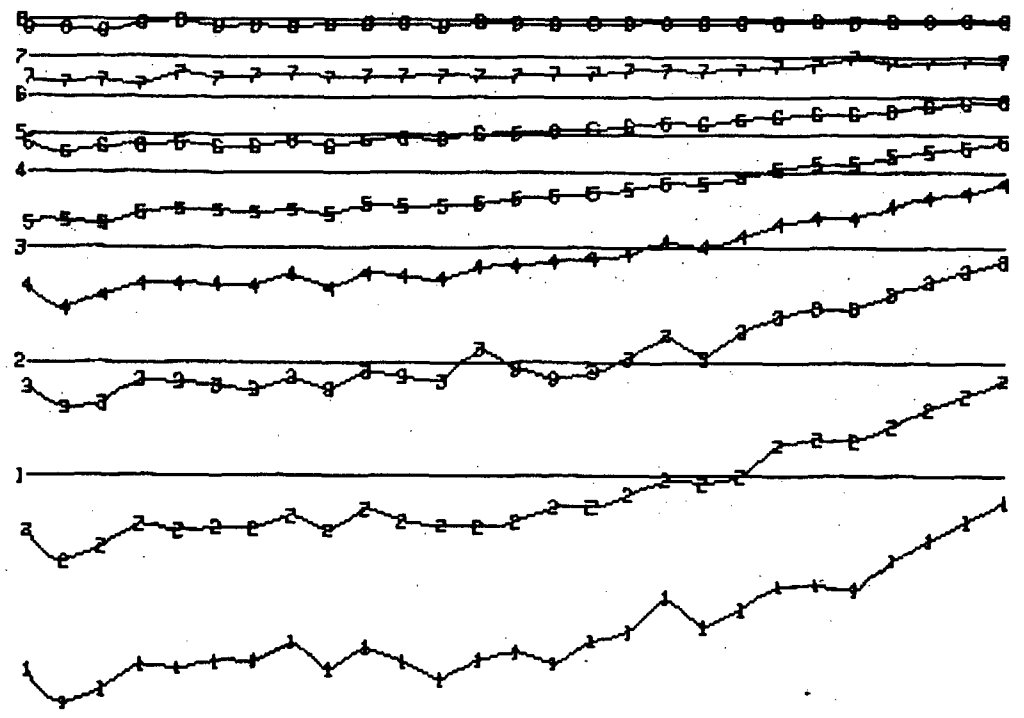
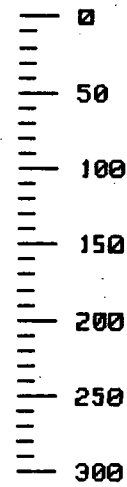
DATE: JUN/86      FIG.: 5

WHITE GEOPHYSICAL INC.



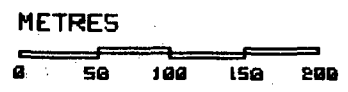
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LOOP II



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



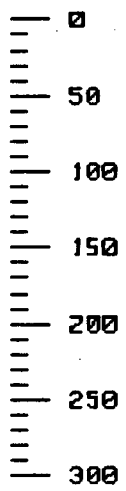
CANADIAN PANWEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1000W LOOP II

DATE: JUN/86      FIG.: 6

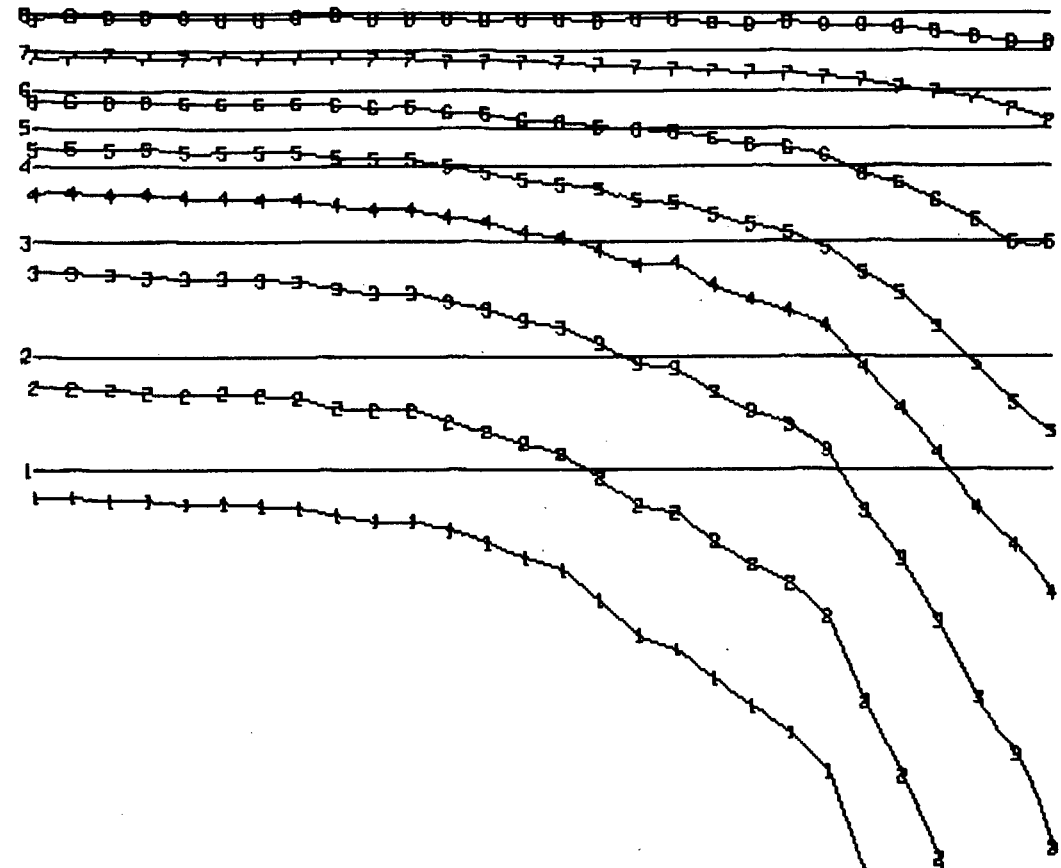
WHITE GEOPHYSICAL INC.

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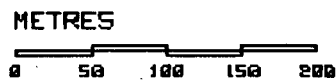
LOOP D



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 900N LOOP D

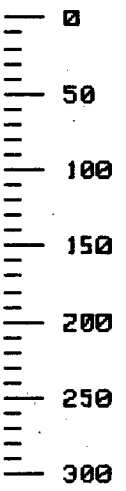
DATE JUN/86

FIG.: 7

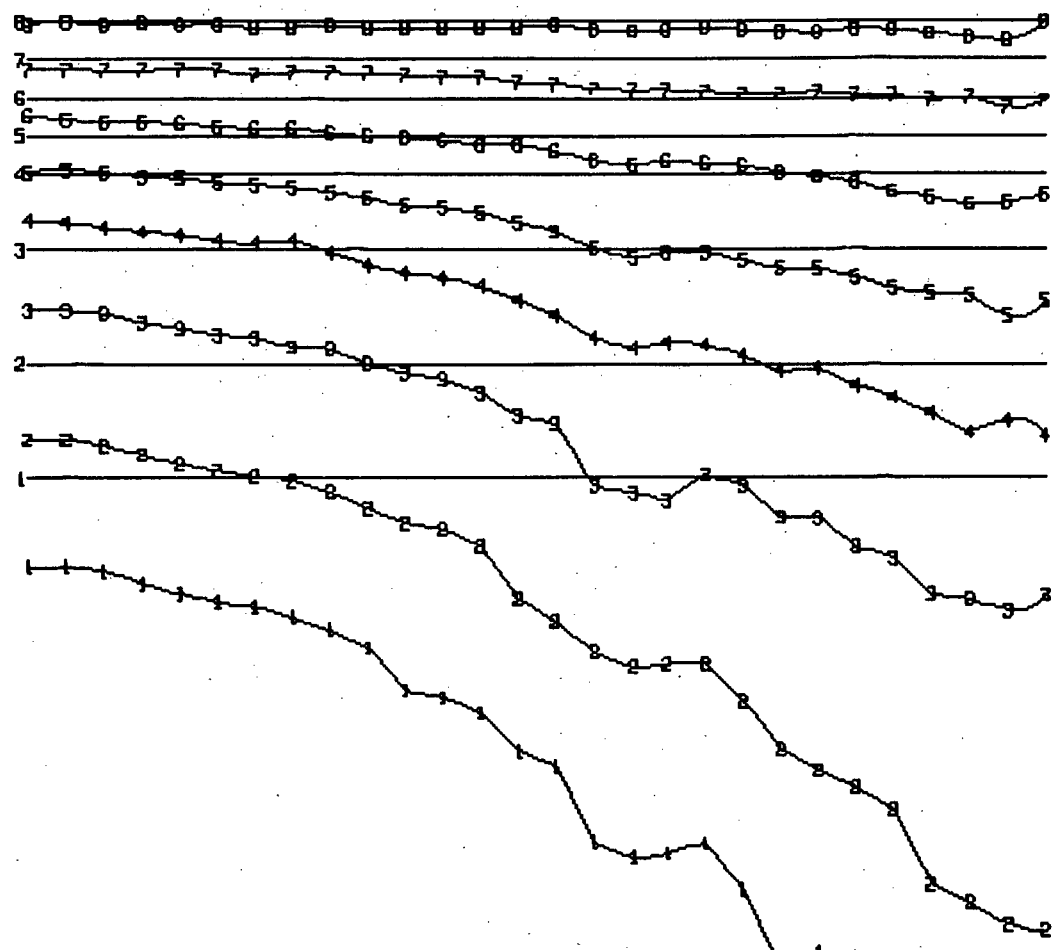
WHITE GEOPHYSICAL INC.

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LOOP D



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



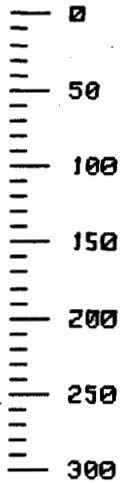
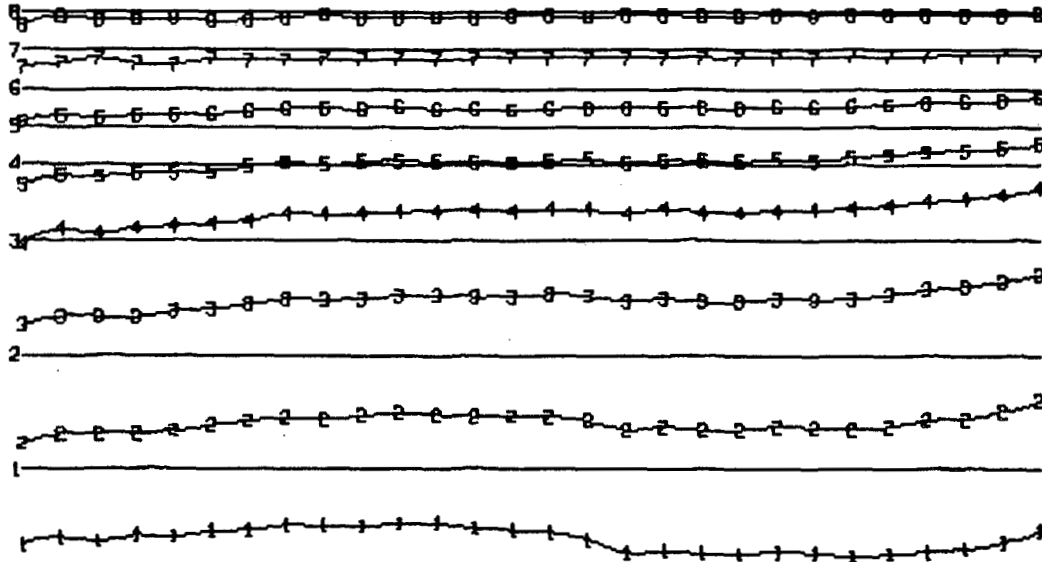
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 900W LOOP D

DATE: JUN/86      FIG.: 8

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N

LOOP D



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 900W LOOP D

DATE: JUN/86      FIG.: 9

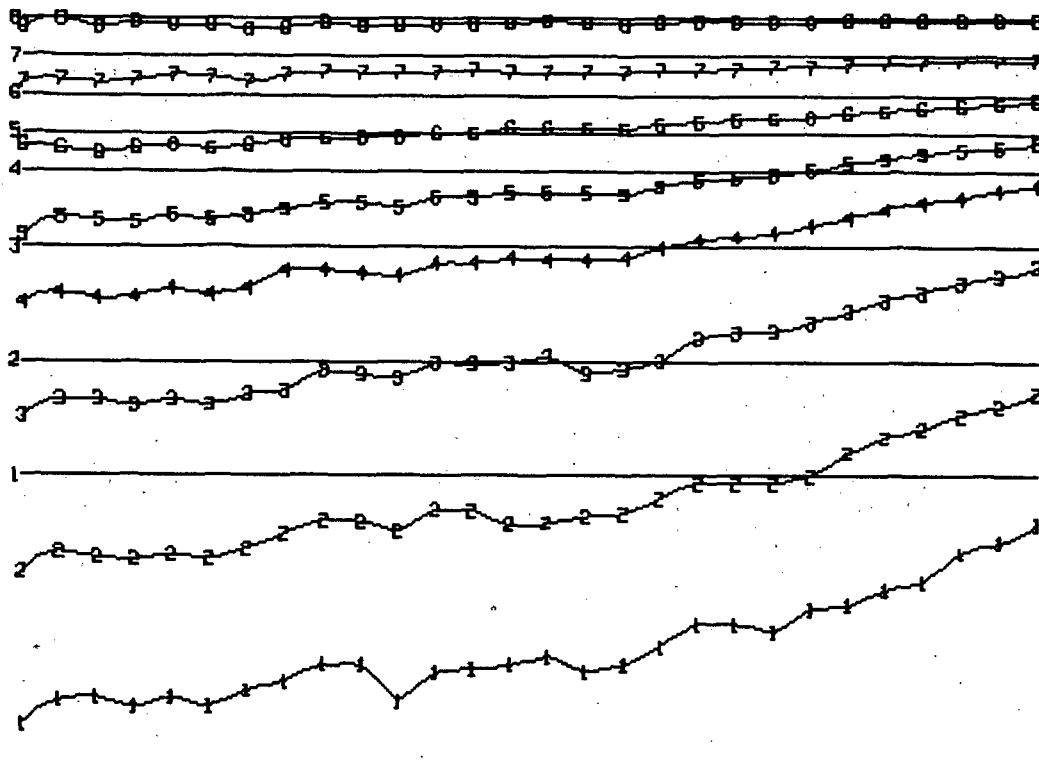
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N

LOOP D



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
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PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 900W LOOP D

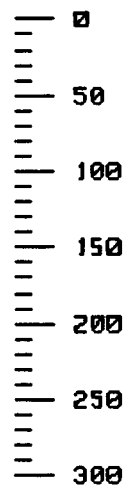
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FIG.: 10

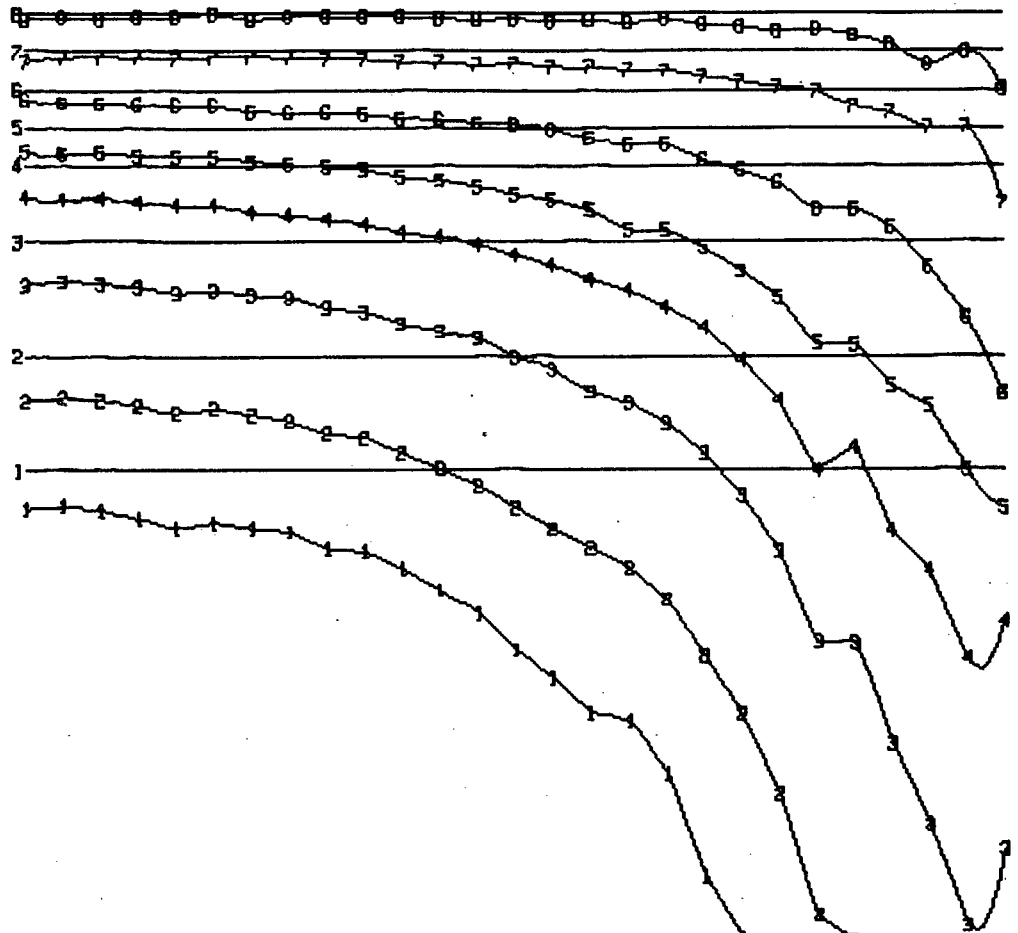
WHITE GEOPHYSICAL INC.

700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP D



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 800W LOOP D

DATE: JUN/86

FIG.: 11

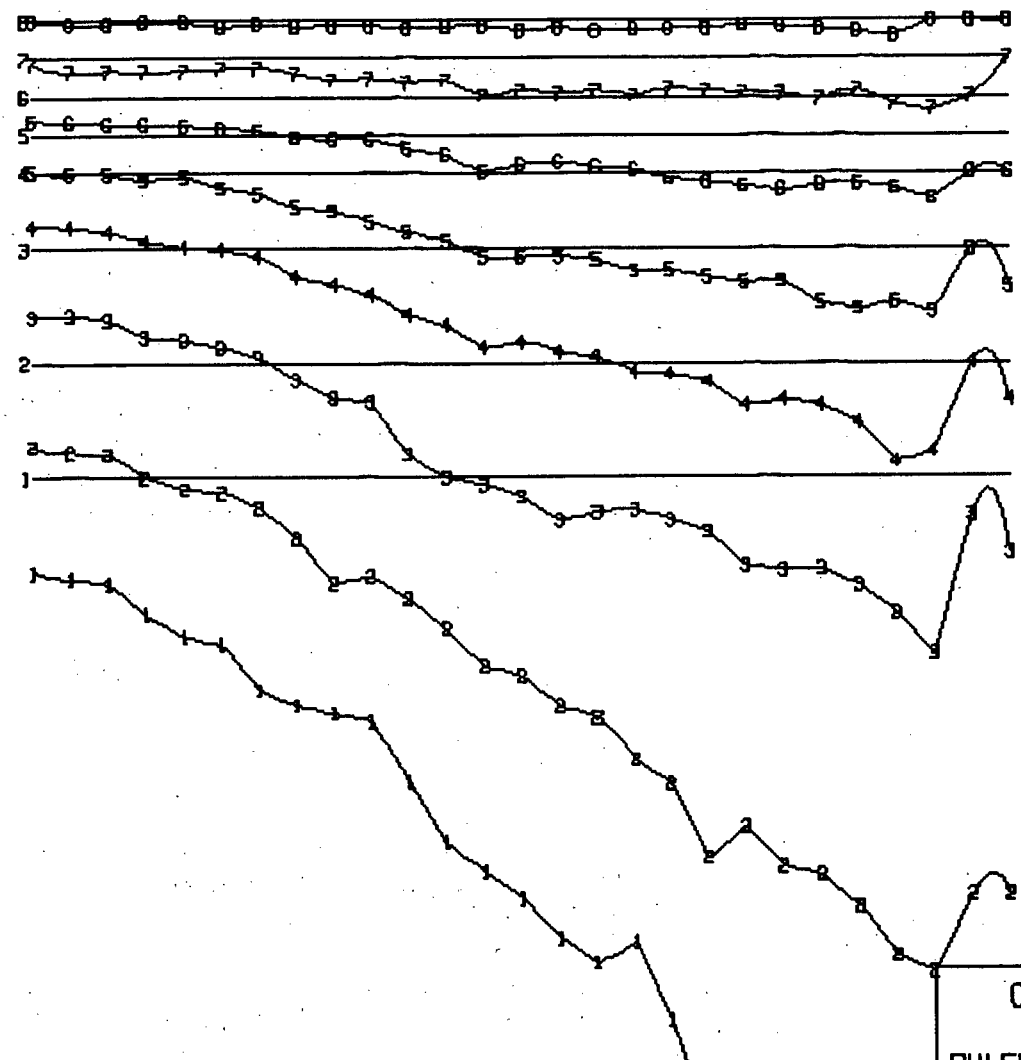
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700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP D

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 800W LOOP D

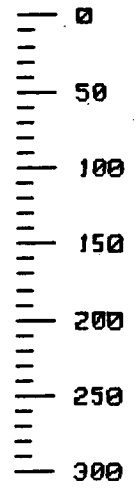
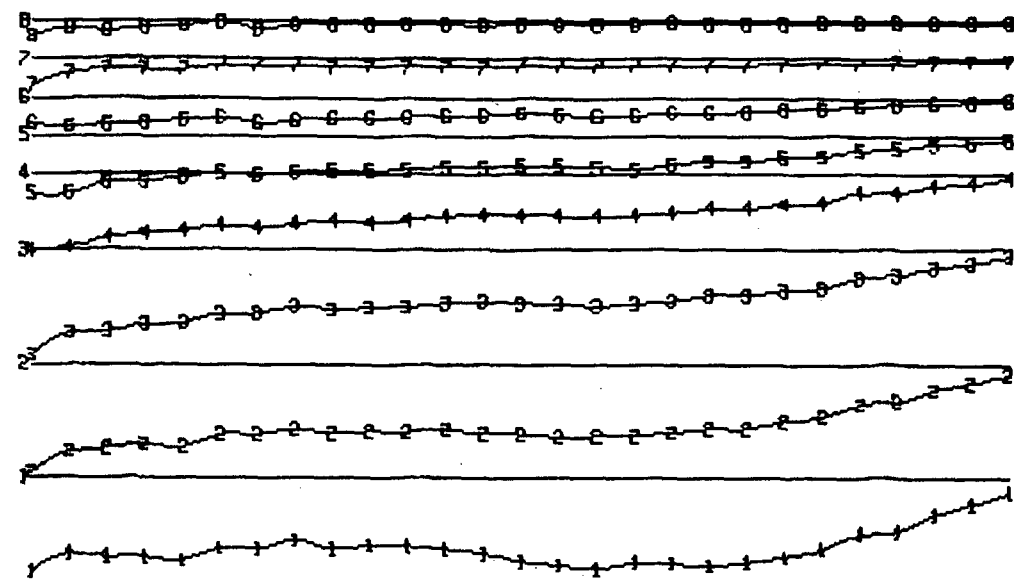
DATE: JUN/86 FIG.: 12

WHITE GEOPHYSICAL INC.



700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP D



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 000W LOOP D

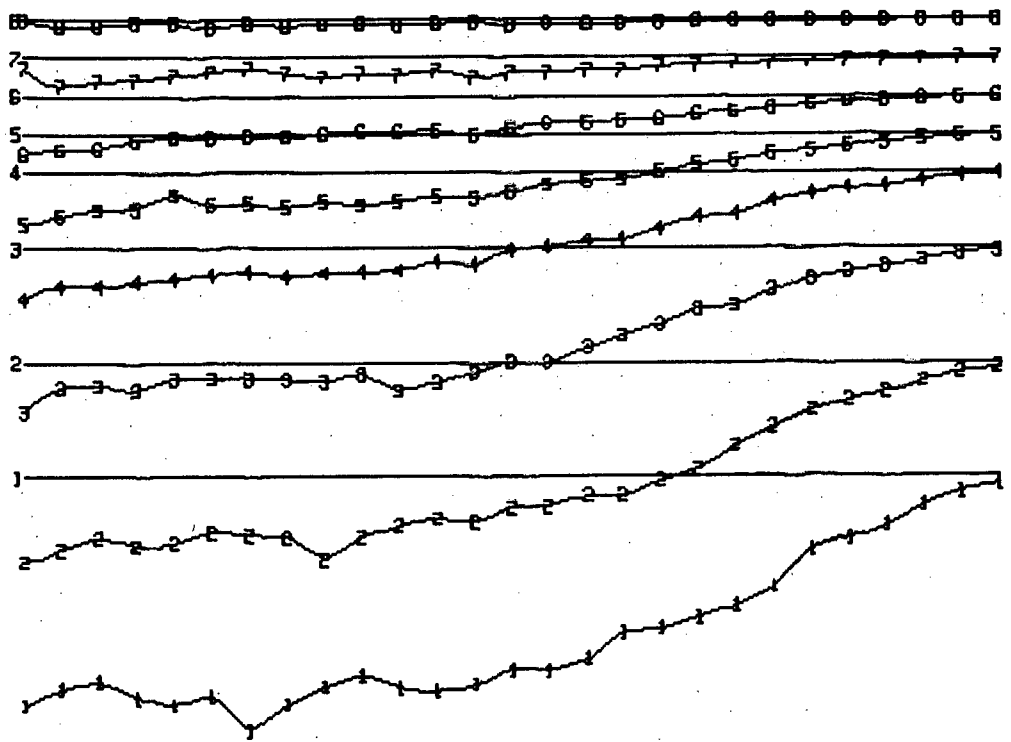
DATE: JUN/86      FIG.: 13

WHITE GEOPHYSICAL INC.

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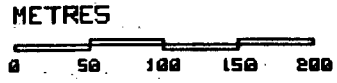
LOOP D

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PANNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 800W LOOP D

DATE: JUN/86

FIG.: 14

WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP II

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

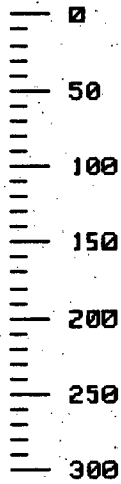
WHITE GEOPHYSICAL INC.

CANADIAN PAMNEE OIL CORP.	
LEXINGTON PROPERTY	
PULSE ELECTROMAGNETOMETER SURVEY	
VERTICAL COMPONENT	
LINE 700W LOOP D	
DATE:	JUN/86
FIG.:	15

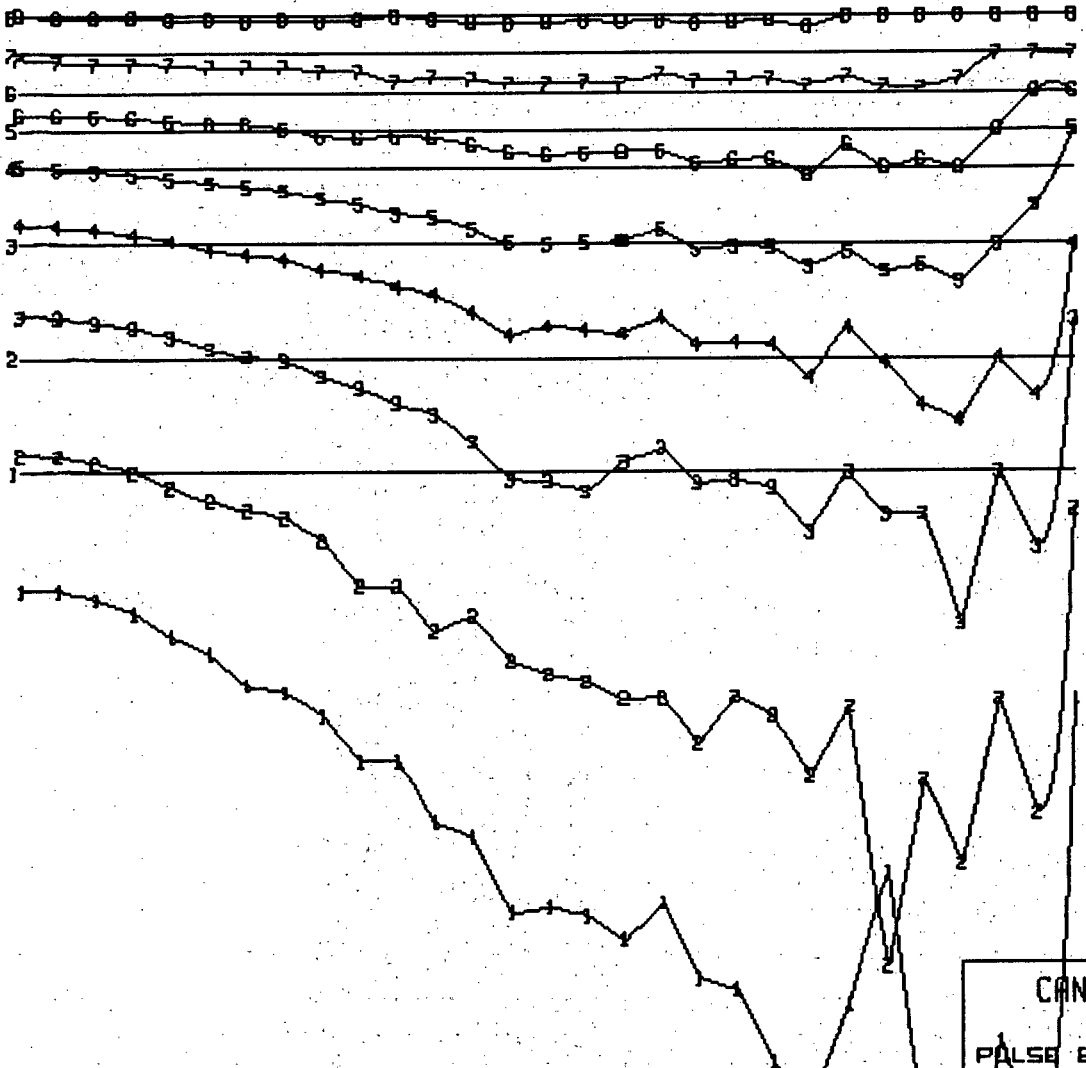


750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

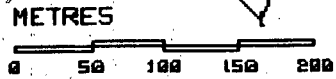
LOOP II



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 700W LOOP D

DATE: JUN/86      FIG.: 16

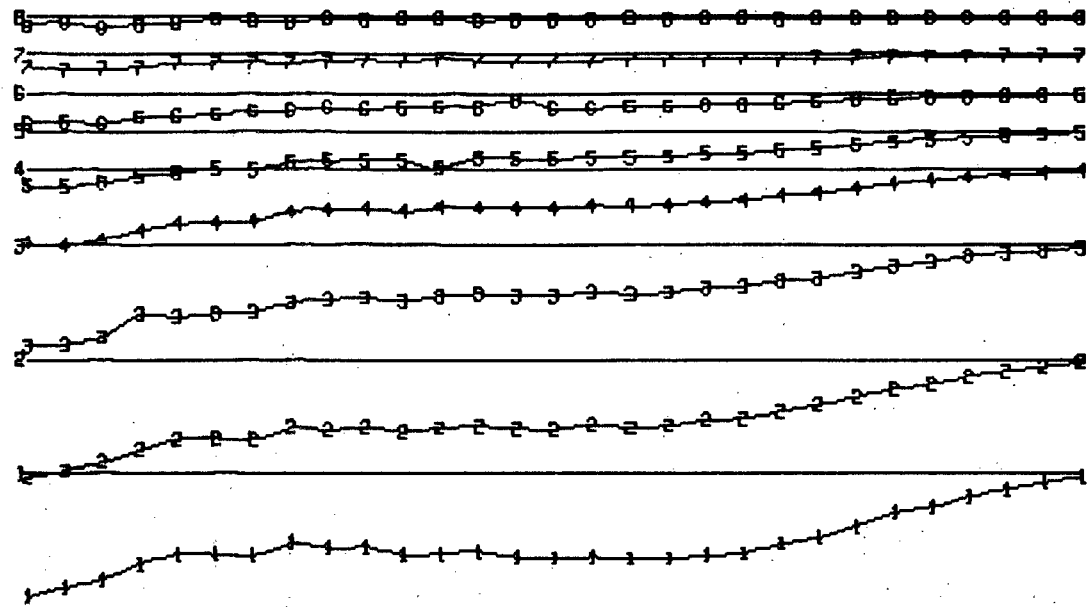
WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP D

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 700W LOOP D

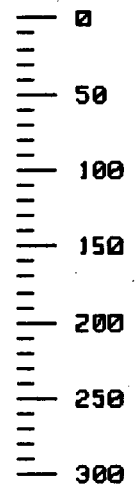
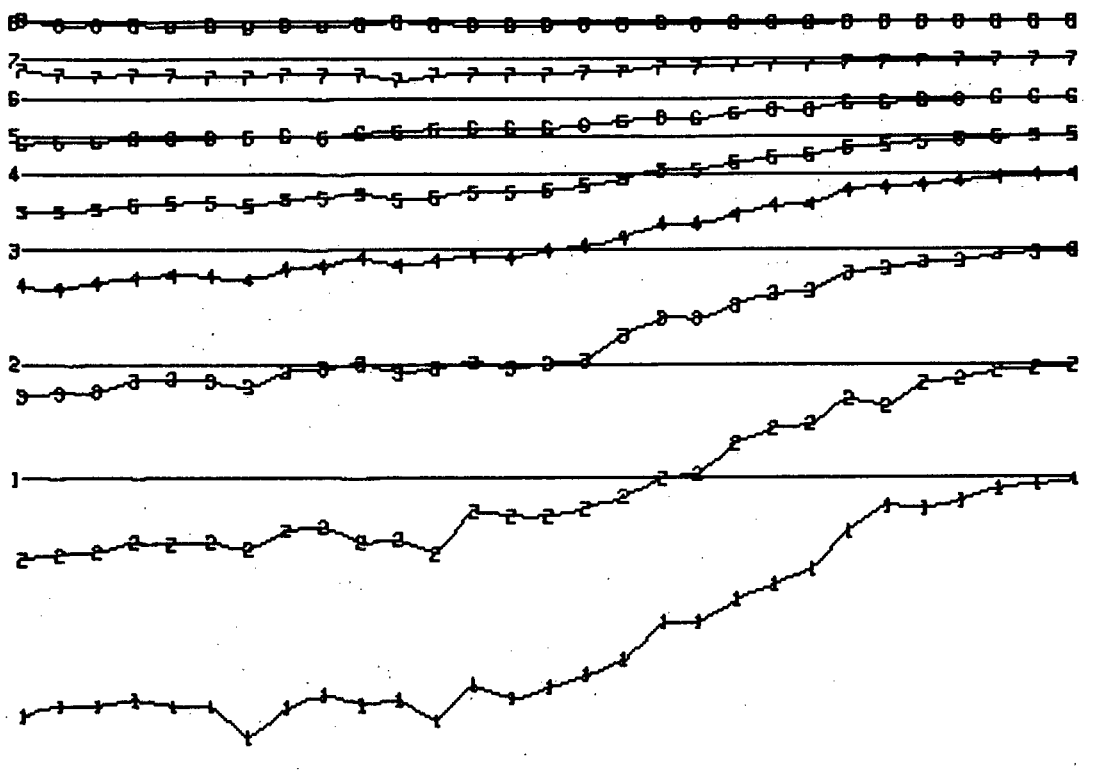
DATE: JUN/86

FIG.: 17

WHITE GEOPHYSICAL INC.

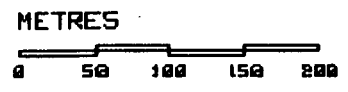
750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP D



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



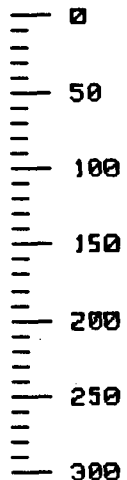
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 700W LOOP D

DATE: JUN/86      FIG.: 18

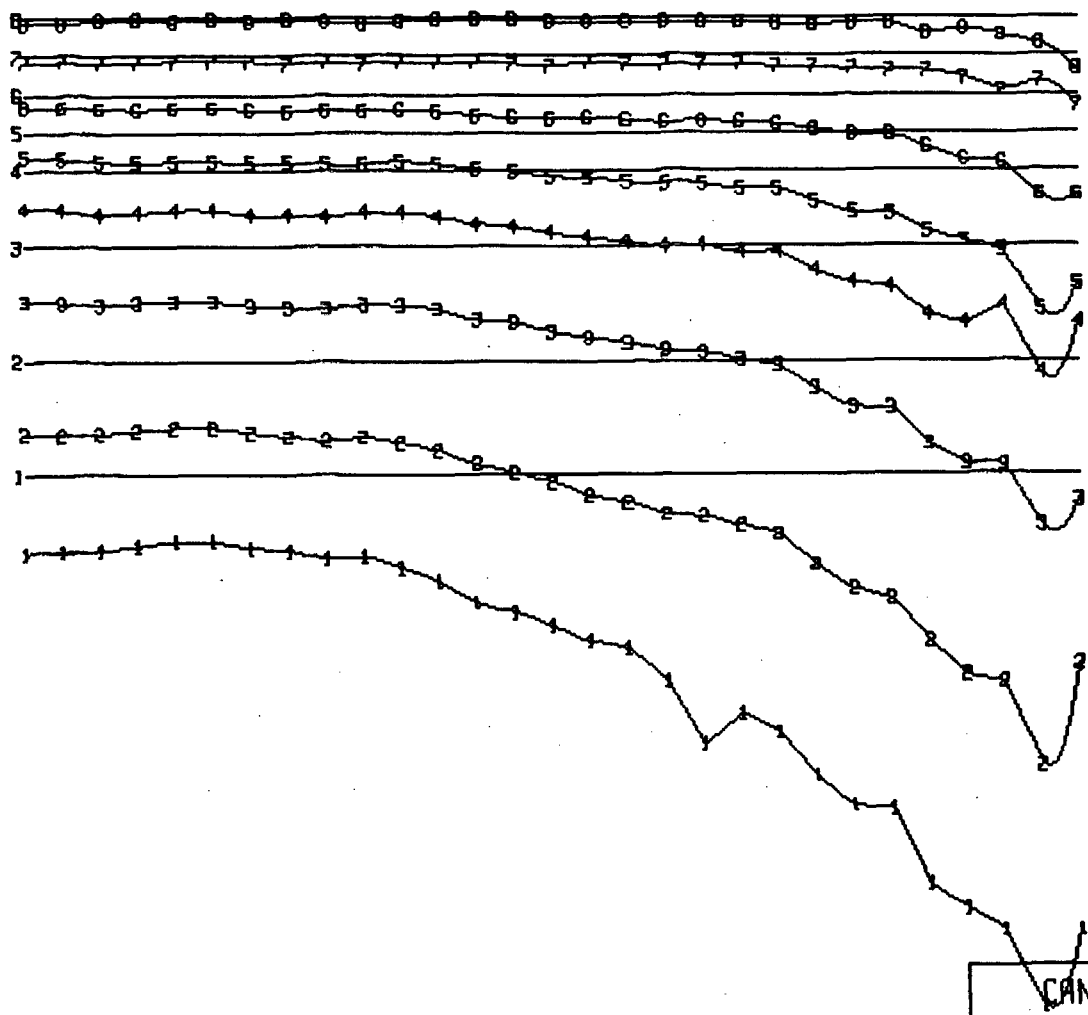
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP II



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



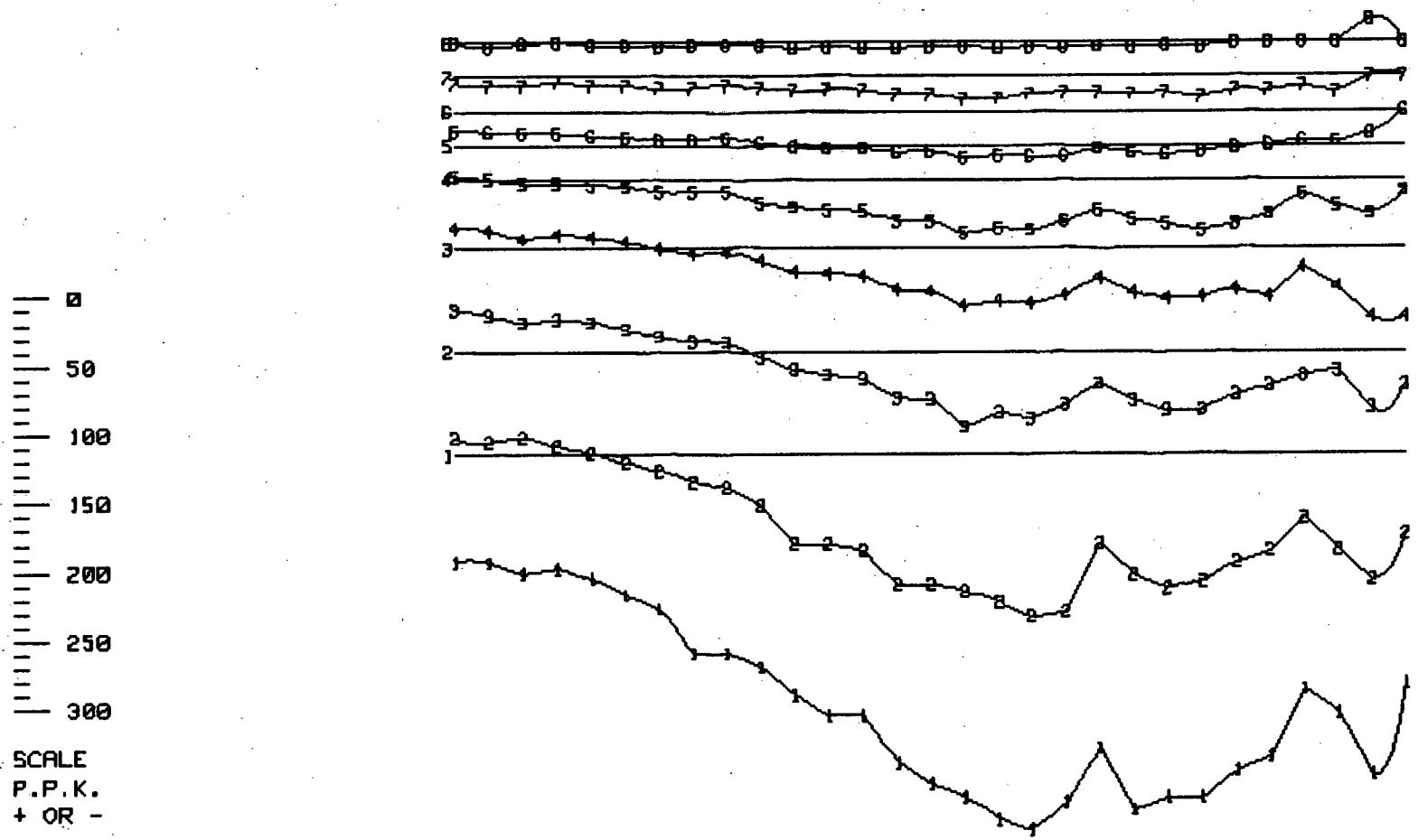
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 600W LOOP D

DATE: JUN/86      FIG.: 19

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP I



CONSTANT GAIN DATA, G=(100%)  
 NUMBER IN LINE: CHANNEL NUMBER.  
 INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
 LEXINGTON PROPERTY  
 PULSE ELECTROMAGNETOMETER SURVEY  
 HORIZONTAL COMPONENT  
 LINE 600W LOOP I

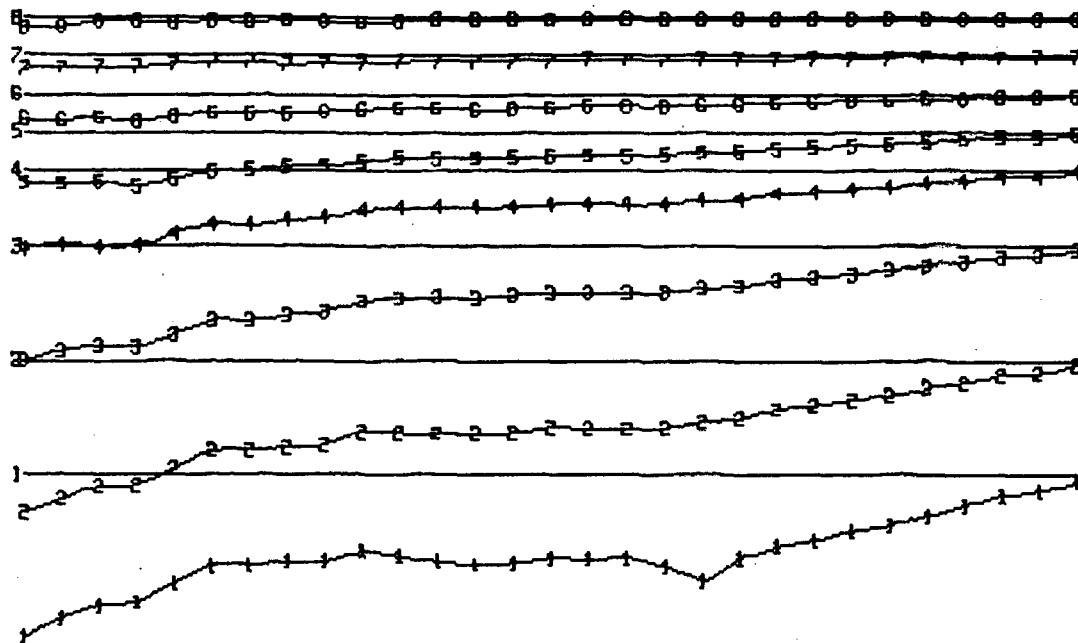
DATE: JUN/86      FIG.: 20

WHITE GEOPHYSICAL INC.



750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP II



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAMNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 600W LOOP 0

DATE: JUN/86

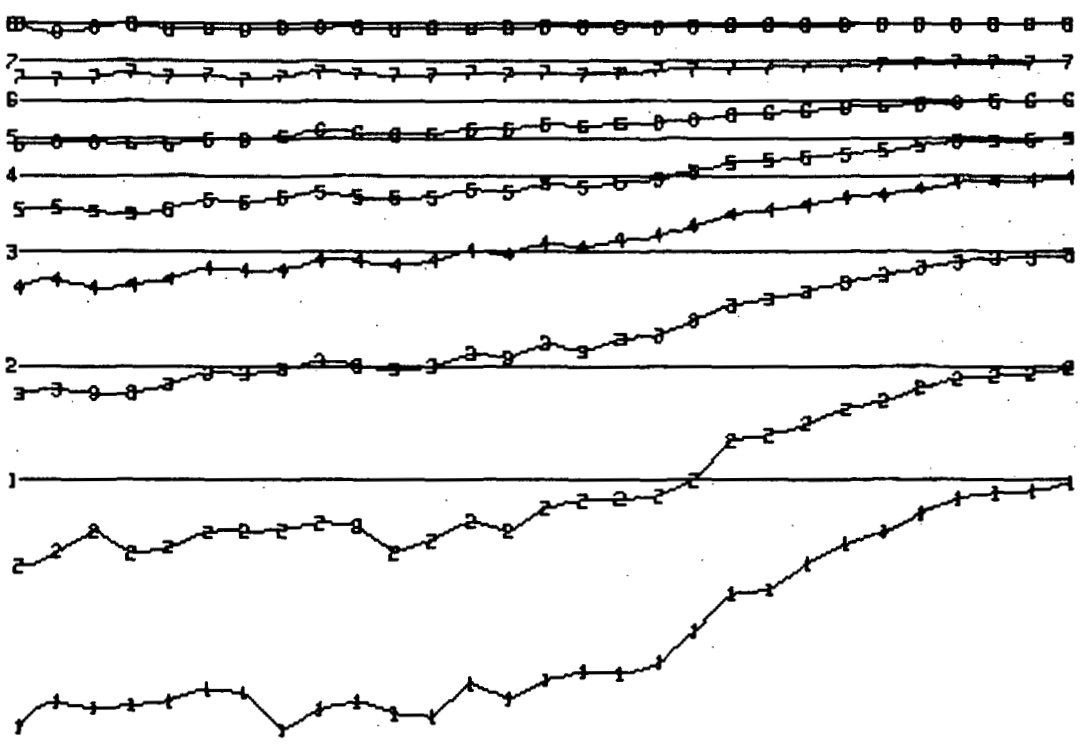
FIG.: 21

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

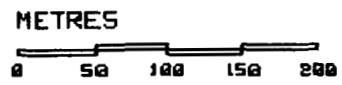
LOOP D

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 600W LOOP D

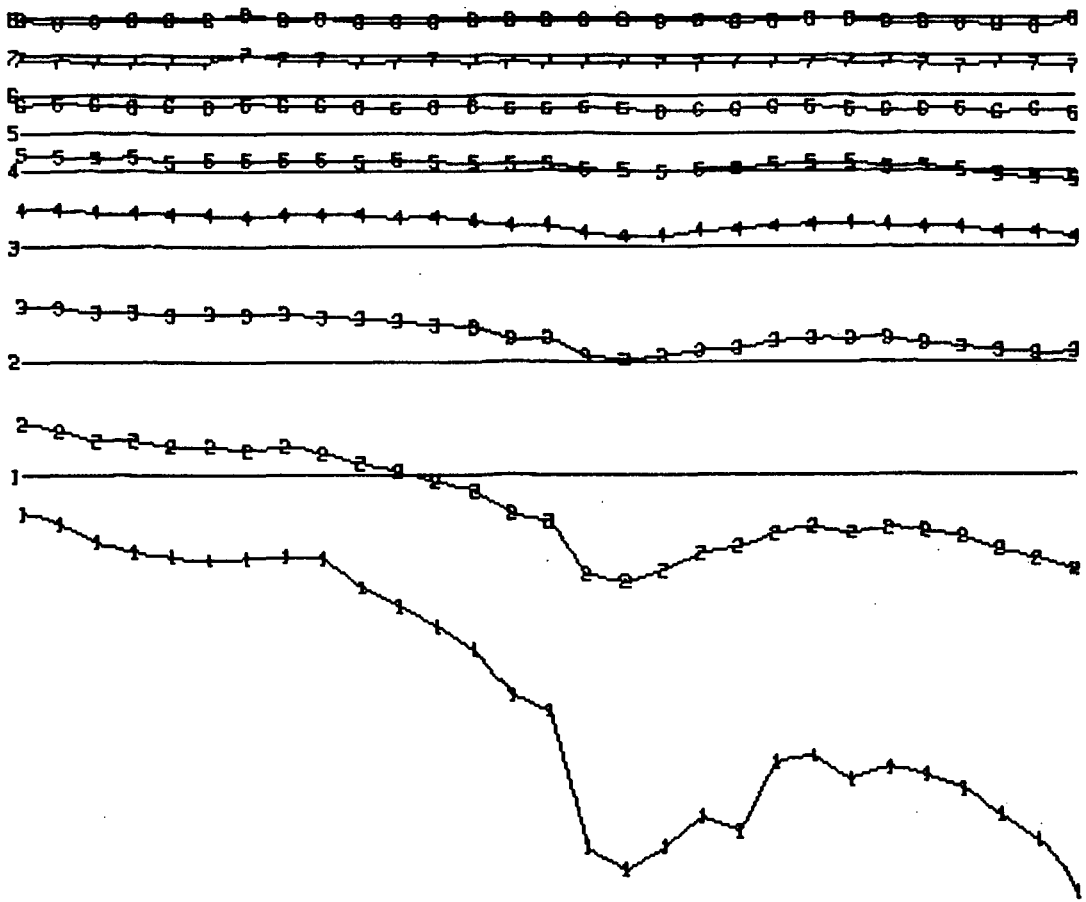
DATE: JUN/86

FIG.: 22

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

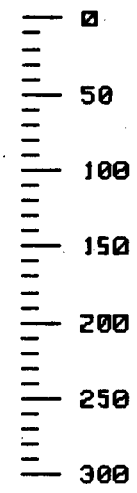


CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 500W LOOP C

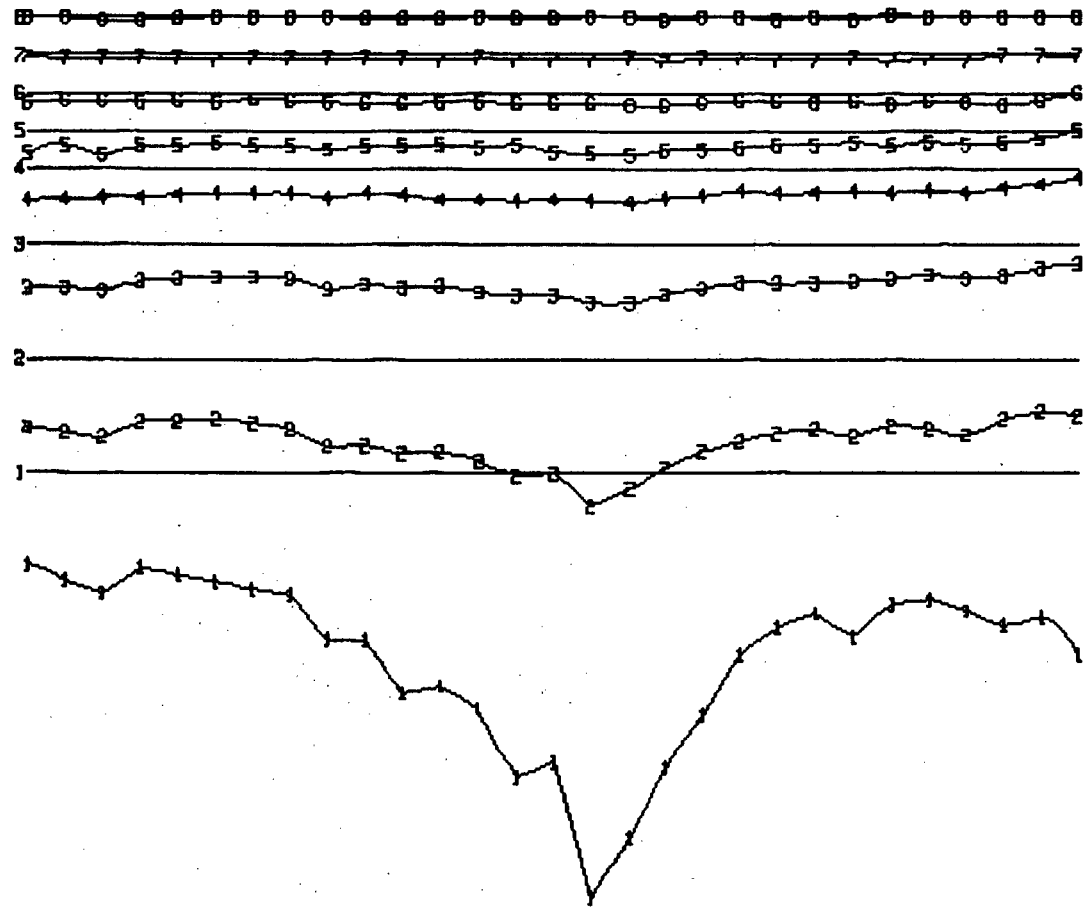
DATE: JUN/86      FIG.: 23

WHITE GEOPHYSICAL INC.

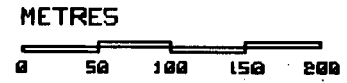
750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N  
 LOOP C



SCALE  
 P.P.K.  
 + OR -



CONSTANT GAIN DATA, G-(100%)  
 NUMBER IN LINE: CHANNEL NUMBER  
 INSTRUMENT: CRONE P.E.M.



CANADIAN PAMNEE OIL CORP.  
 LEXINGTON PROPERTY  
 PULSE ELECTROMAGNETOMETER SURVEY  
 HORIZONTAL COMPONENT  
 LINE 500W LOOP C

DATE: JUN/86      FIG.: 24

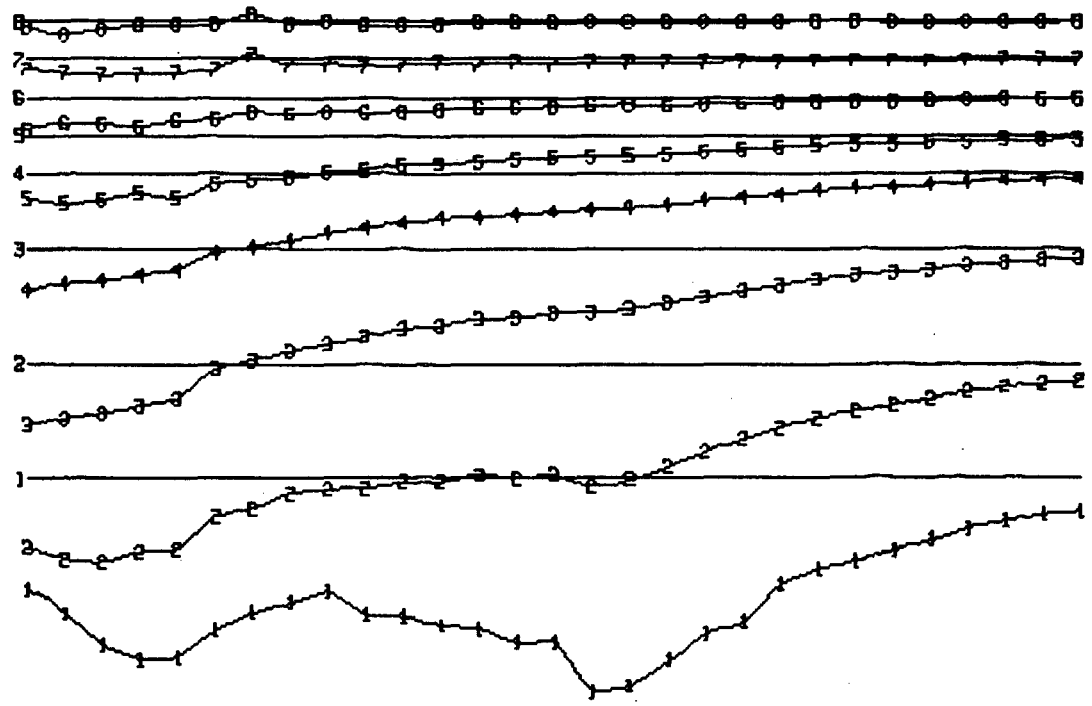
WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

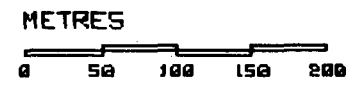
LOOP C

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



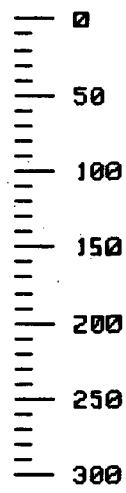
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 500W LOOP C

DATE: JUN/86      FIG.: 25

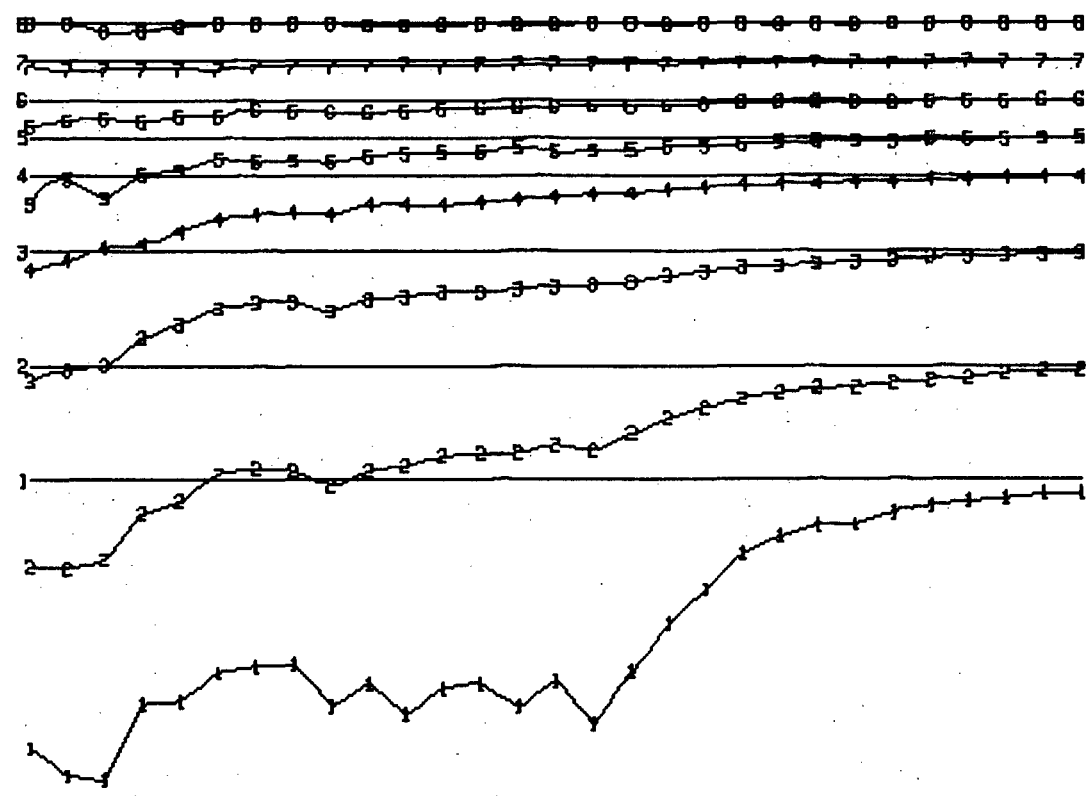
WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP C



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 500W LOOP C

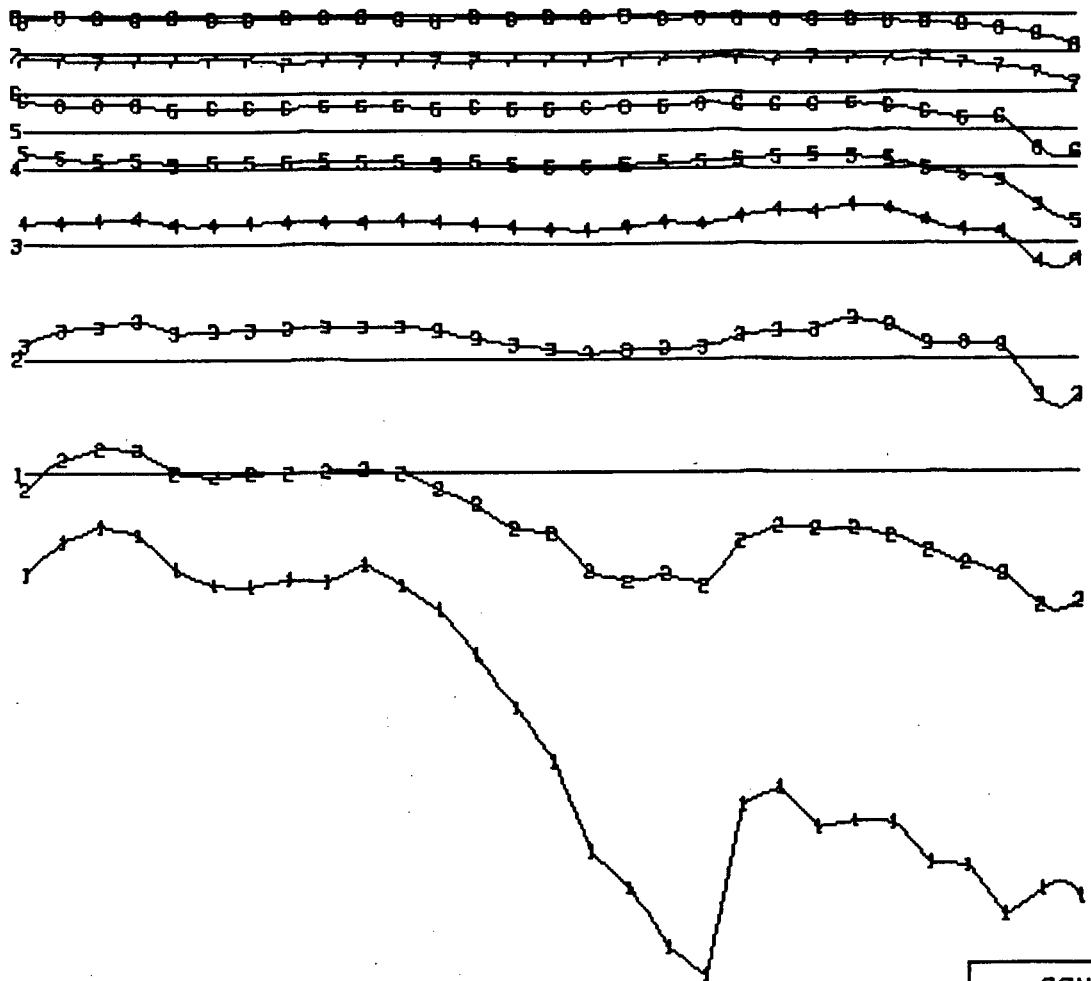
DATE: JUN/86

FIG.: 26

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

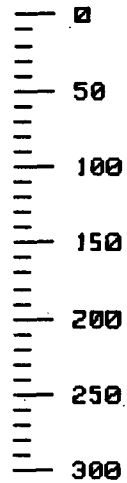
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 400W LOOP C

DATE: JUN/86      FIG.: 27

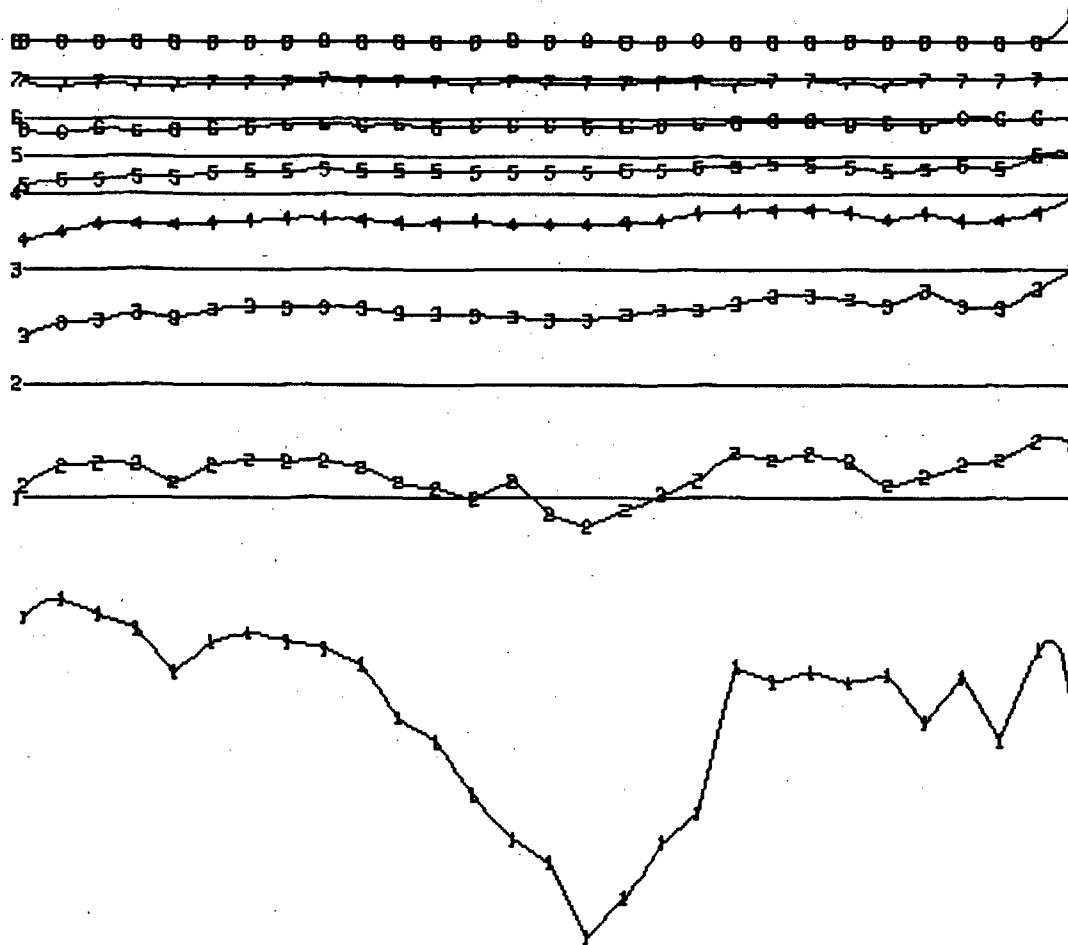
WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP C



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 400W LOOP C

DATE: JUN/86

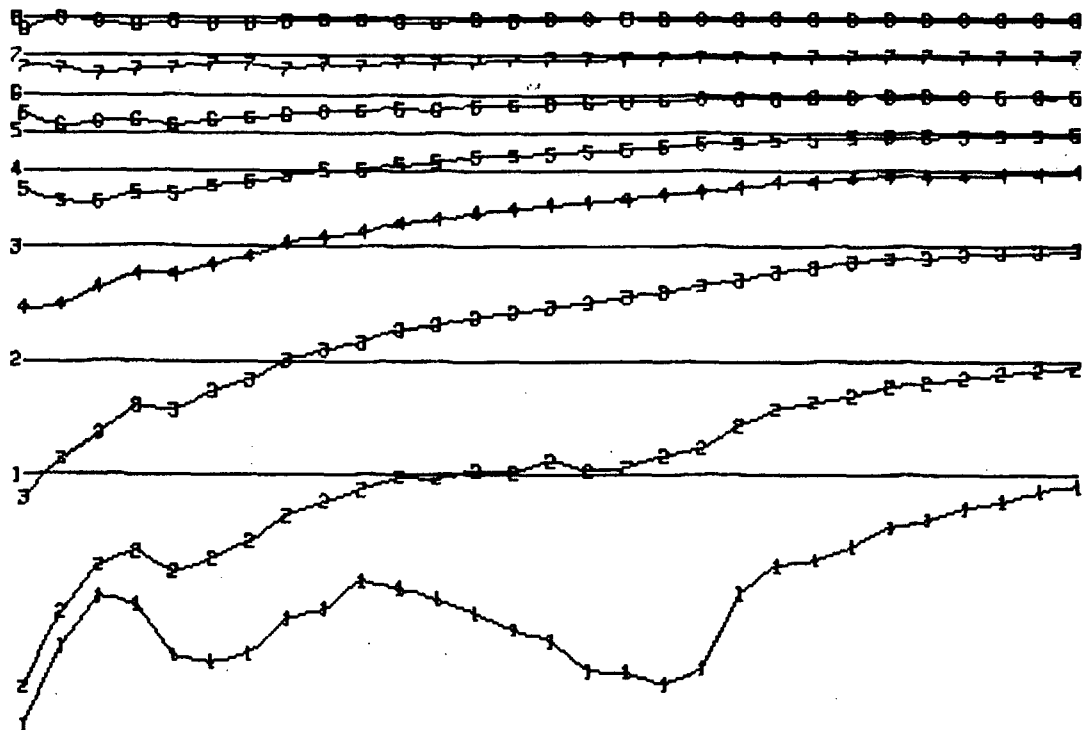
FIG.: 28

WHITE GEOPHYSICAL INC.



750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

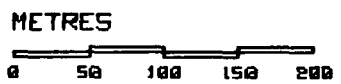
LOOP C



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



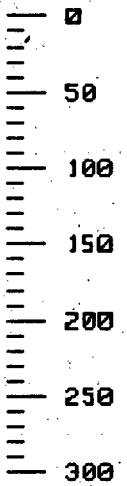
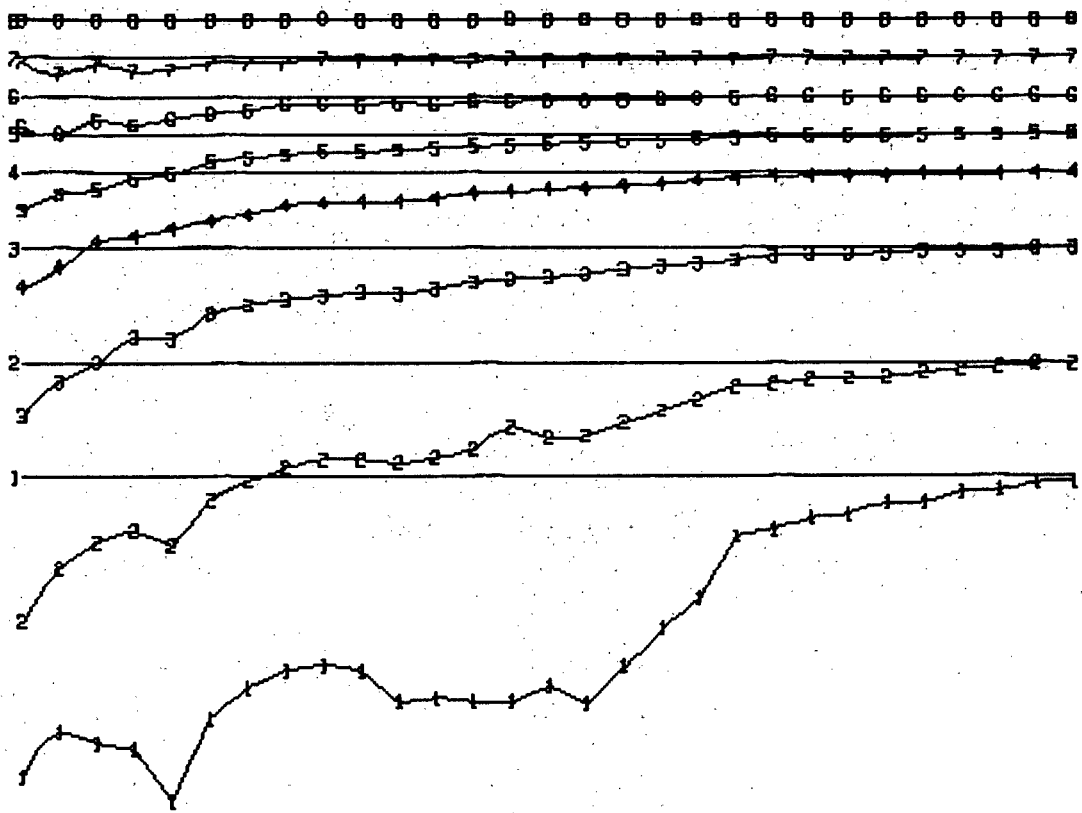
CANADIAN PANNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
VERTICAL COMPONENT  
LINE 400W LOOP C

DATE: JUN/86 FIG.: 29

WHITE GEOPHYSICAL INC.

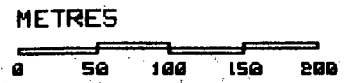
750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 400W LOOP C

DATE: JUN/86      FIG.: 30

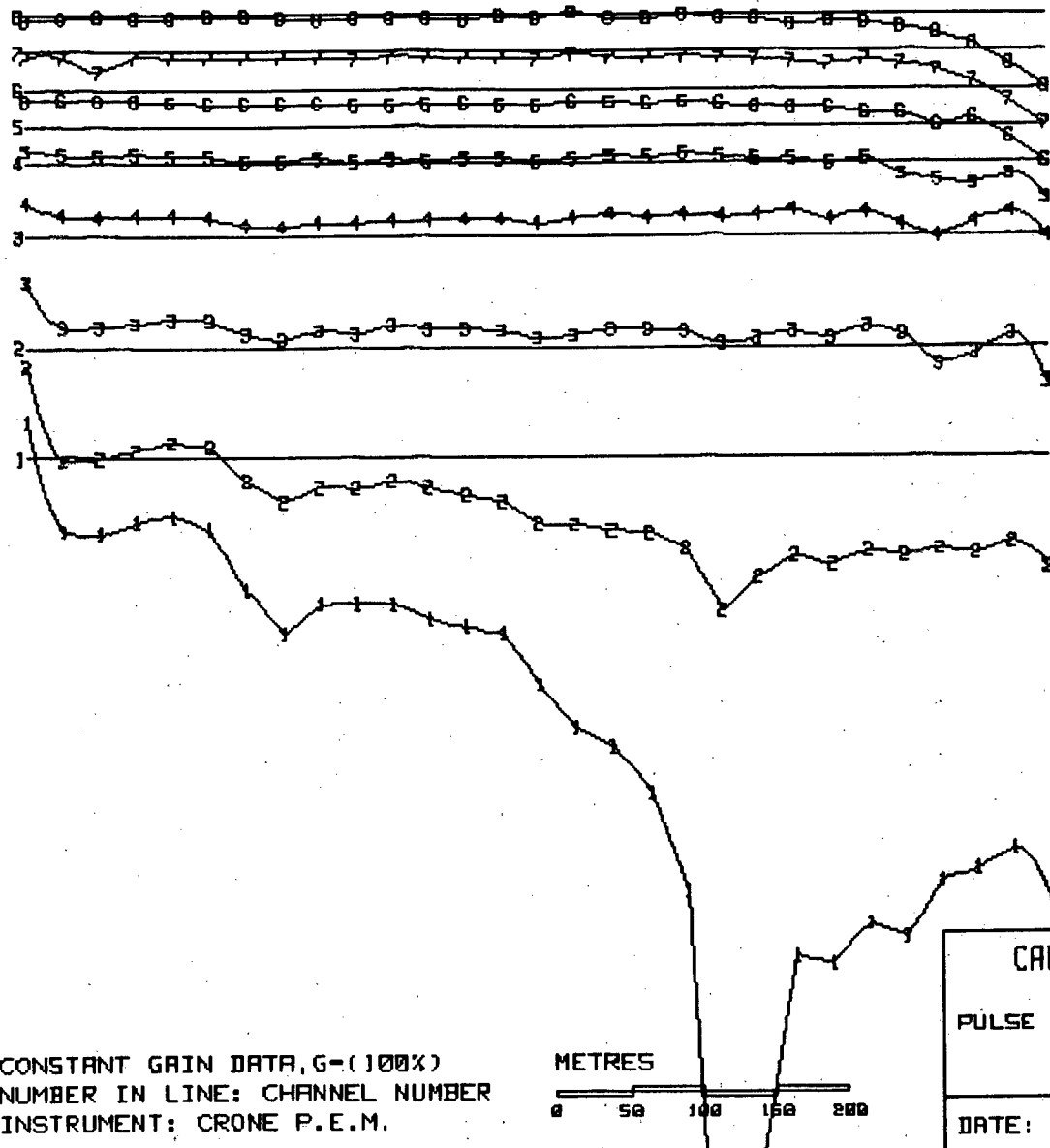
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

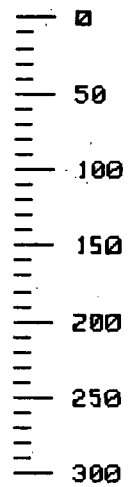
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 300W LOOP C

DATE: JUN/86 FIG.: 31

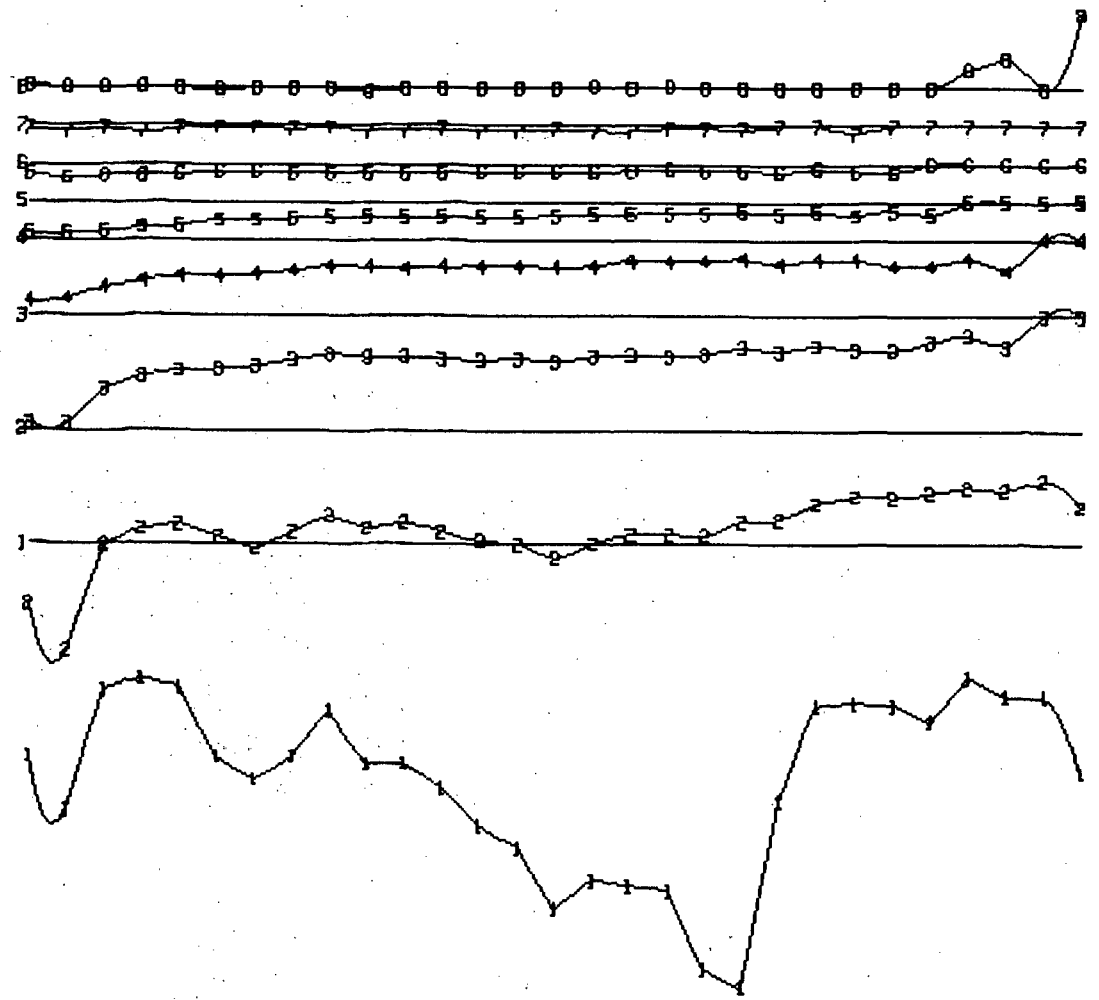
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

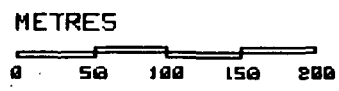
LOOP C



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 300W LOOP C

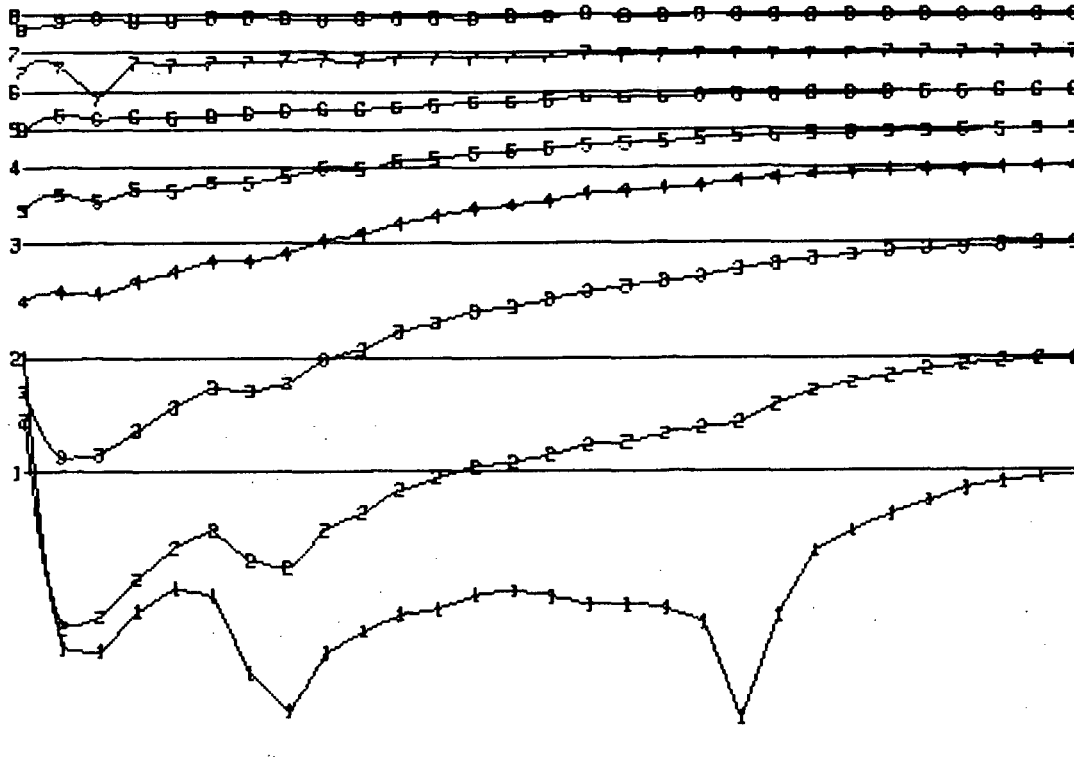
DATE: JUN/86

FIG.: 32

WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP C



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

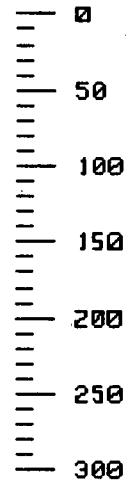
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 300W LOOP C

DATE: JUN/86 FIG.: 33

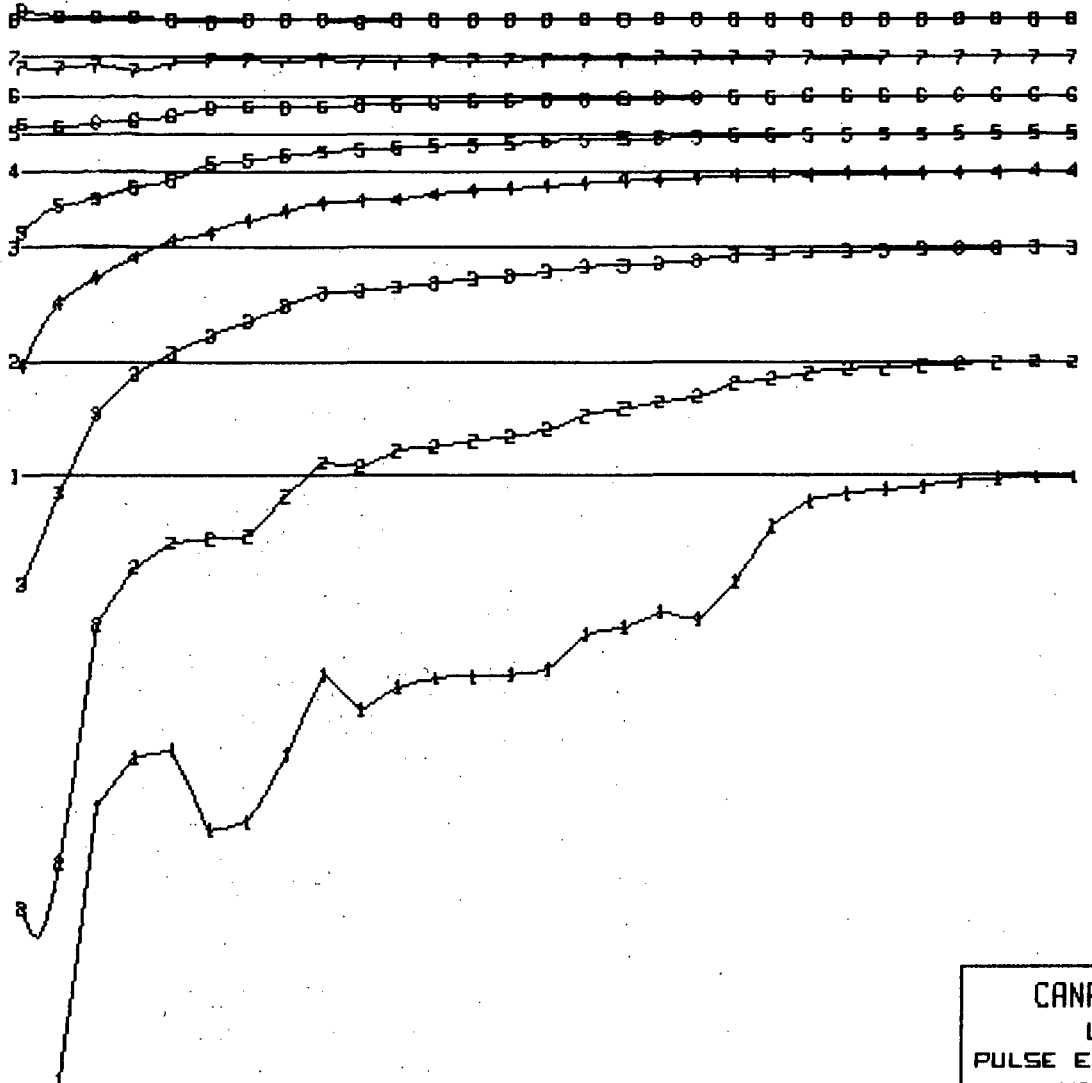
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 300W LOOP C

DATE: JUN/86

FIG.: 34

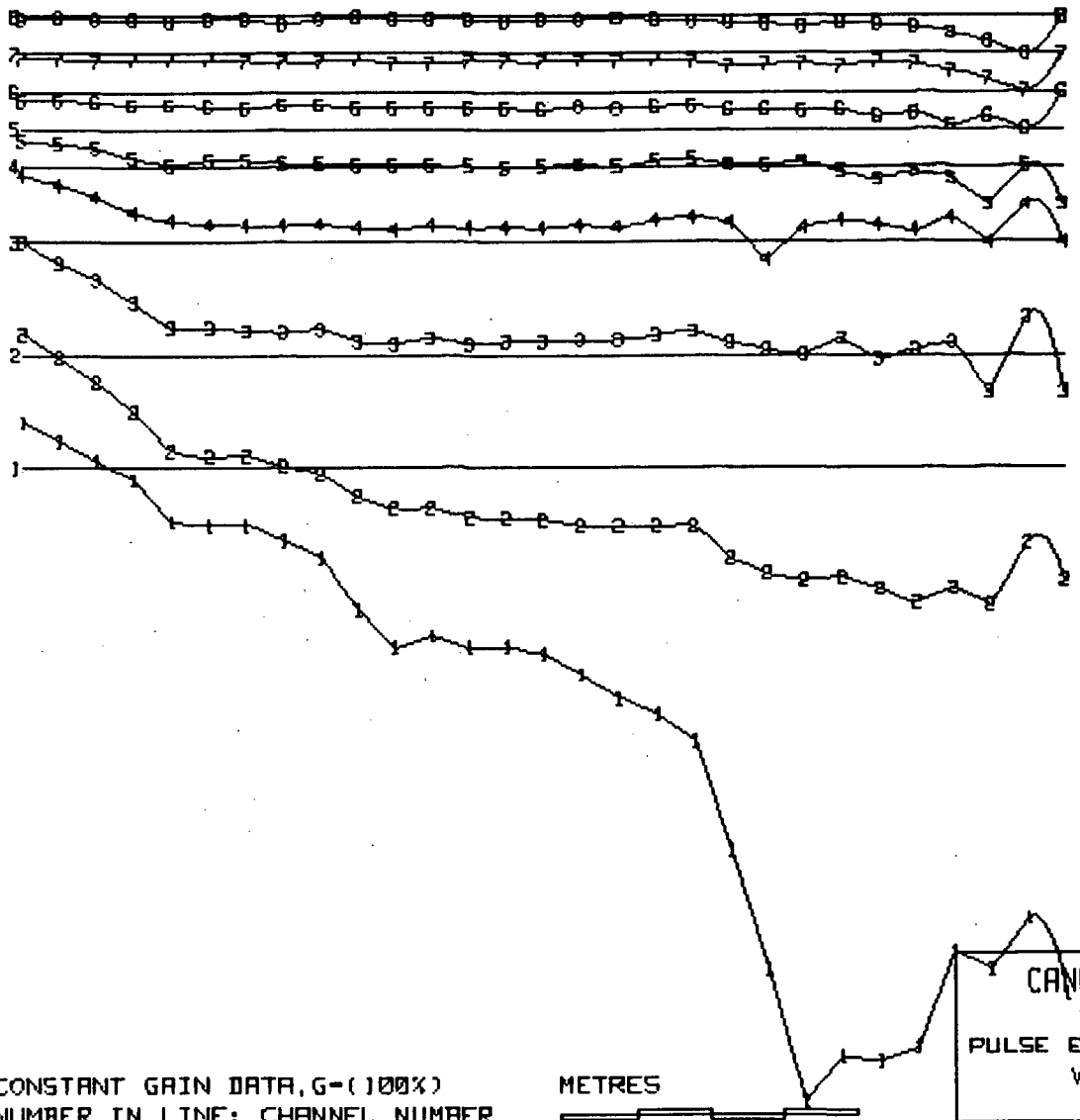
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

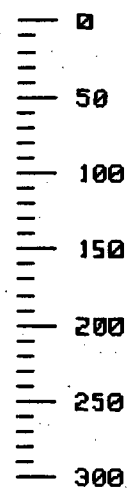
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 200W LOOP C

DATE: JUN/86 FIG.: 35

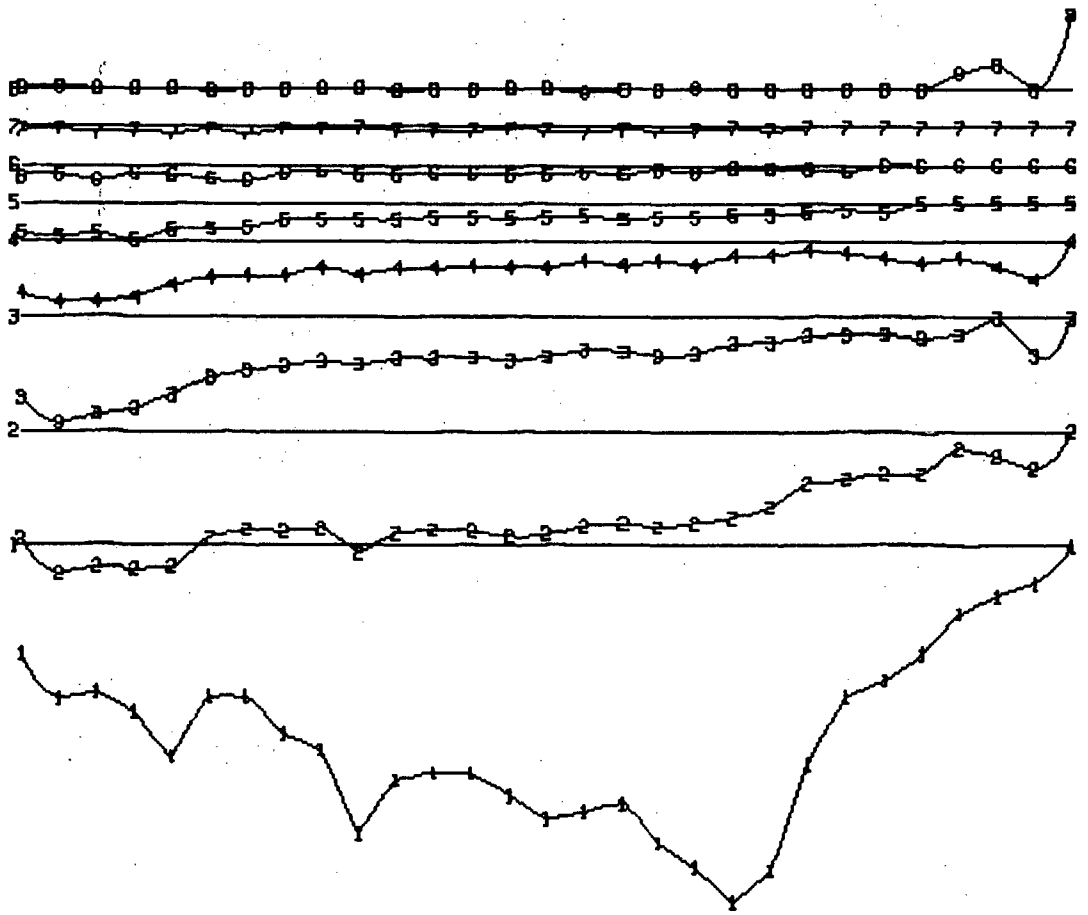
WHITE GEOPHYSICAL INC.

750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP C



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAMNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 200W LOOP C

DATE: JUN/86      FIG.: 36

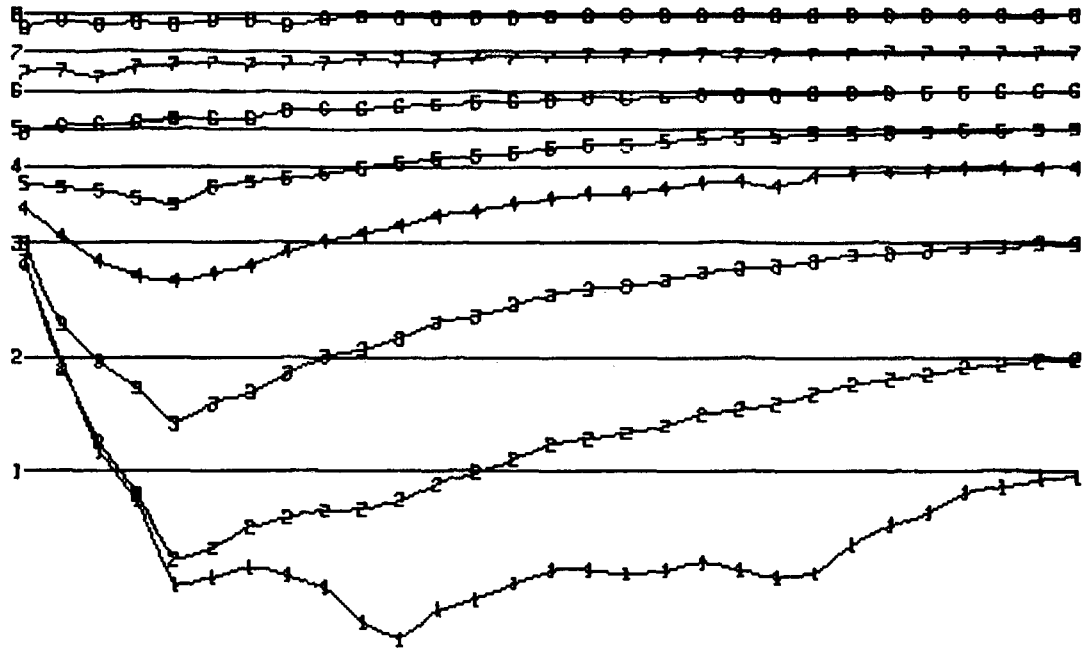
WHITE GEOPHYSICAL INC.



750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

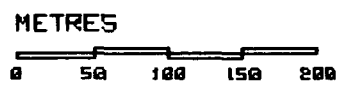
LOOP C

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



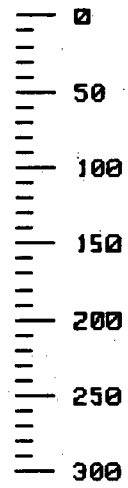
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 200W LOOP C

DATE: JUN/86      FIG.: 37

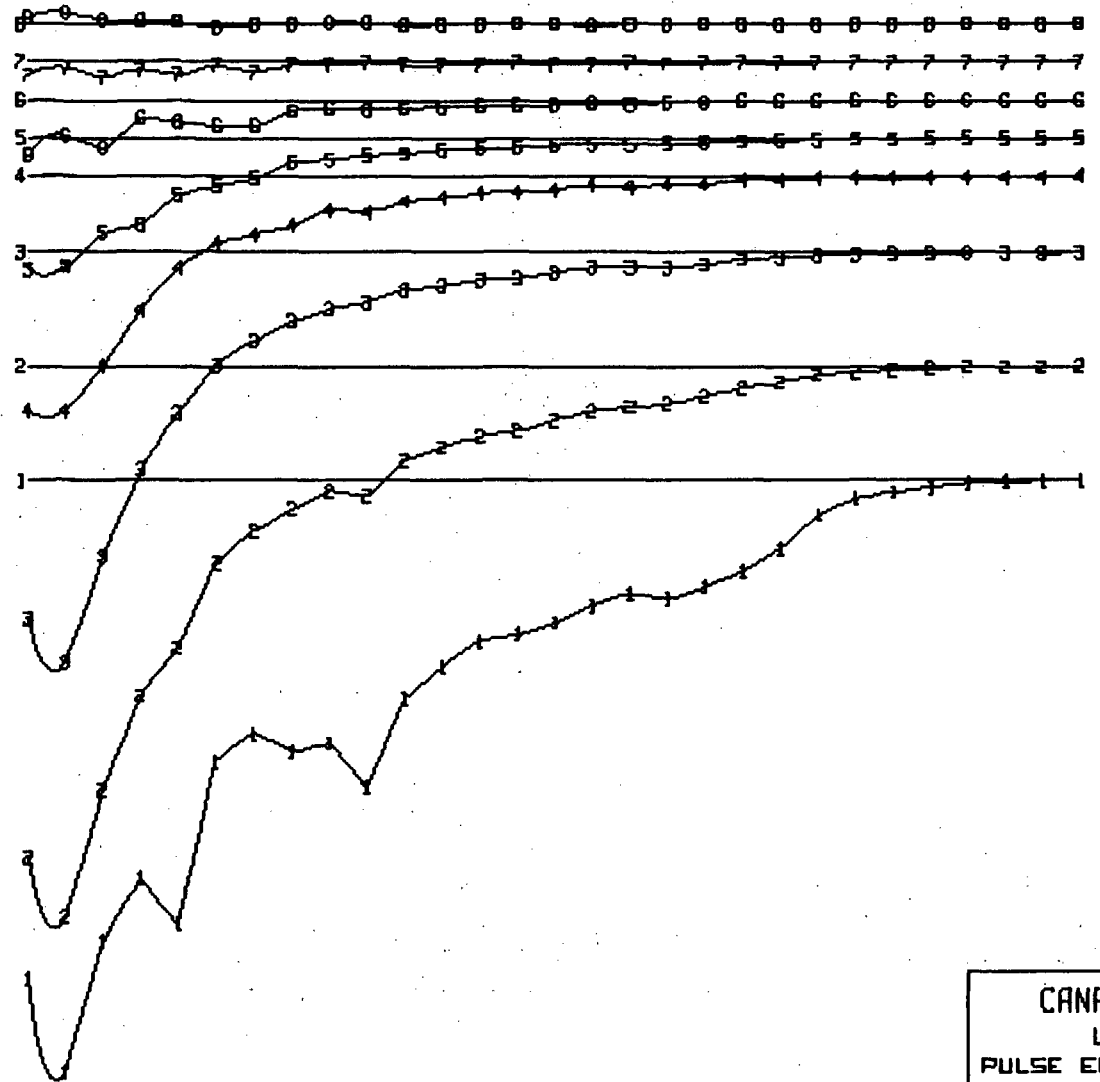
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



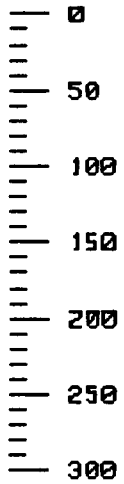
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 200W LOOP C

DATE: JUN/86      FIG.: 38

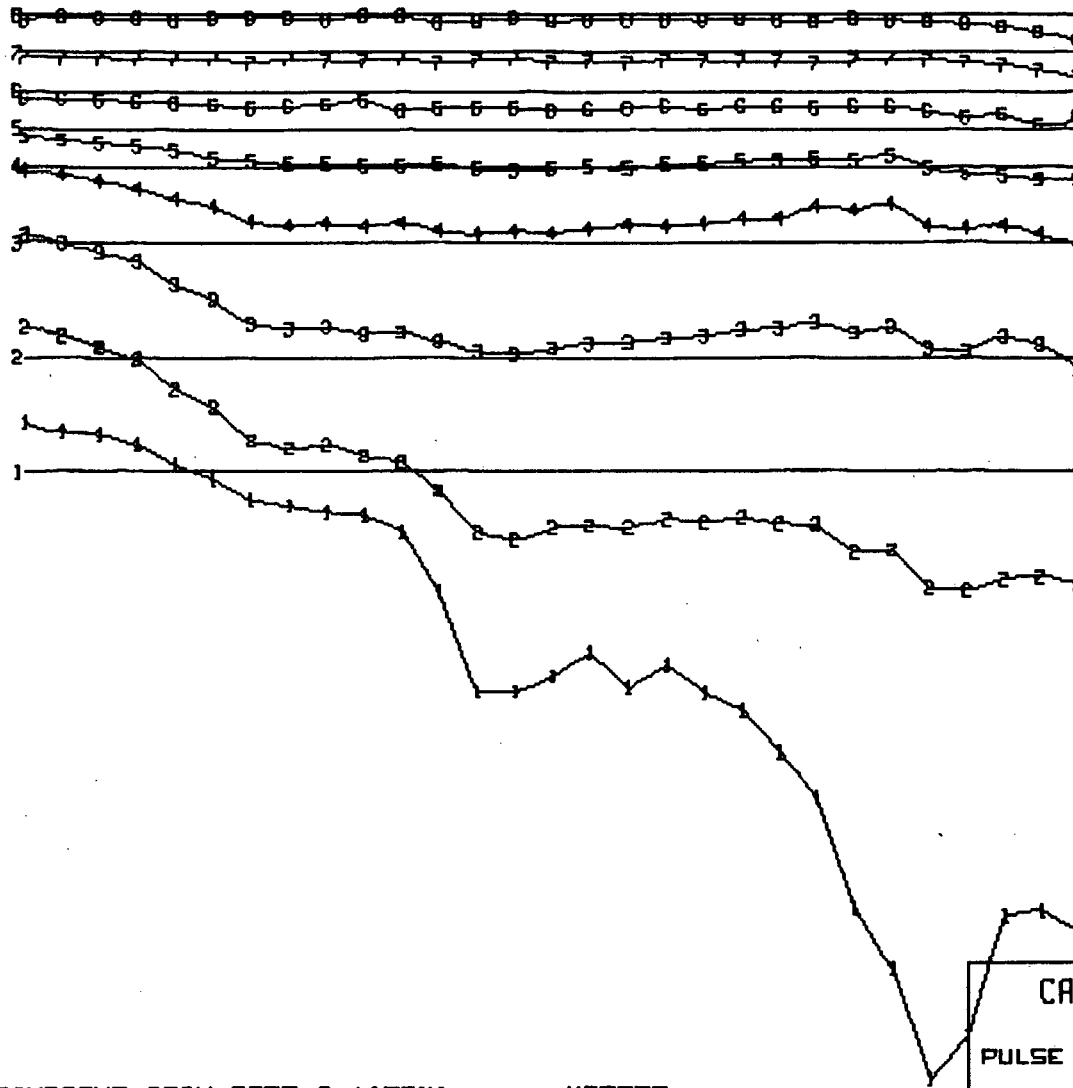
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PANNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 100W LOOP C

DATE: JUN/86

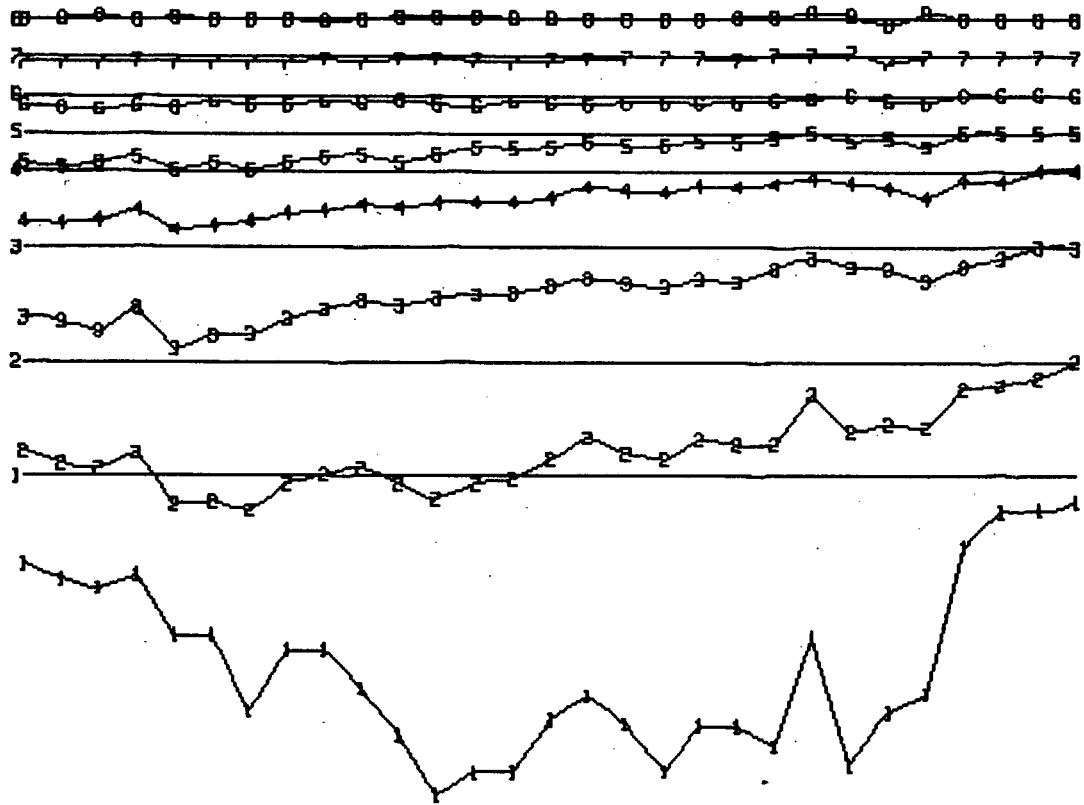
FIG.: 39

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

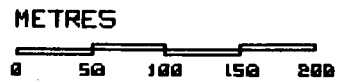
LOOP C

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



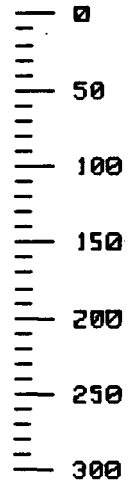
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 100W LOOP C

DATE: JUN/86      FIG.: 40

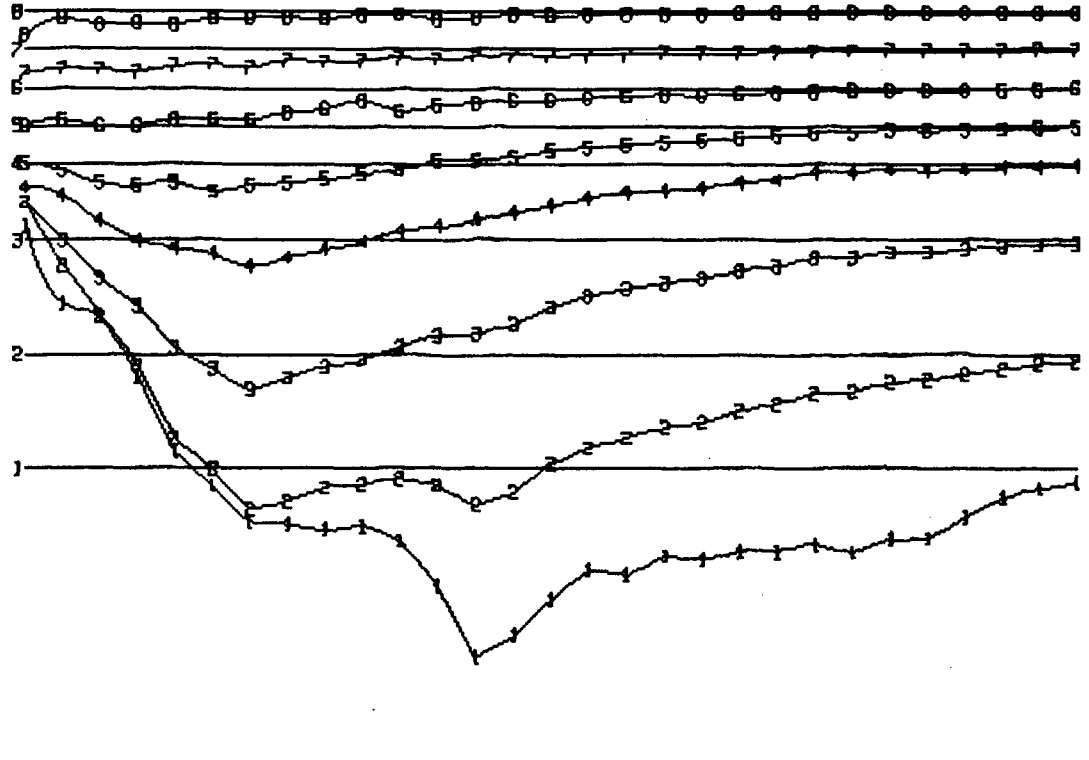
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 100W LOOP C

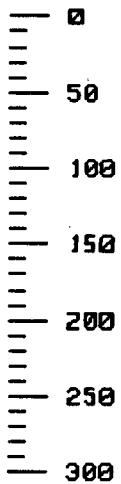
WHITE GEOPHYSICAL INC.

DATE: JUN/86

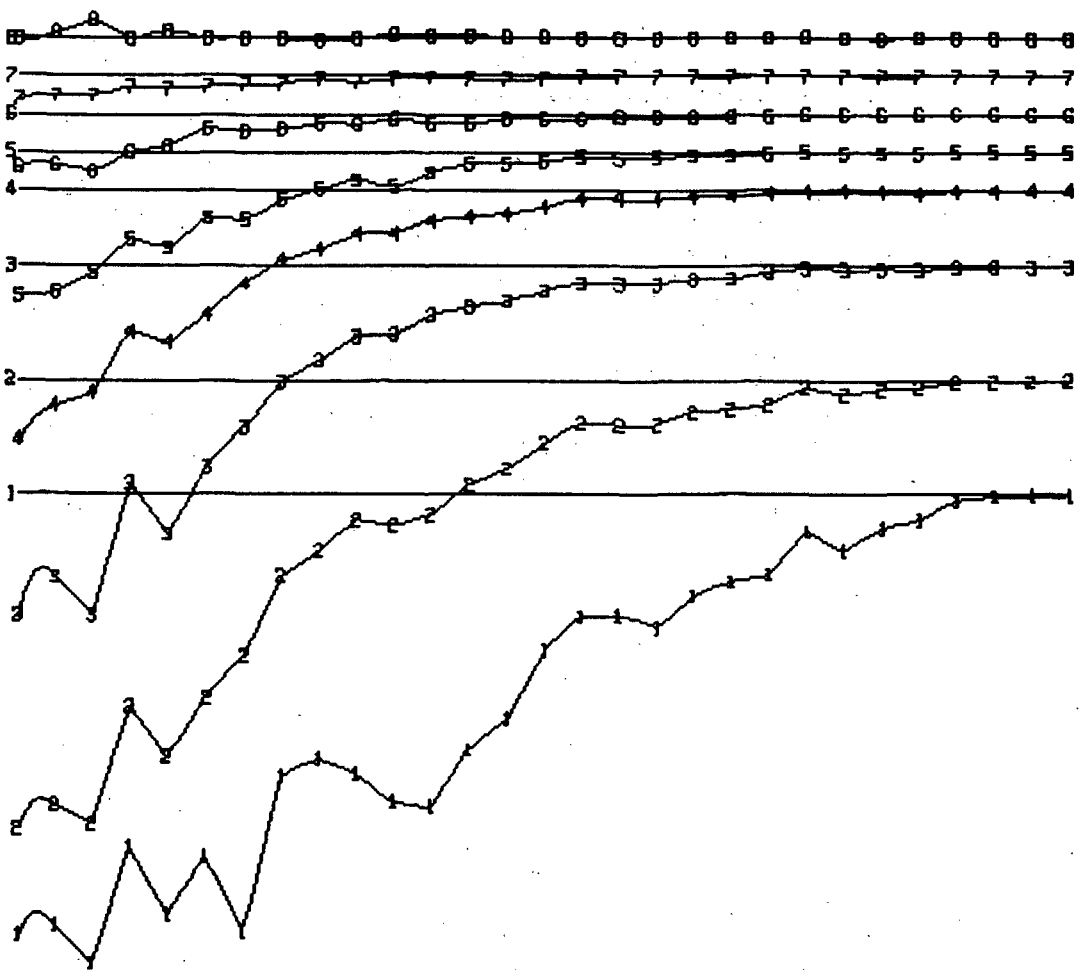
FIG.: 41

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C

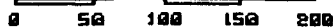


SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 100W LOOP C

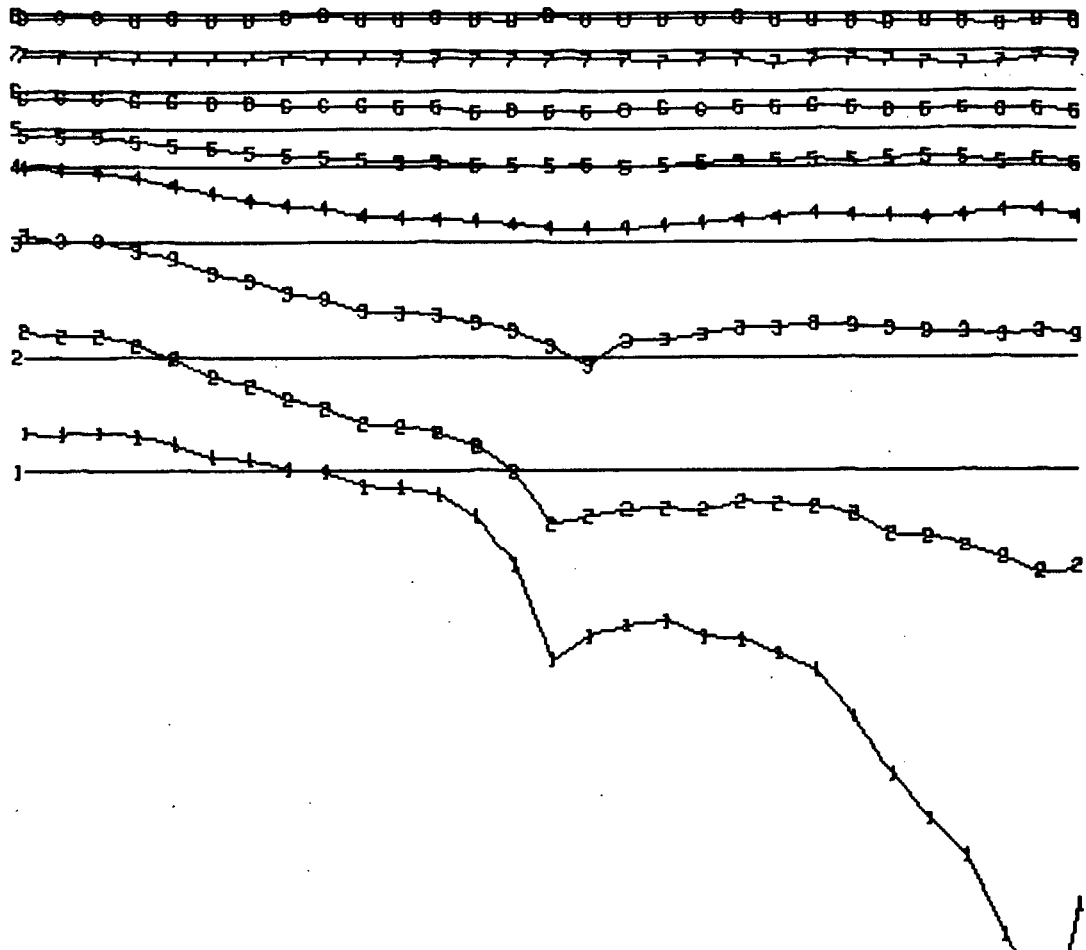
DATE: JUN/86

FIG.: 42

WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAMNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 00W LOOP C

DATE: JUN/86 FIG.: 43

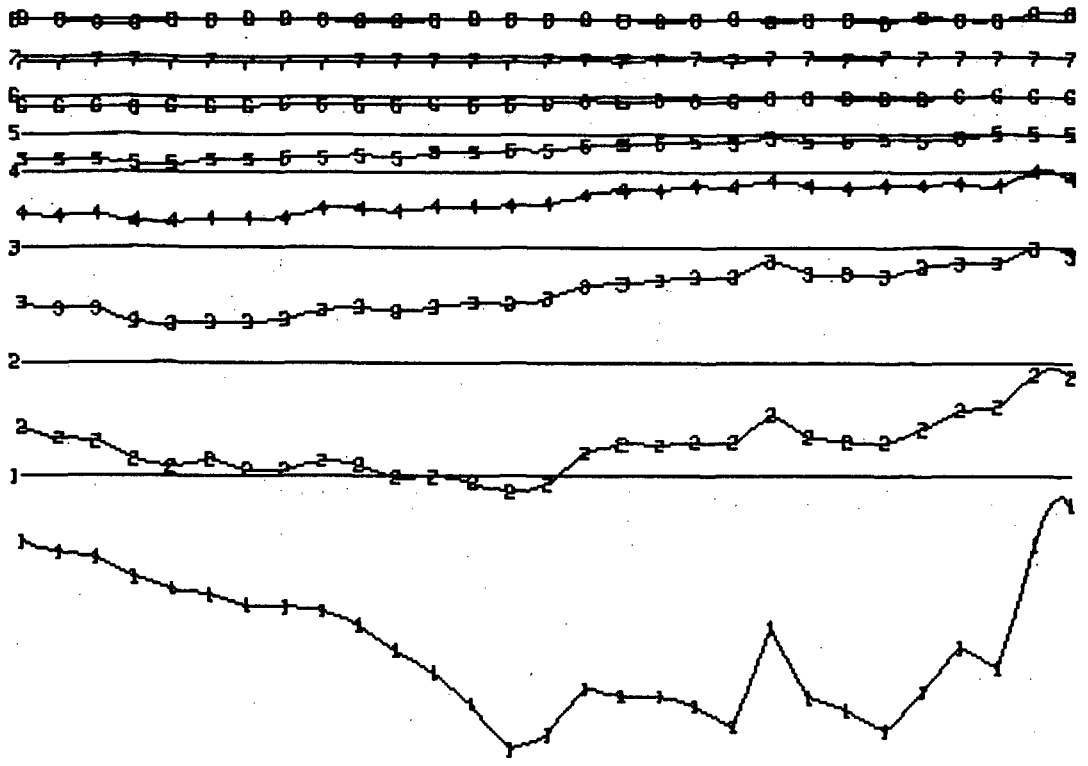
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 00W LOOP C

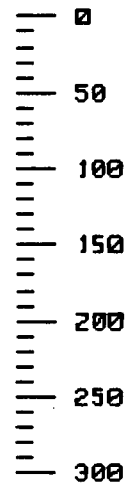
DATE: JUN/86      FIG.: 44

WHITE GEOPHYSICAL INC.

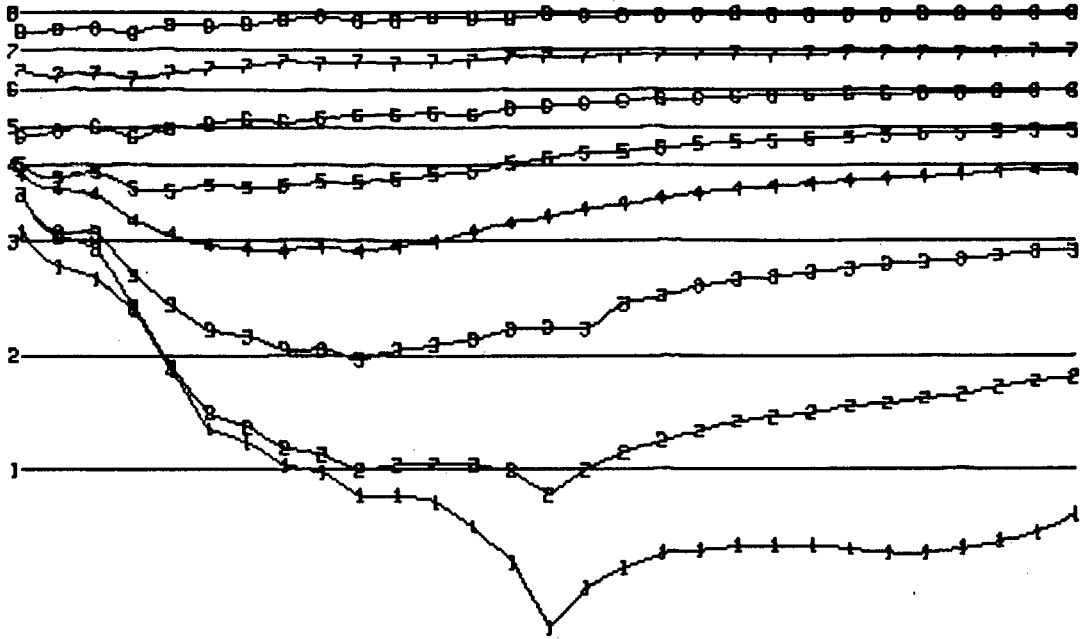


750N  
725N  
700N  
675N  
650N  
625N  
600N  
575N  
550N  
525N  
500N  
475N  
450N  
425N  
400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N

LOOP C



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



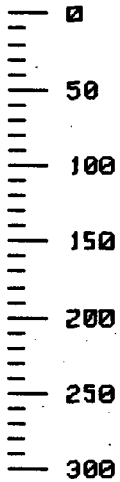
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
VERTICAL COMPONENT  
LINE 00W LOOP C

DATE: JUN/86      FIG.: 45

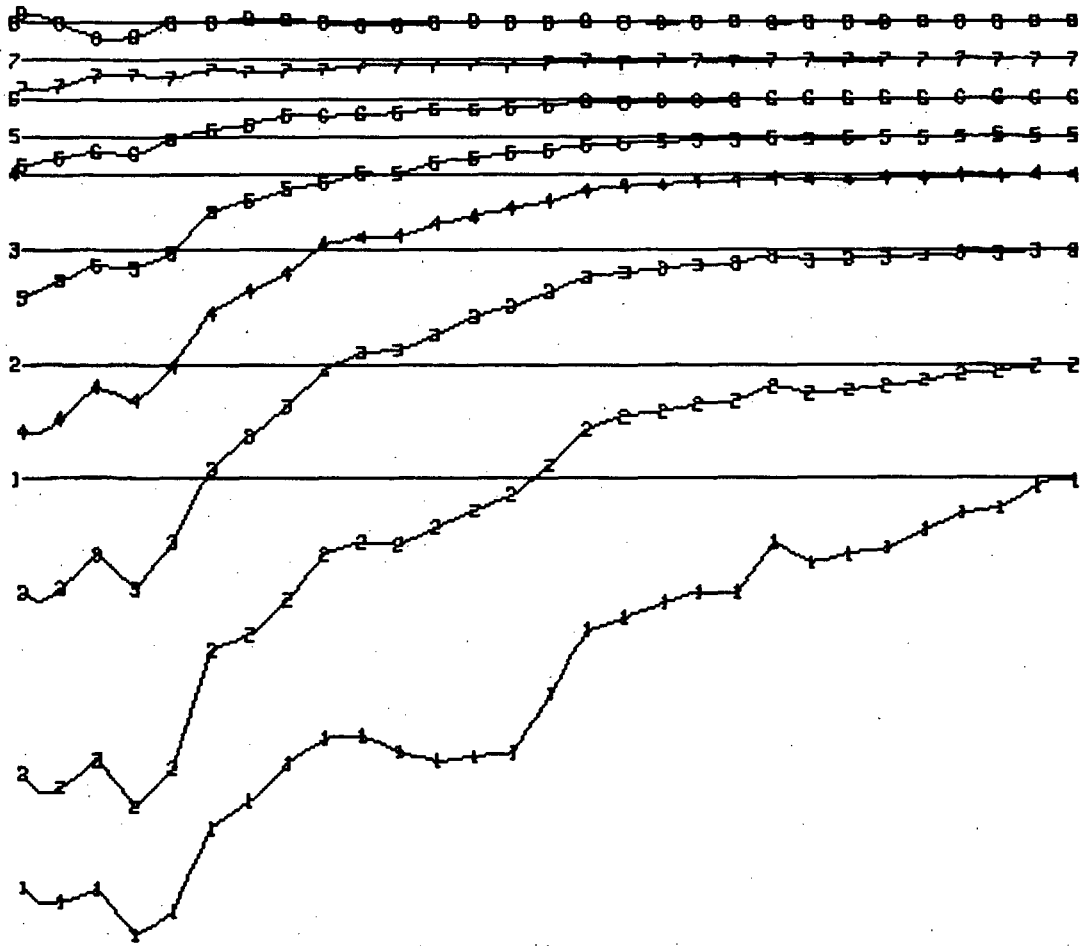
WHITE GEOPHYSICAL INC.

750N 725N 700N 675N 650N 625N 600N 575N 550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N

LOOP C

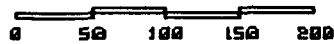


SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 00W LOOP C

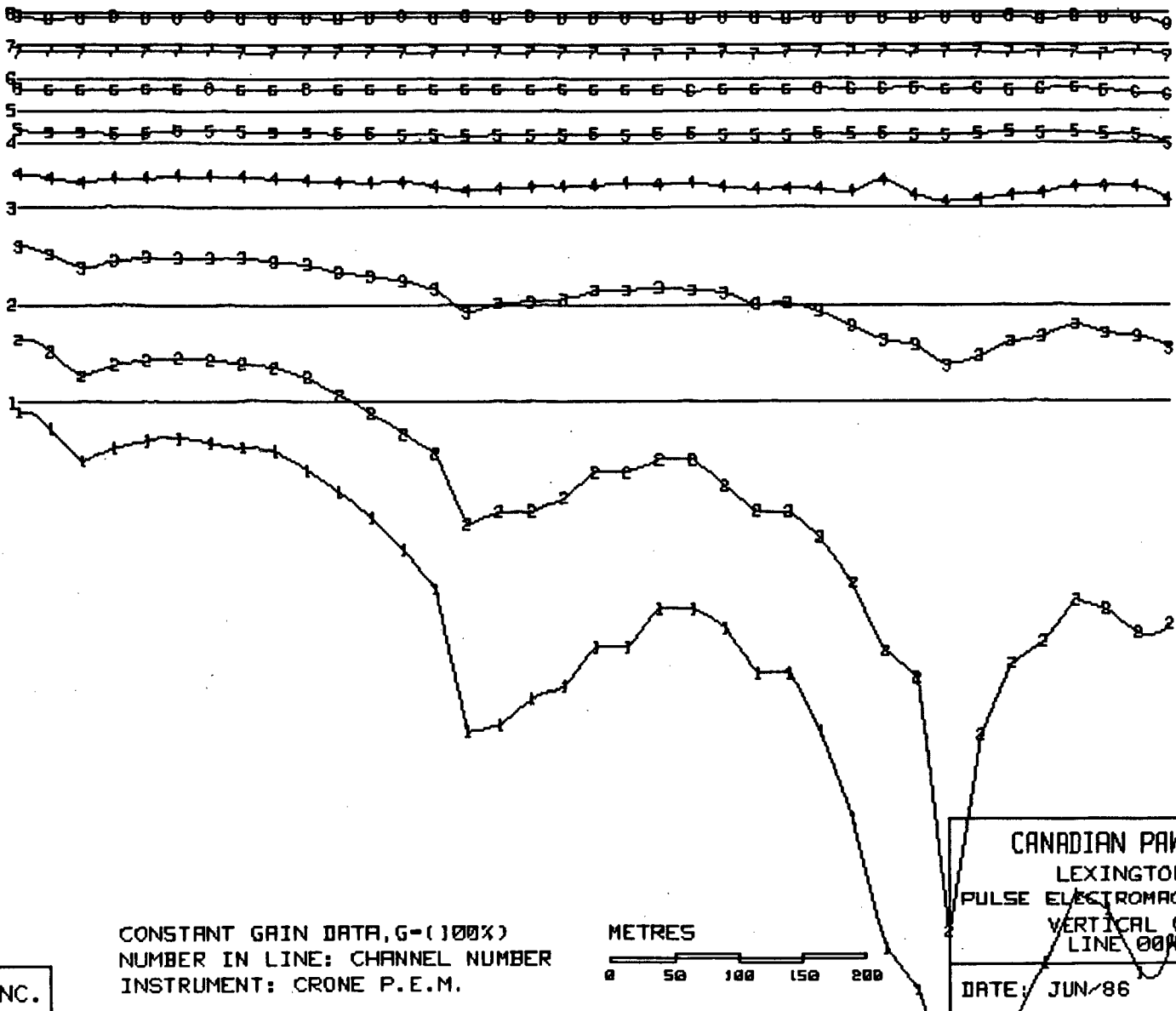
DATE: JUN/86

FIG.: 46

WHITE GEOPHYSICAL INC.

450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300  
SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

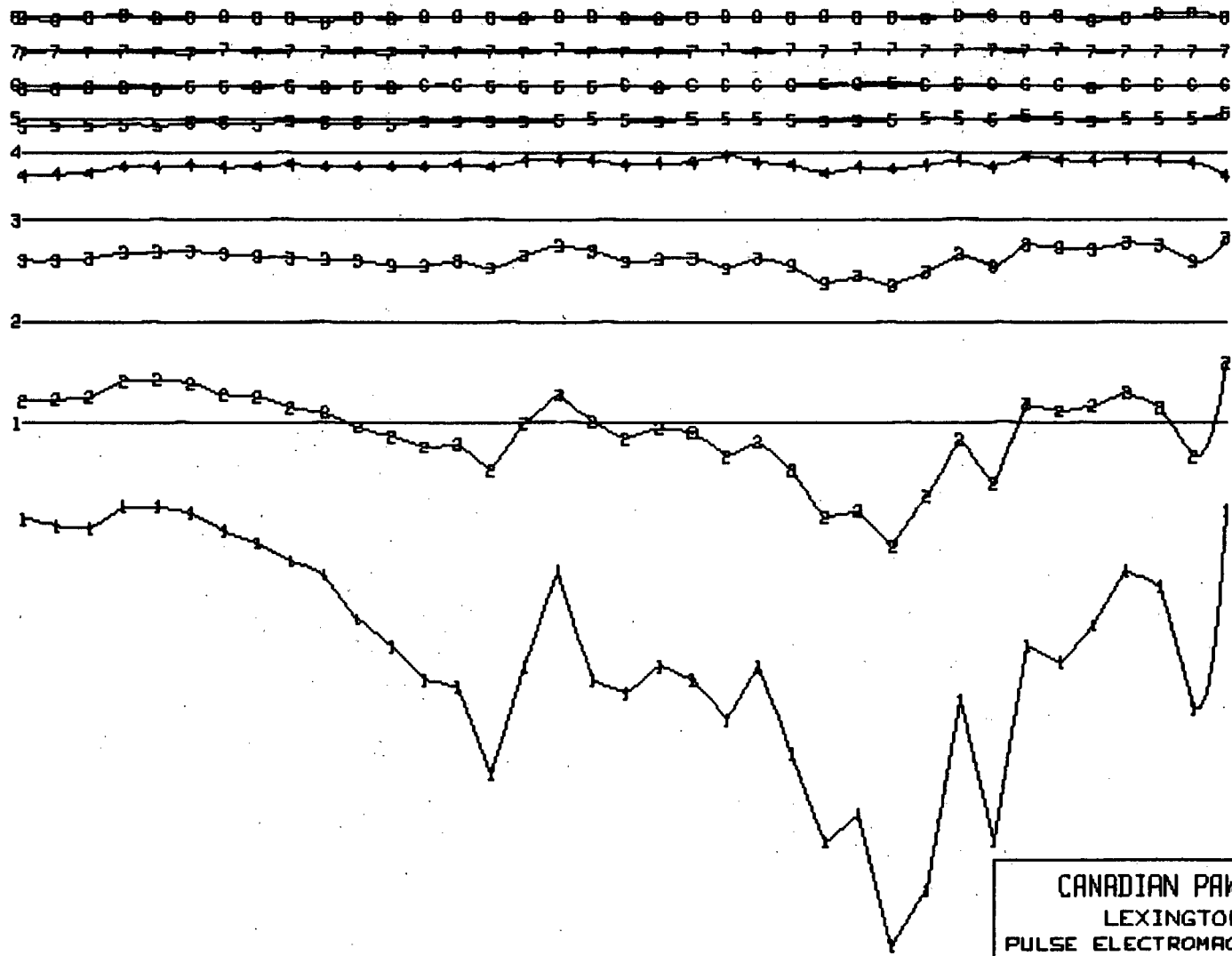
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 00N LOOP A

DATE: JUN/86 FIG.: 47

WHITE GEOPHYSICAL INC.

450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

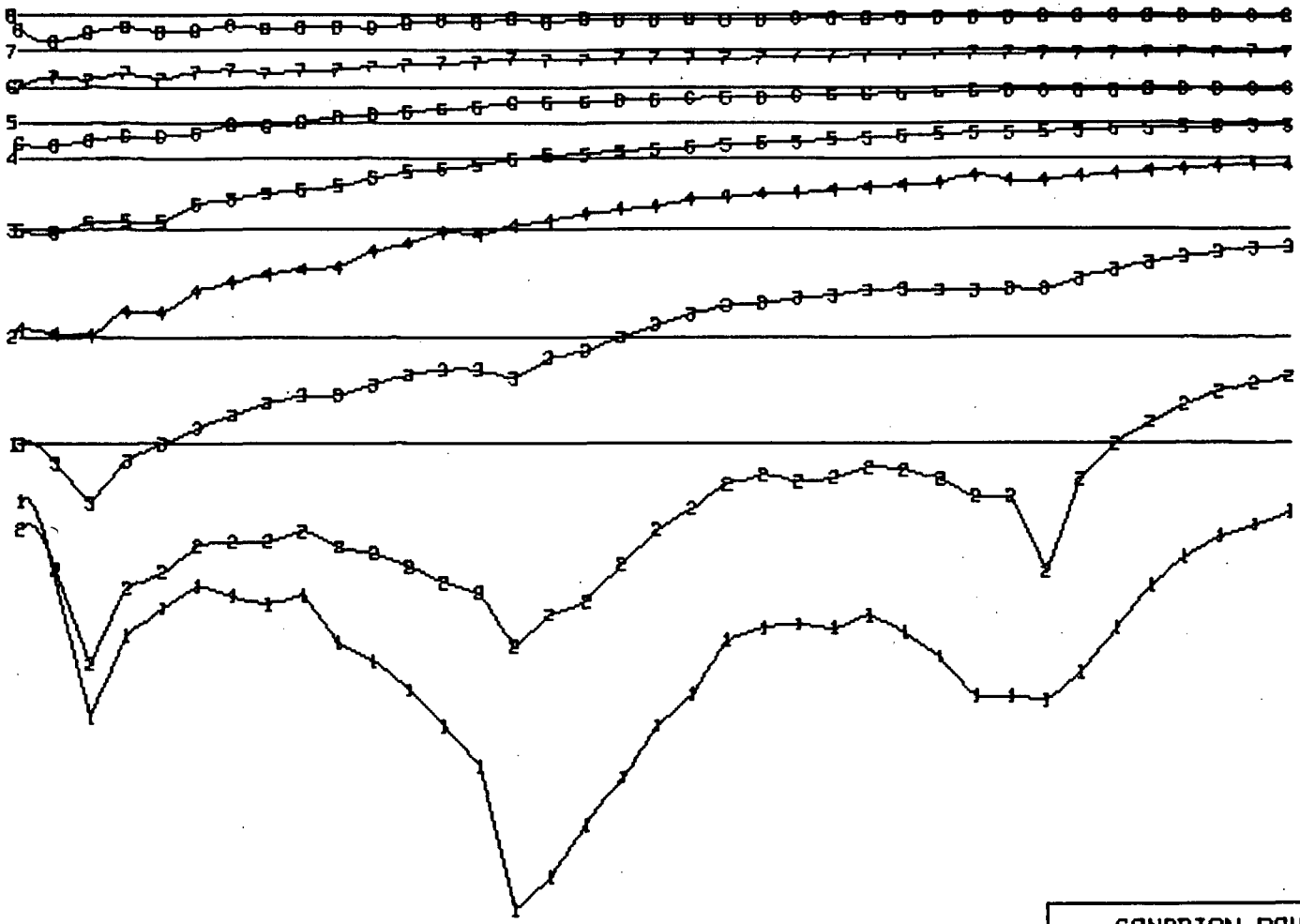
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 00W LOOP A

DATE: JUN/86 FIG.: 48

WHITE GEOPHYSICAL INC.

450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 00W LOOP A

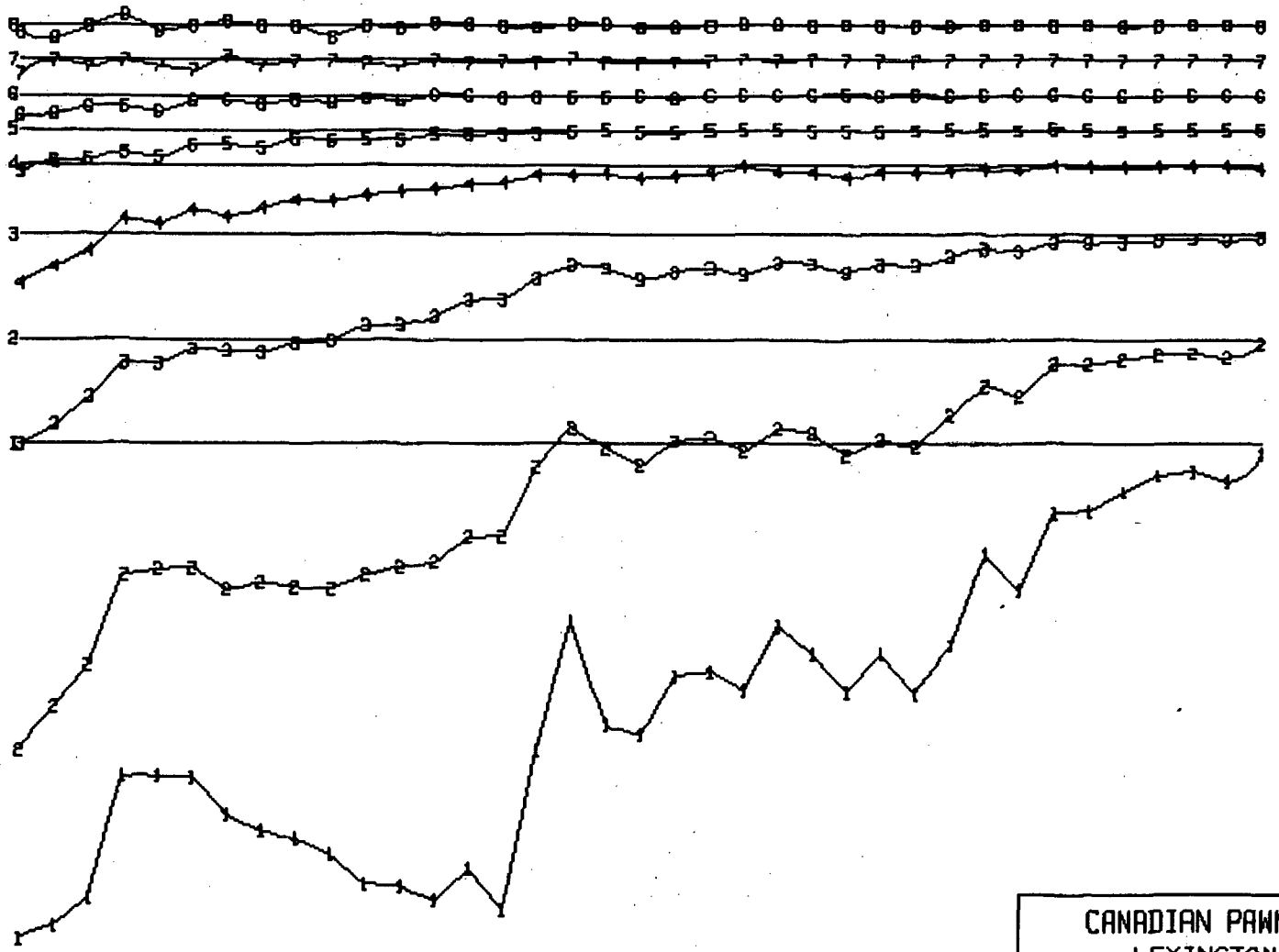
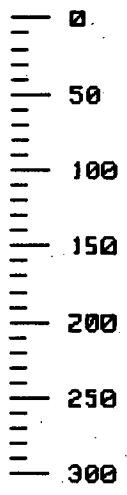
DATE: JUN/86

FIG.: 49

WHITE GEOPHYSICAL INC.

450N 425N 400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 00W LOOP A

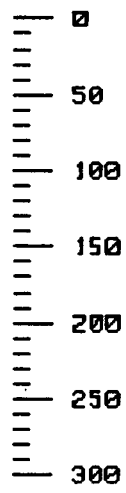
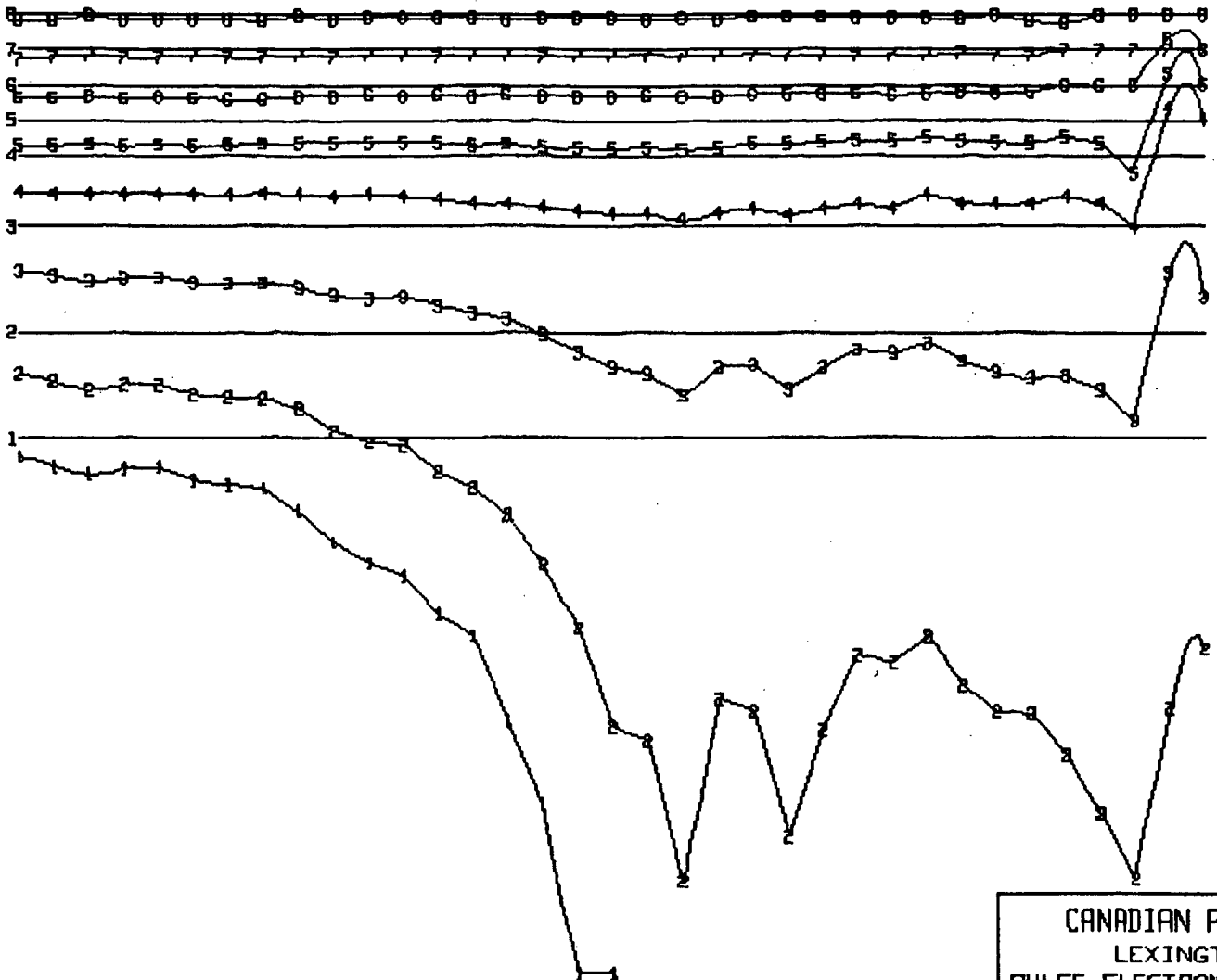
DATE: JUN/86

FIG.: 50

WHITE GEOPHYSICAL INC.

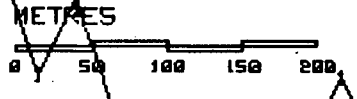
LOOP A

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PANWEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
VERTICAL COMPONENT  
LINE 100E LOOP A

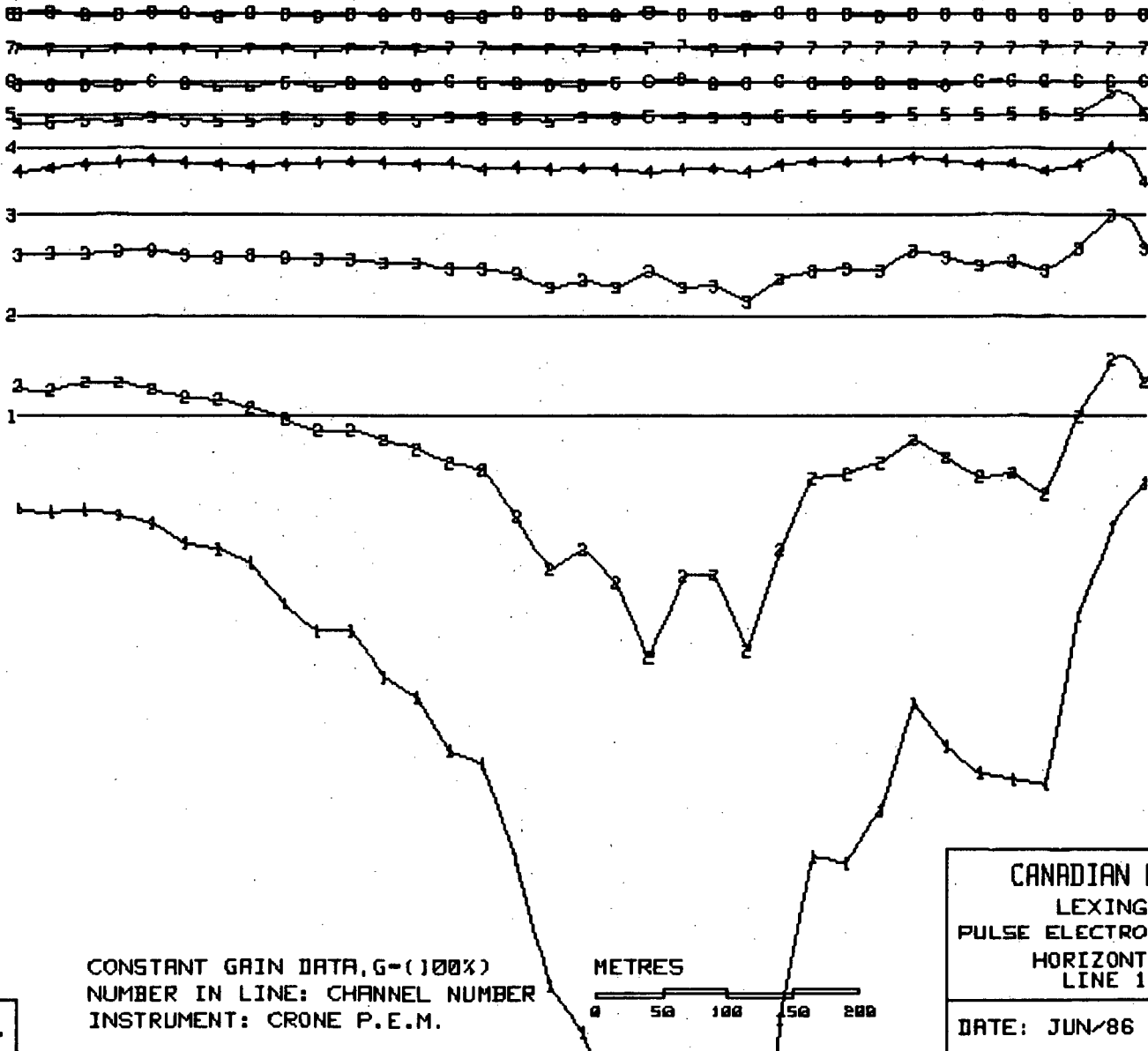
DATE: JUN/86

FIG.: 51

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 100E LOOP A

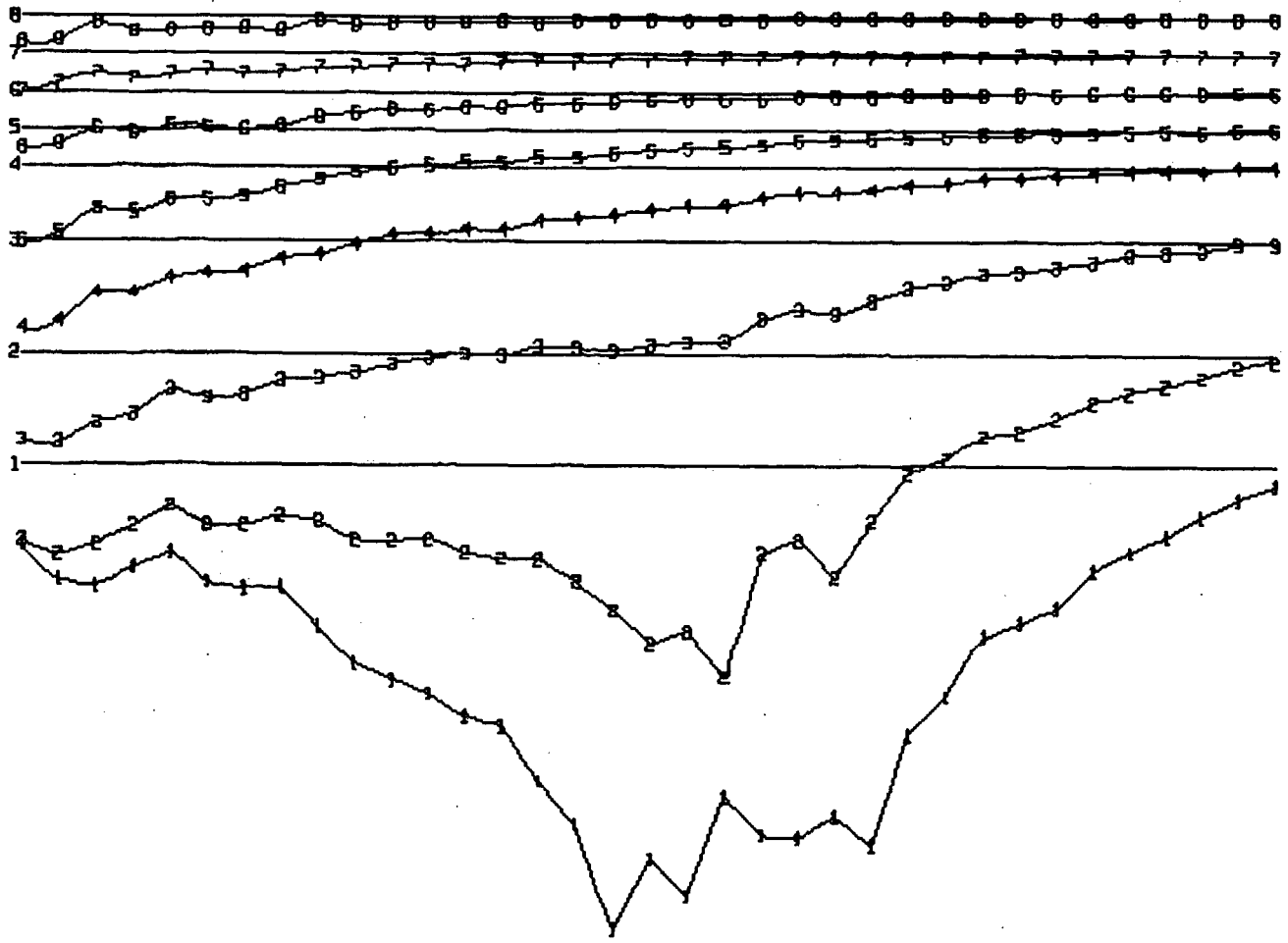
DATE: JUN/86      FIG.: 52

WHITE GEOPHYSICAL INC.



400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 100E LOOP A

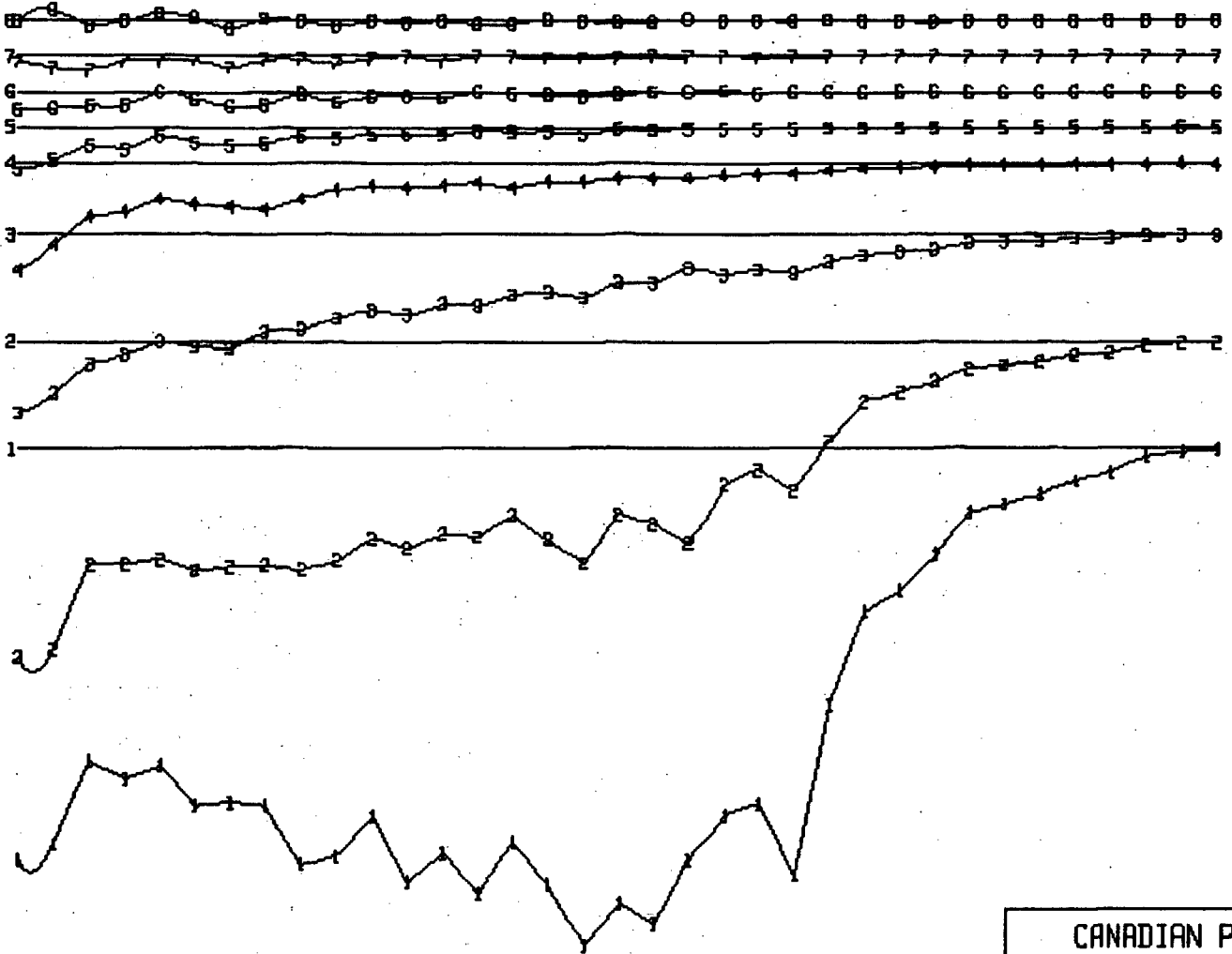
DATE: JUN/86 FIG.: 53

WHITE GEOPHYSICAL INC.



400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 100E LOOP A

DATE: JUN/86

FIG.: 54

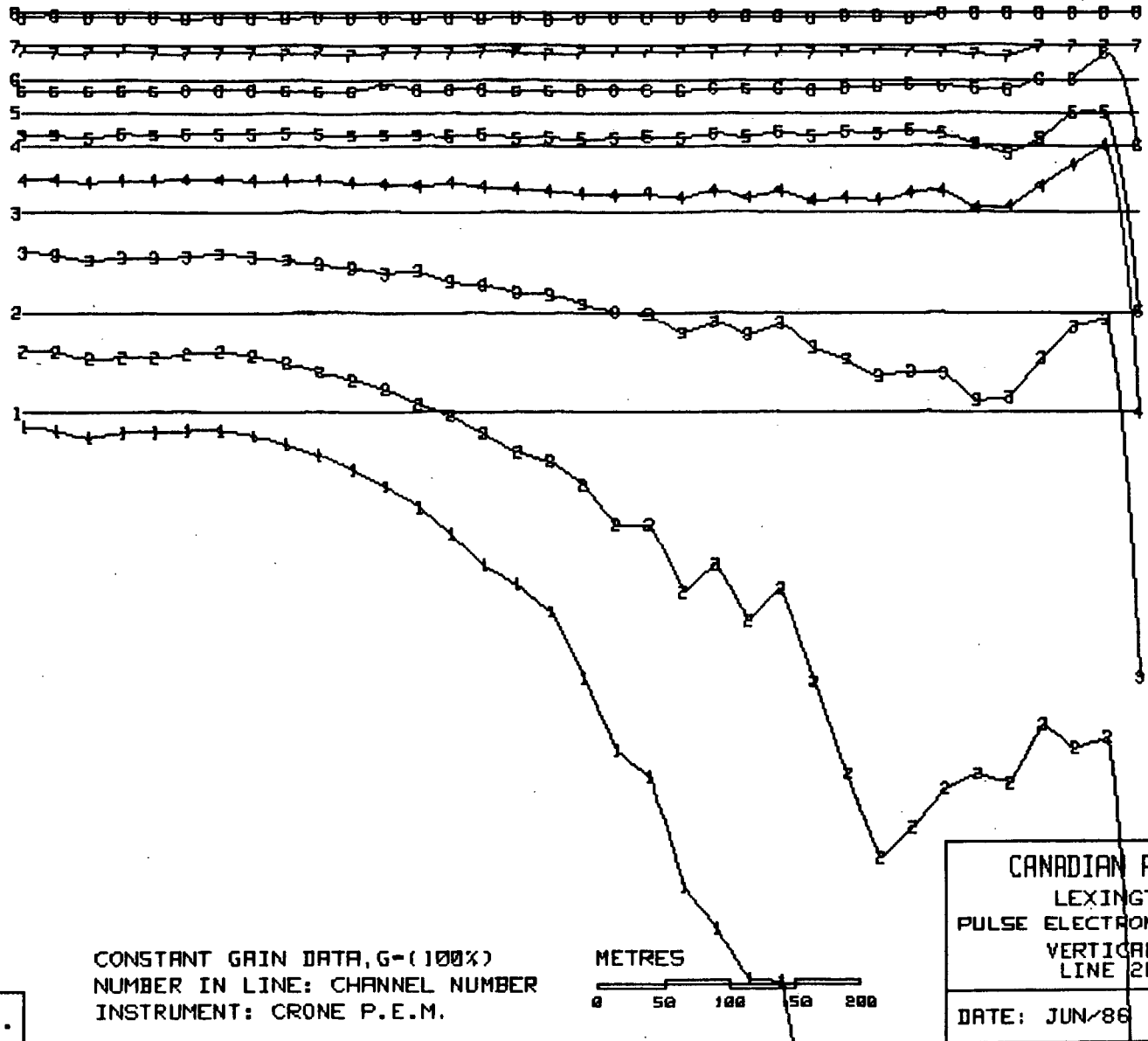
WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



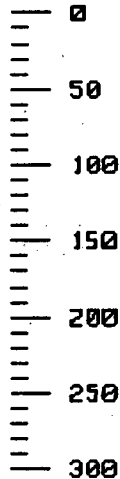
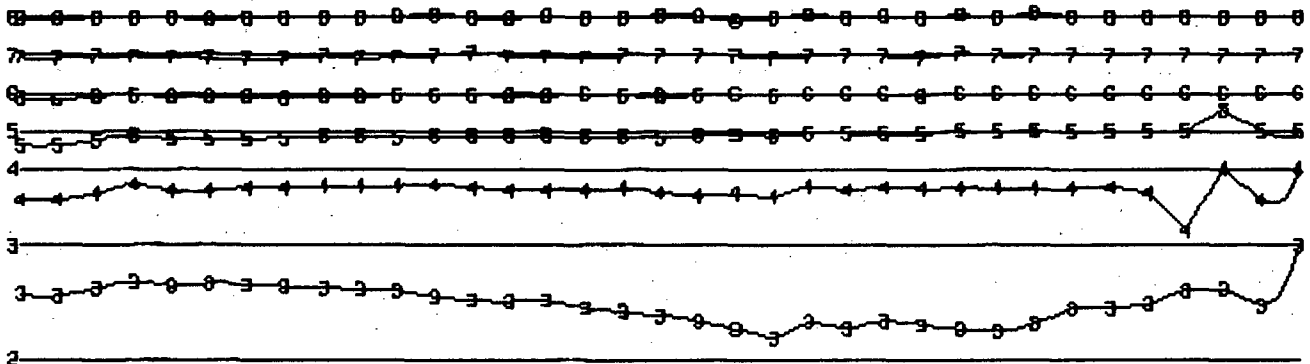
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 200E LOOP A

DATE: JUN/86      FIG.: 55

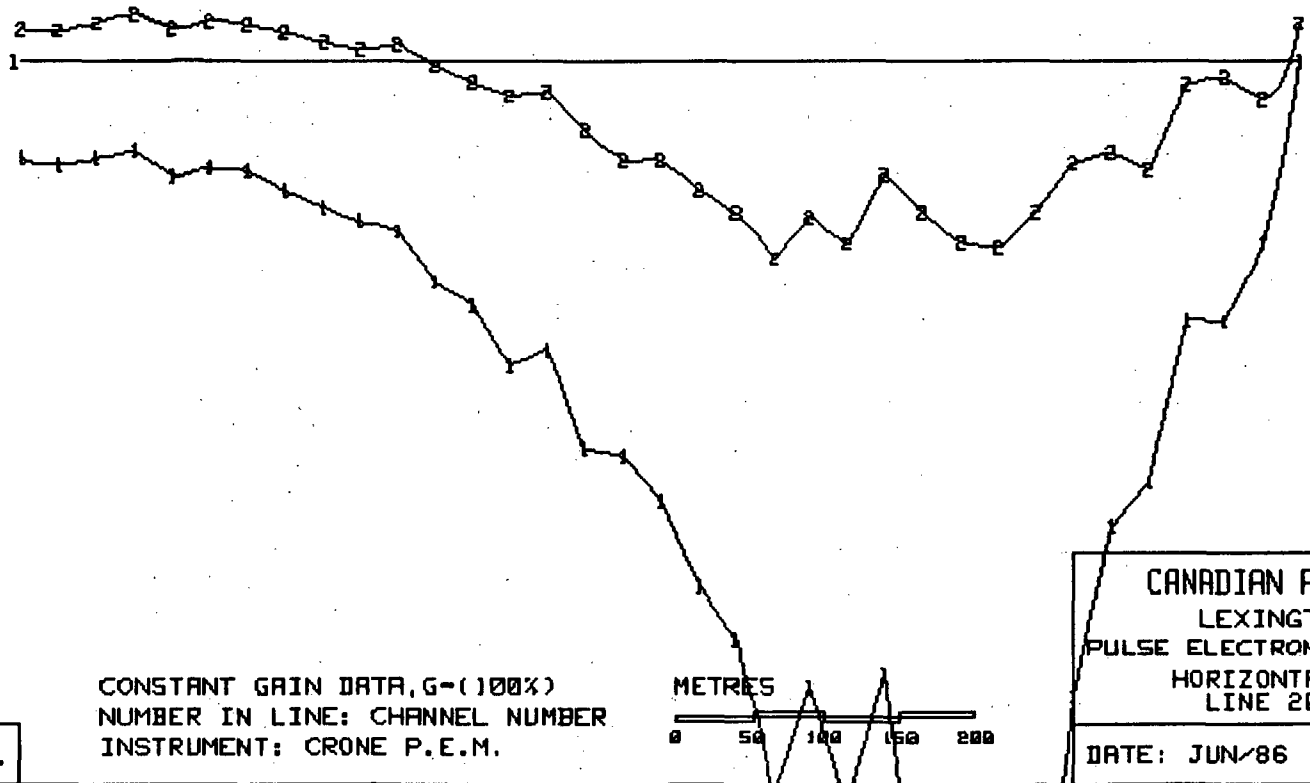
WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

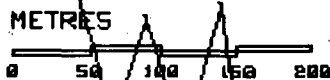
LOOP A



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 200E LOOP A

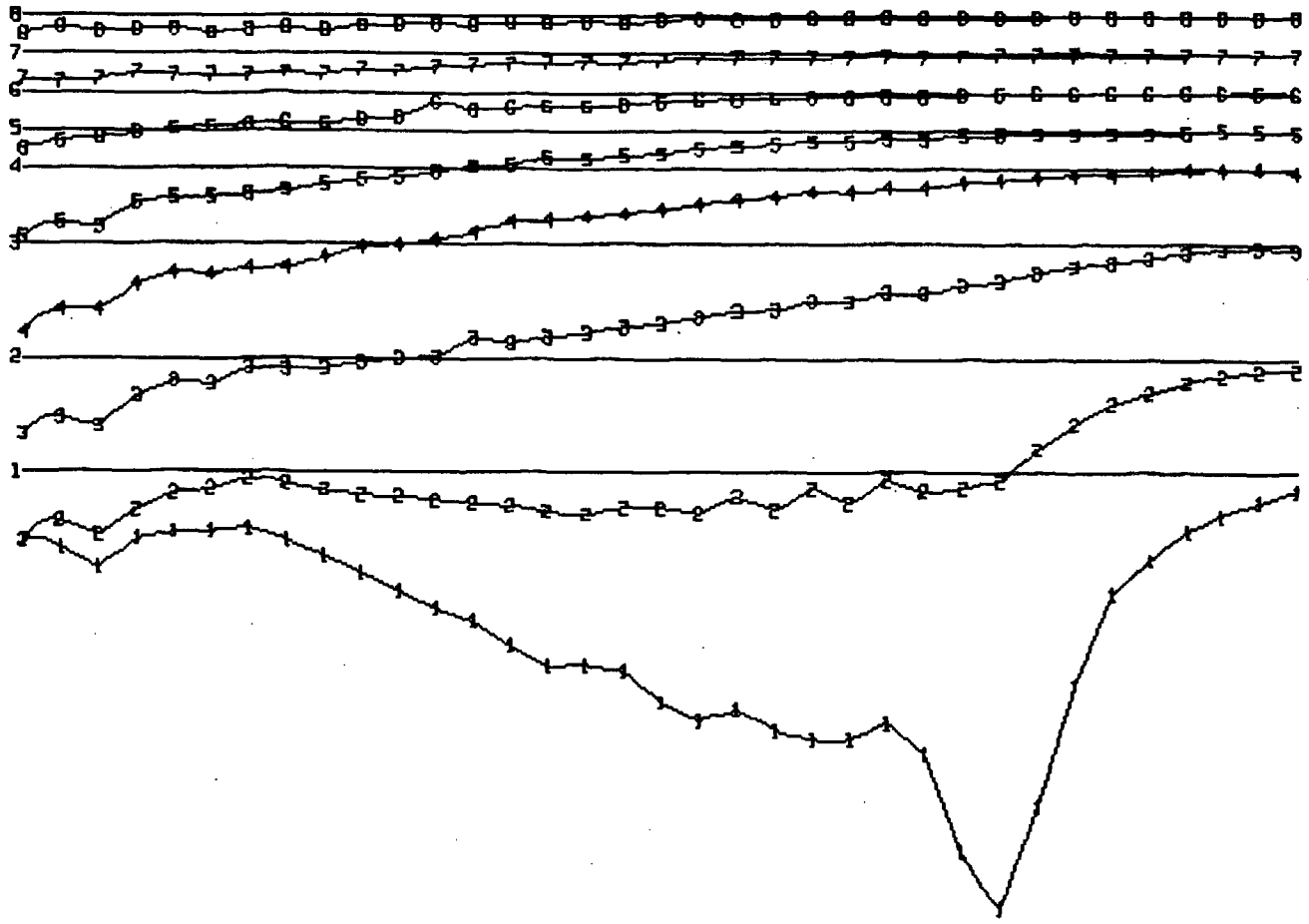
DATE: JUN/86

FIG.: 56

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

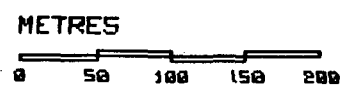
LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 200E LOOP A

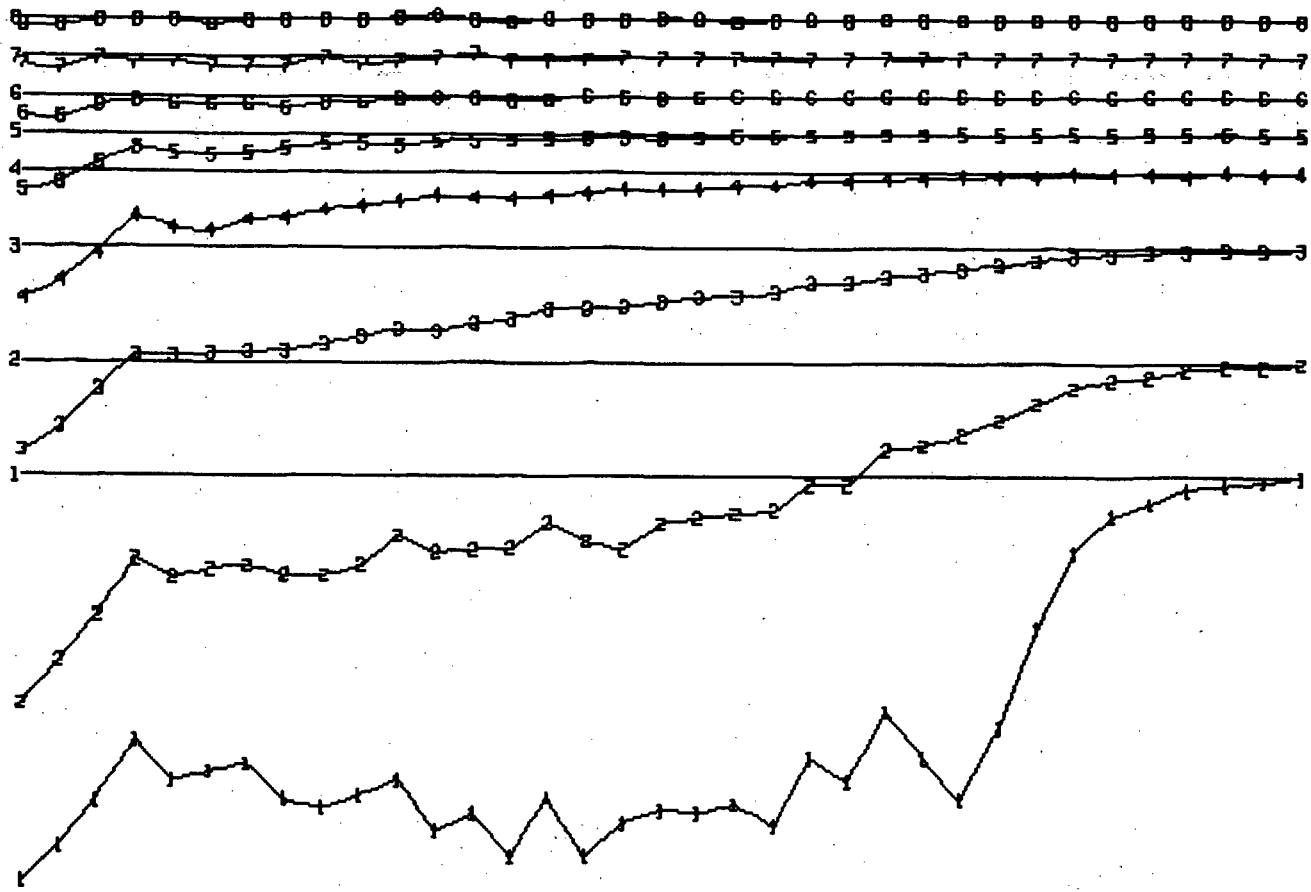
DATE: JUN/86      FIG.: 57

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

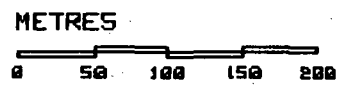
LOOP A

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 200E LOOP A

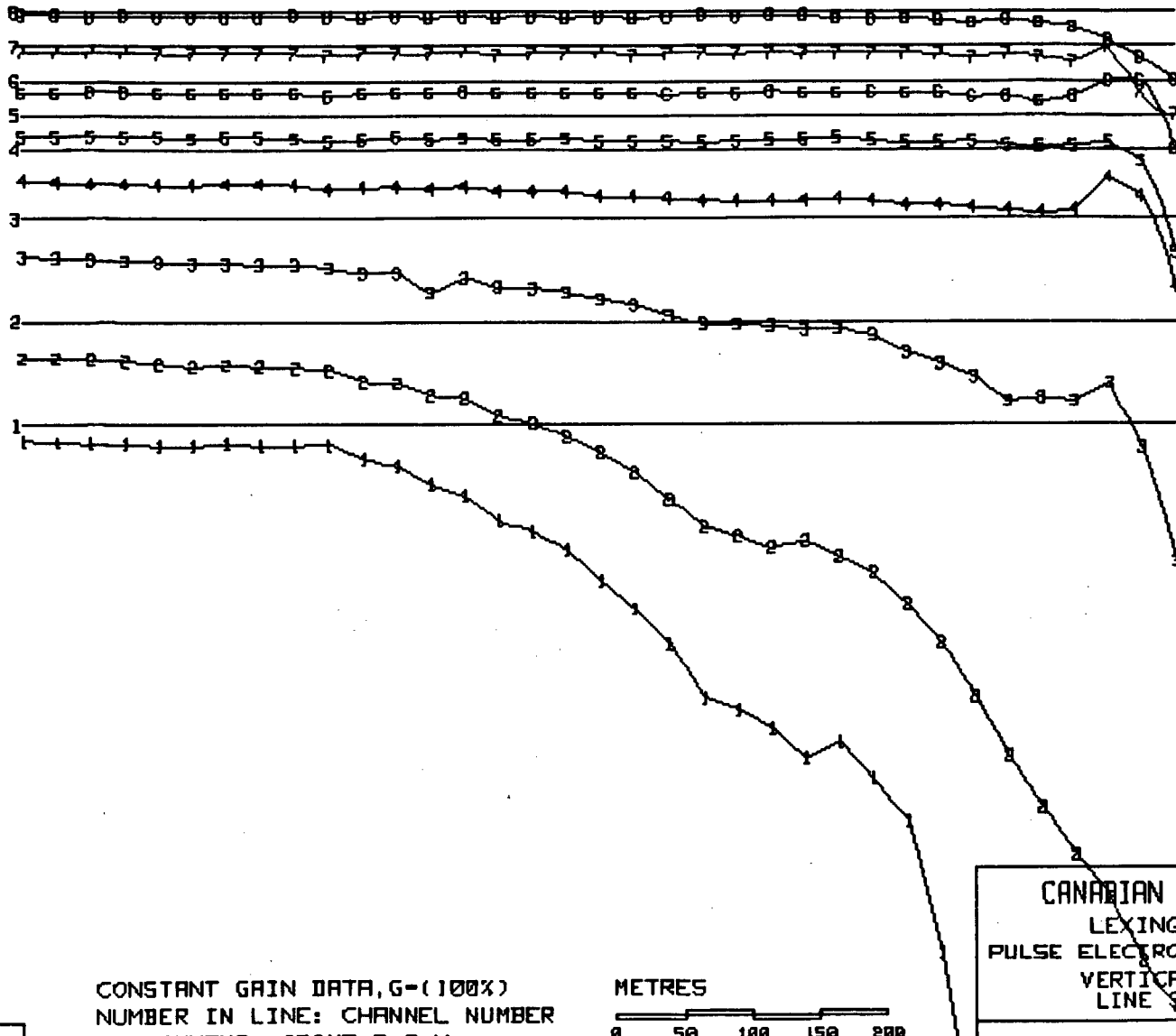
DATE: JUN/86

FIG.: 58

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 300E LOOP A

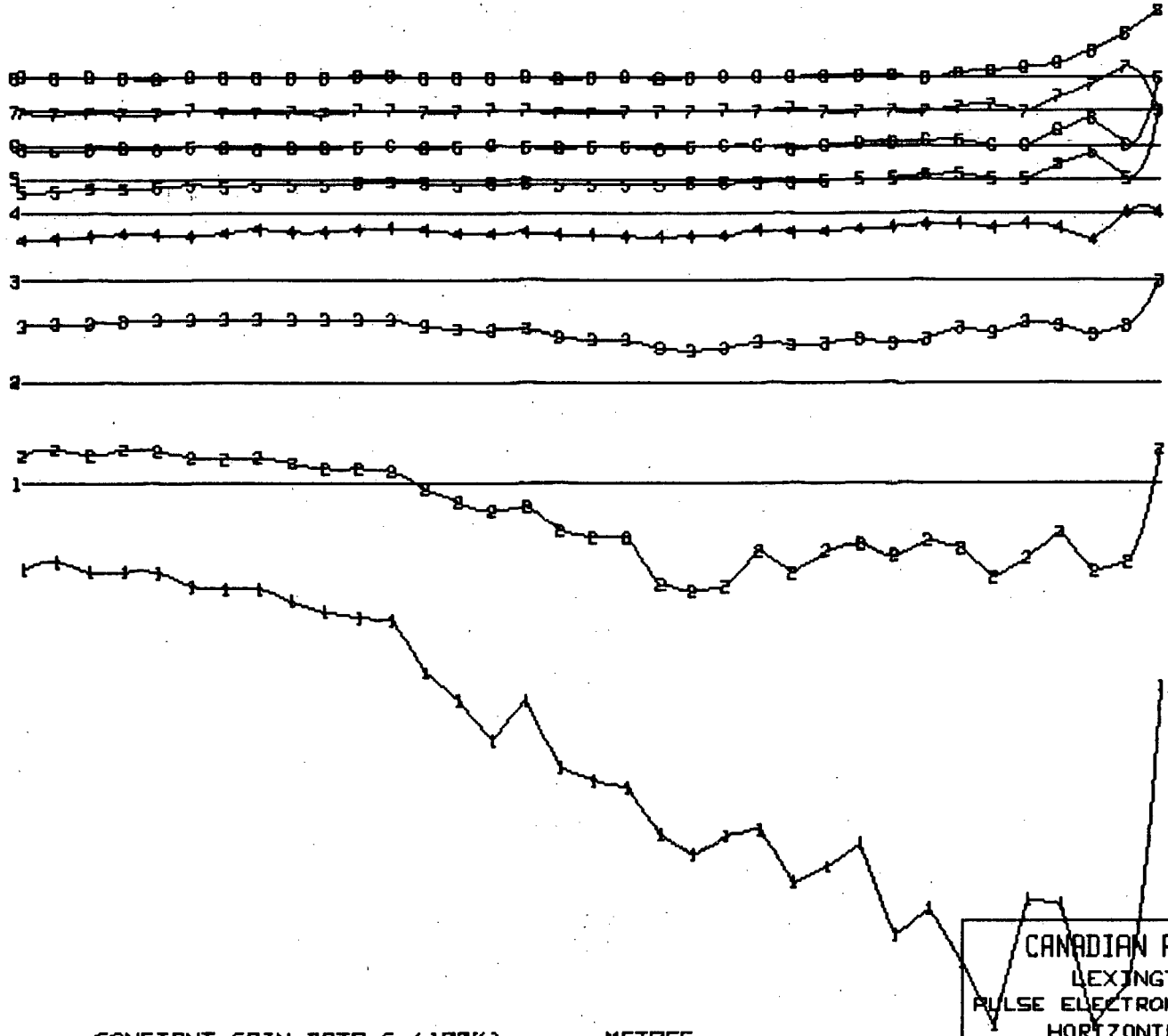
DATE: JUN/86

FIG.: 59

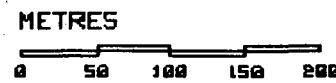
WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



CONSTANT GAIN DATA, G=(100%)  
 NUMBER IN LINE: CHANNEL NUMBER  
 INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
 LEXINGTON PROPERTY  
 PULSE ELECTROMAGNETOMETER SURVEY  
 HORIZONTAL COMPONENT  
 LINE 300E LOOP A

DATE: JUN/86

FIG.: 60

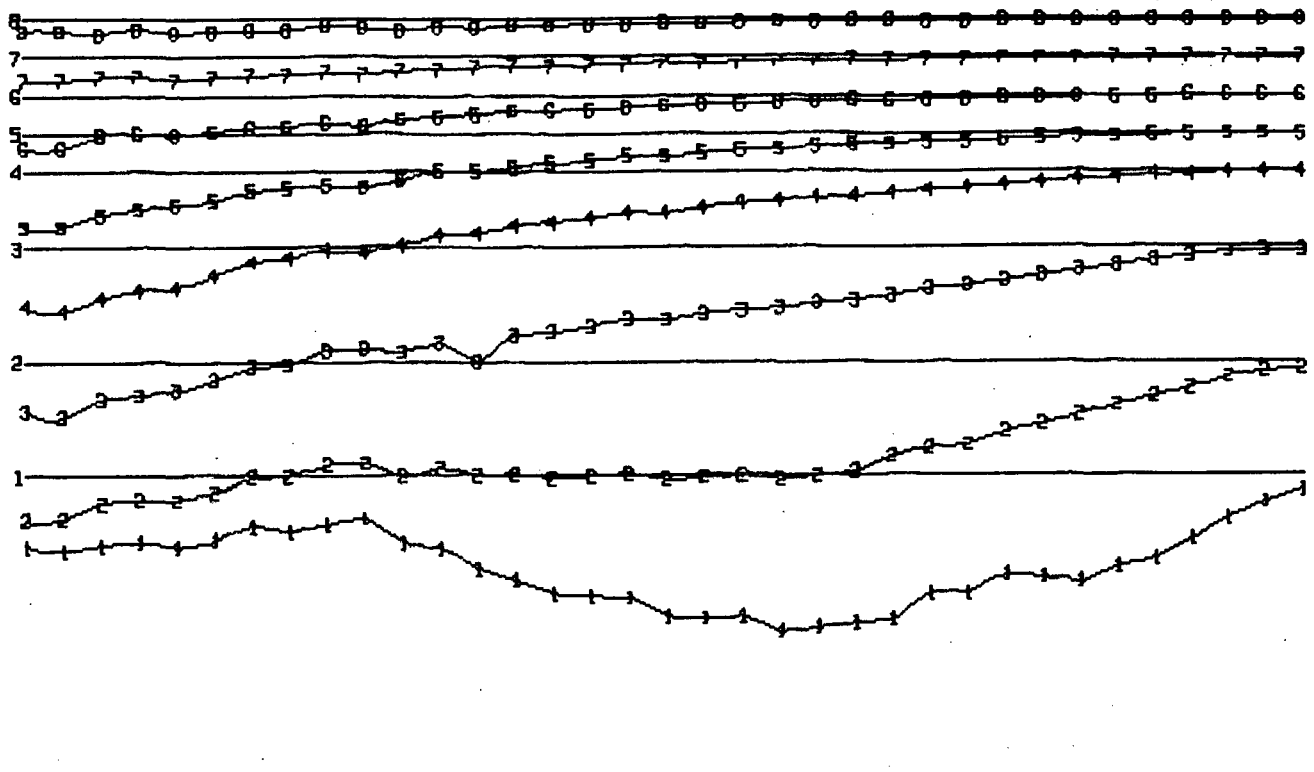
WHITE GEOPHYSICAL INC.



400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 300E LOOP A

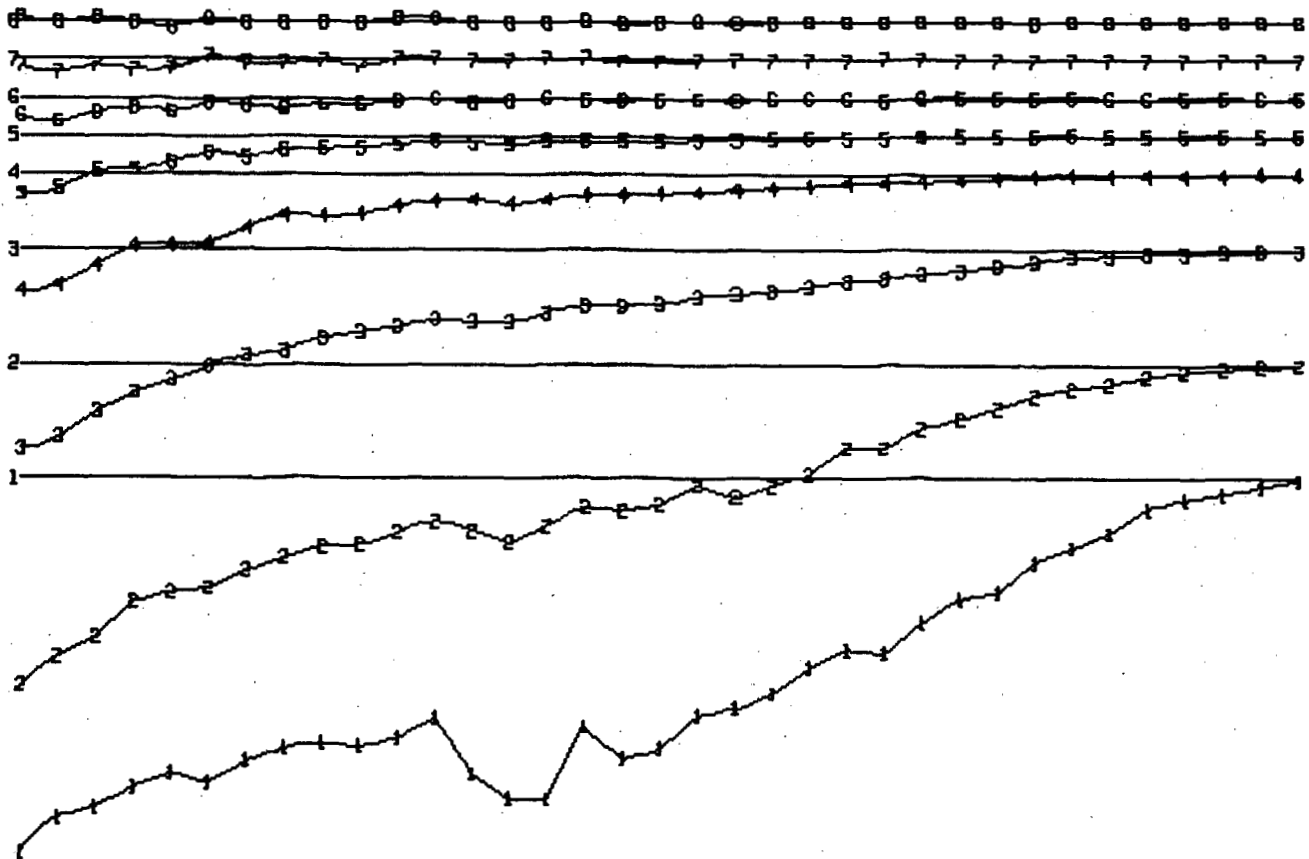
DATE: JUN/86

FIG.: 61

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 300E LOOP A

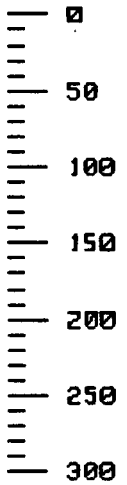
DATE: JUN/86

FIG.: 62

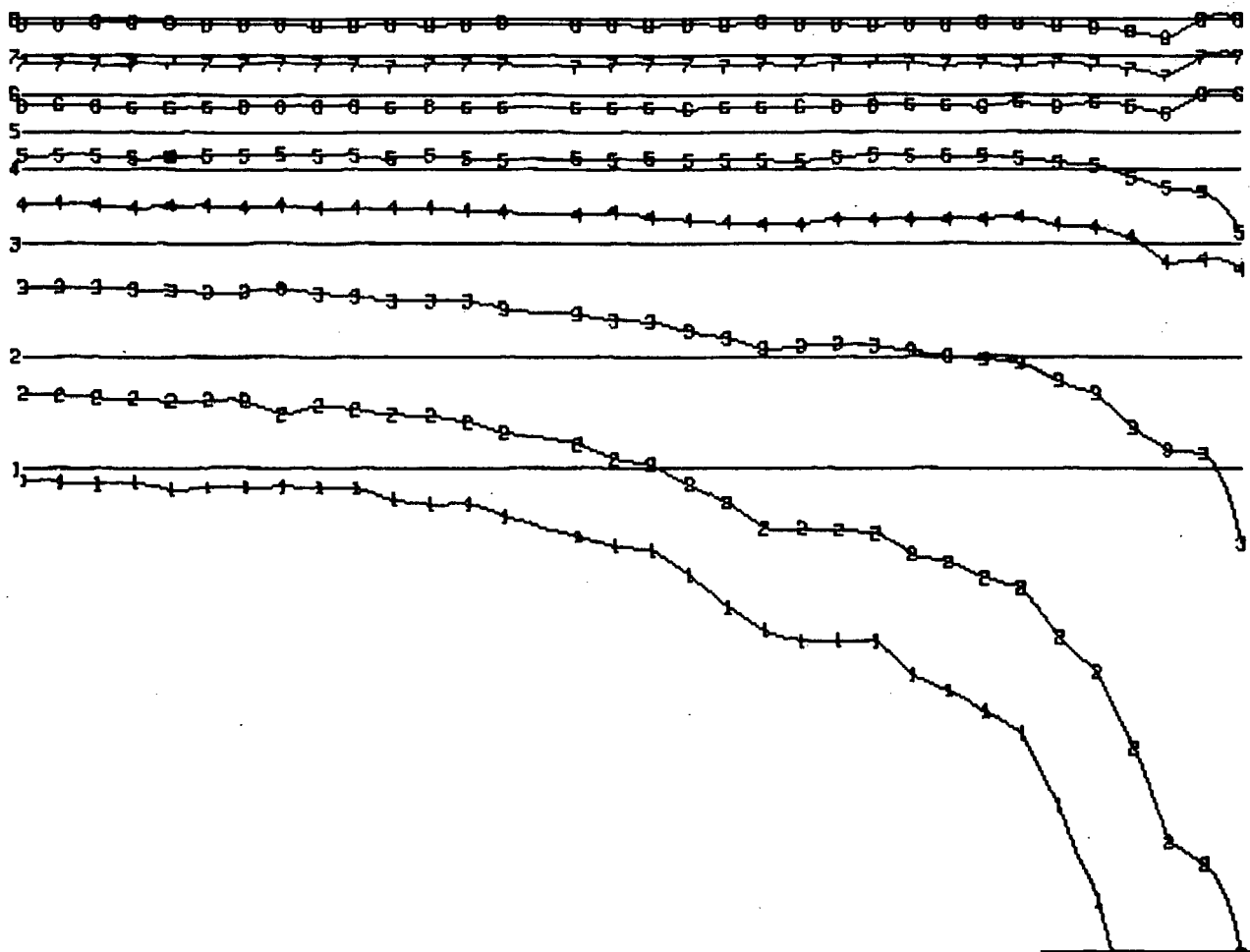
WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.F.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



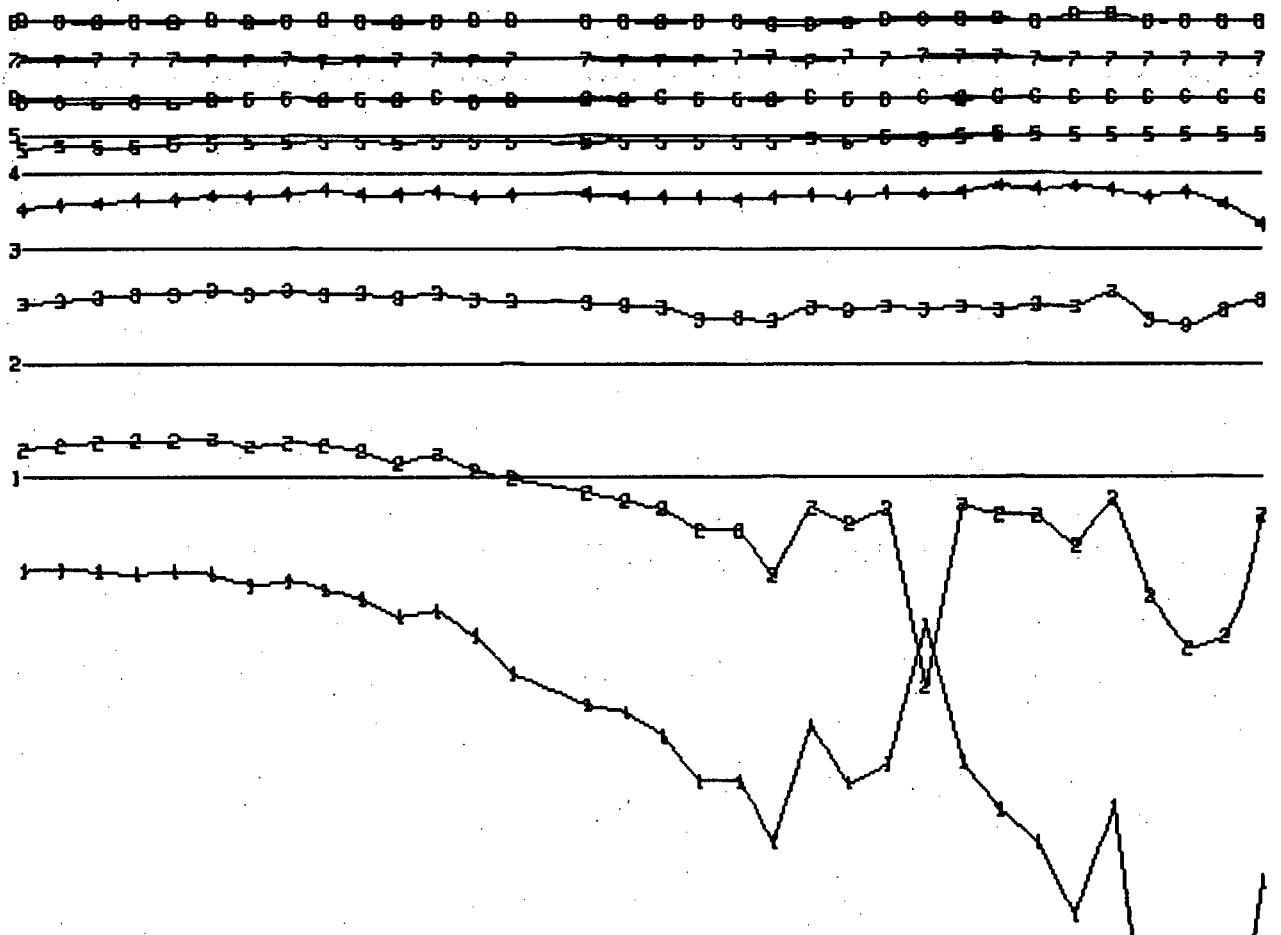
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 400E LOOP A

DATE: JUN/86      FIG.: 63

WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

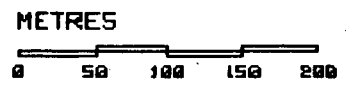
LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



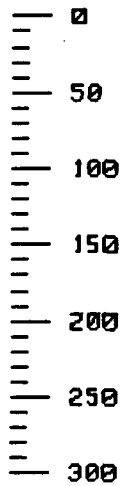
CANADIAN PAMNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 400E LOOP A

DATE: JUN/86 FIG.: 64

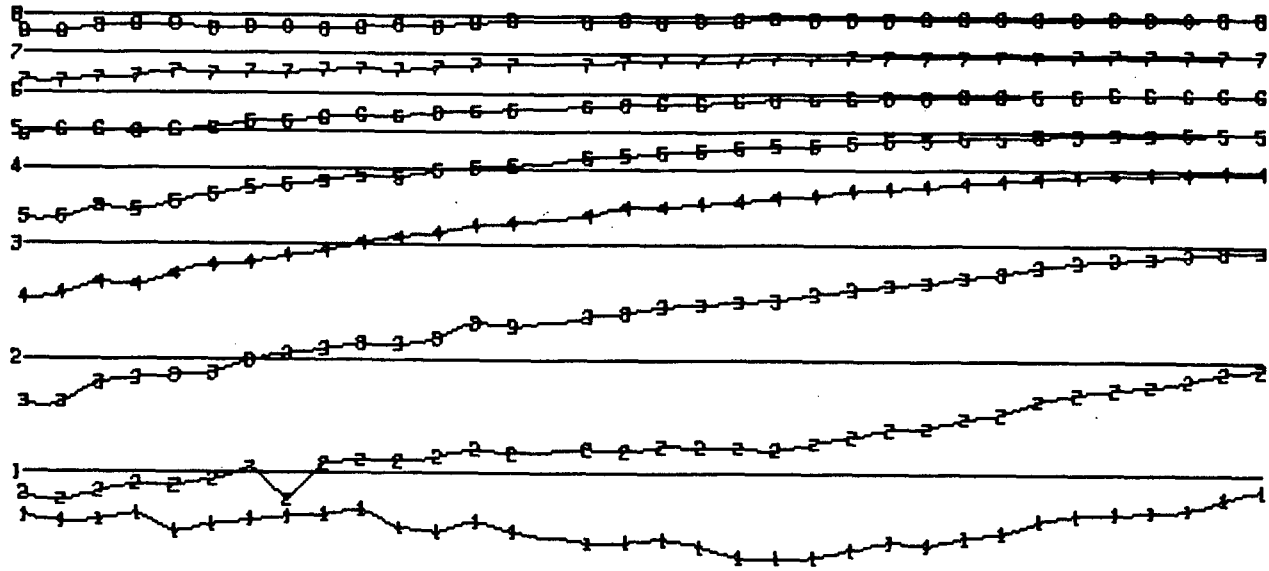
WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



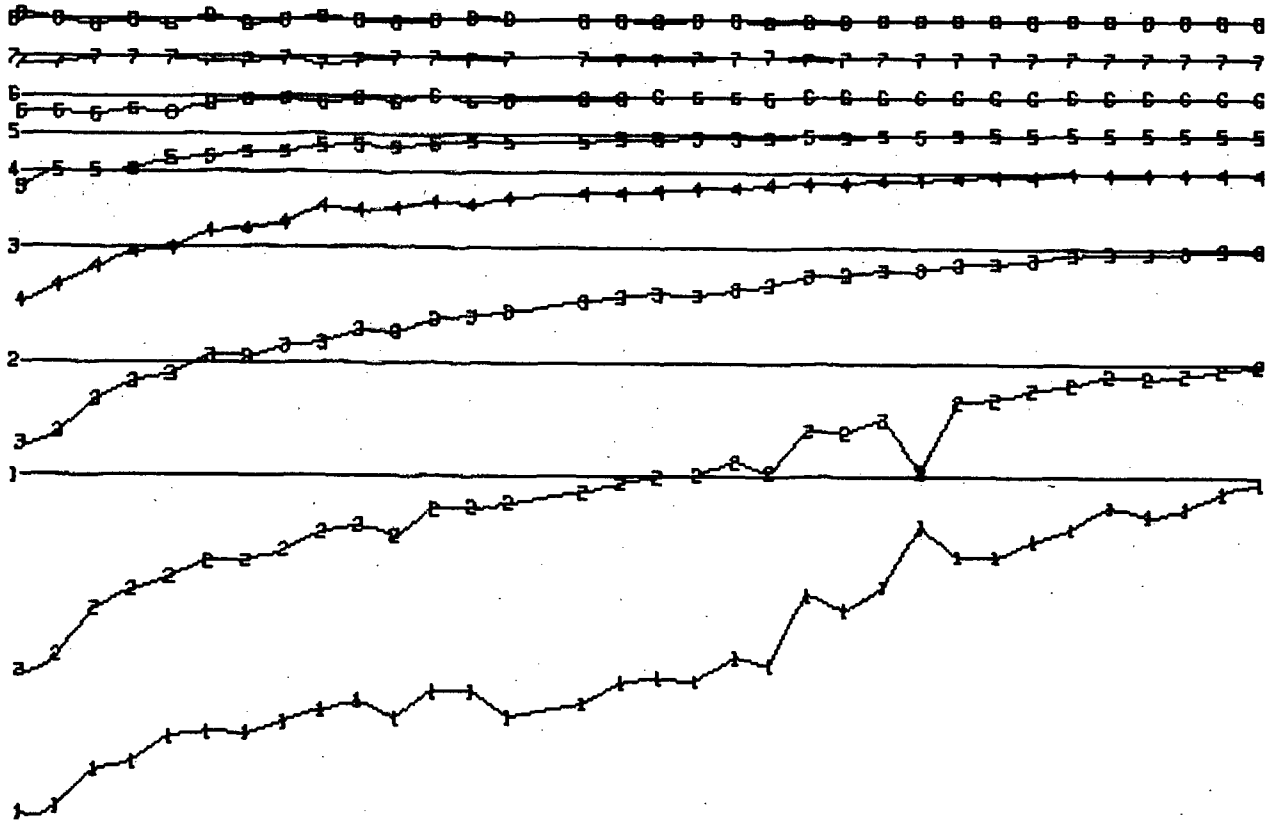
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 400E LOOP A

DATE: JUN/86      FIG.: 65

WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 400E LOOP A

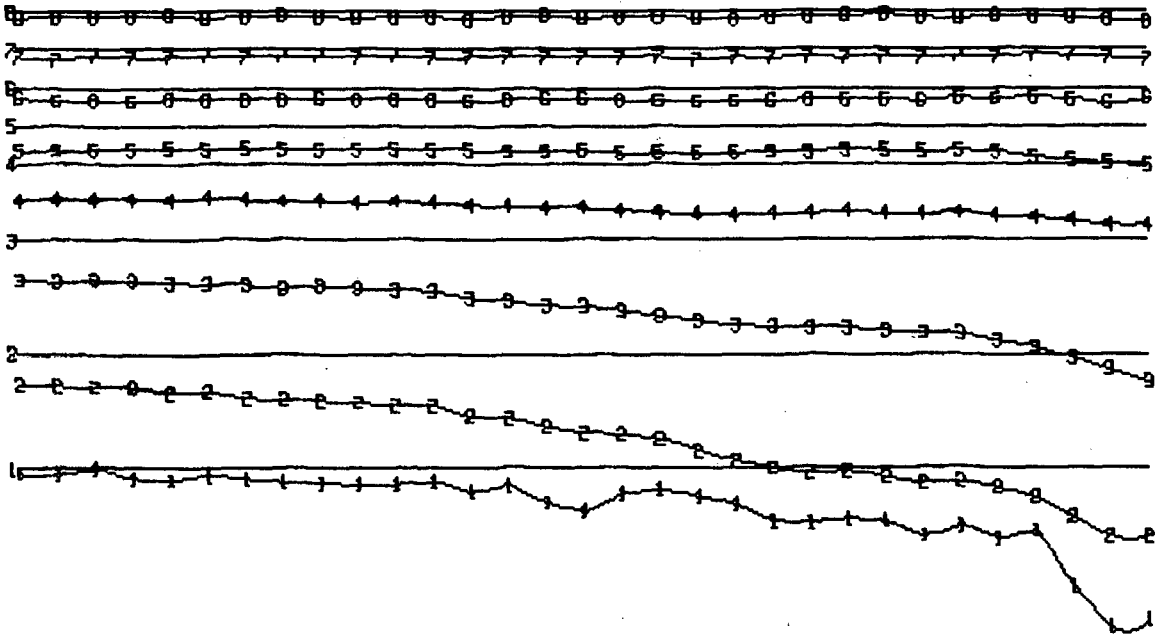
DATE: JUN/86

FIG.: 66

WHITE GEOPHYSICAL INC.

300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N  
25N  
0N  
25S  
50S  
75S  
100S  
125S  
150S  
175S  
200S  
225S  
250S  
275S  
300S  
325S  
350S  
375S  
400S  
425S  
450S

LOOP A



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 500E LOOP A

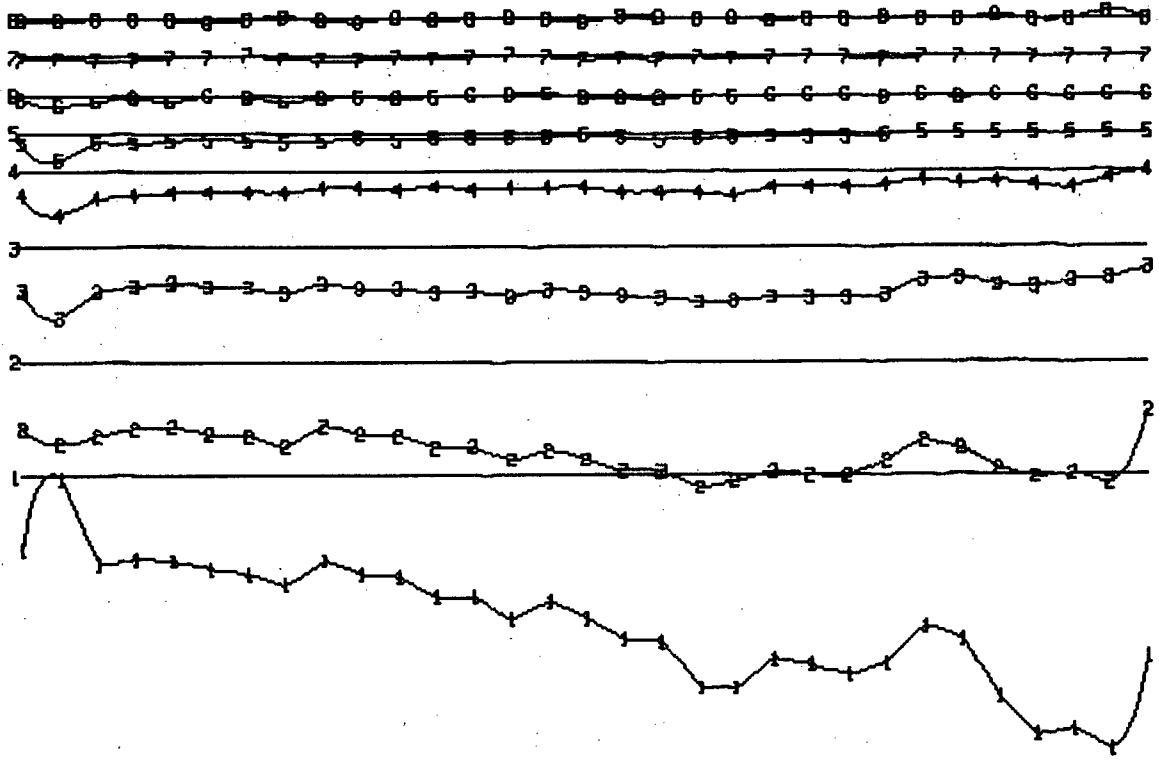
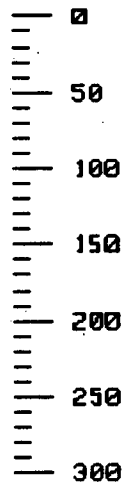
DATE: JUN/86

FIG.: 67

WHITE GEOPHYSICAL INC.

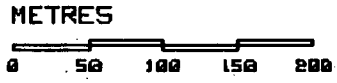
300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 500E LOOP A

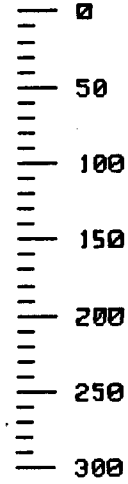
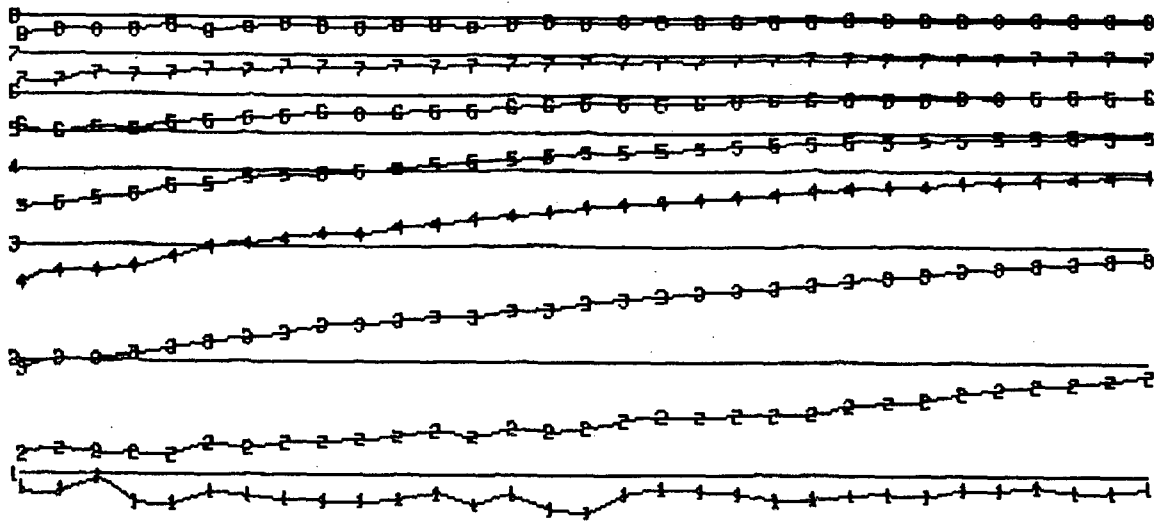
DATE: JUN/86      FIG.: 68

WHITE GEOPHYSICAL INC.



300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 500E LOOP A

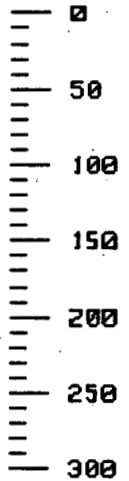
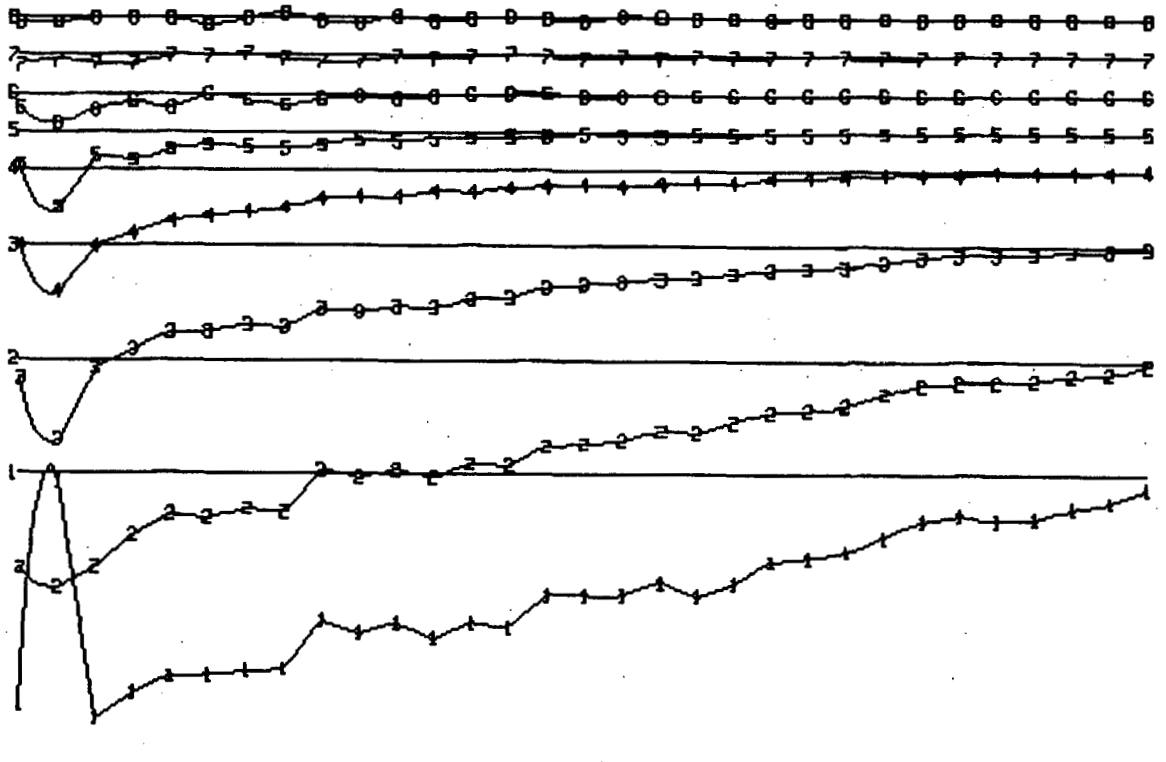
DATE: JUN/86

FIG.: 69

WHITE GEOPHYSICAL INC.

300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP A



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 500E LOOP A

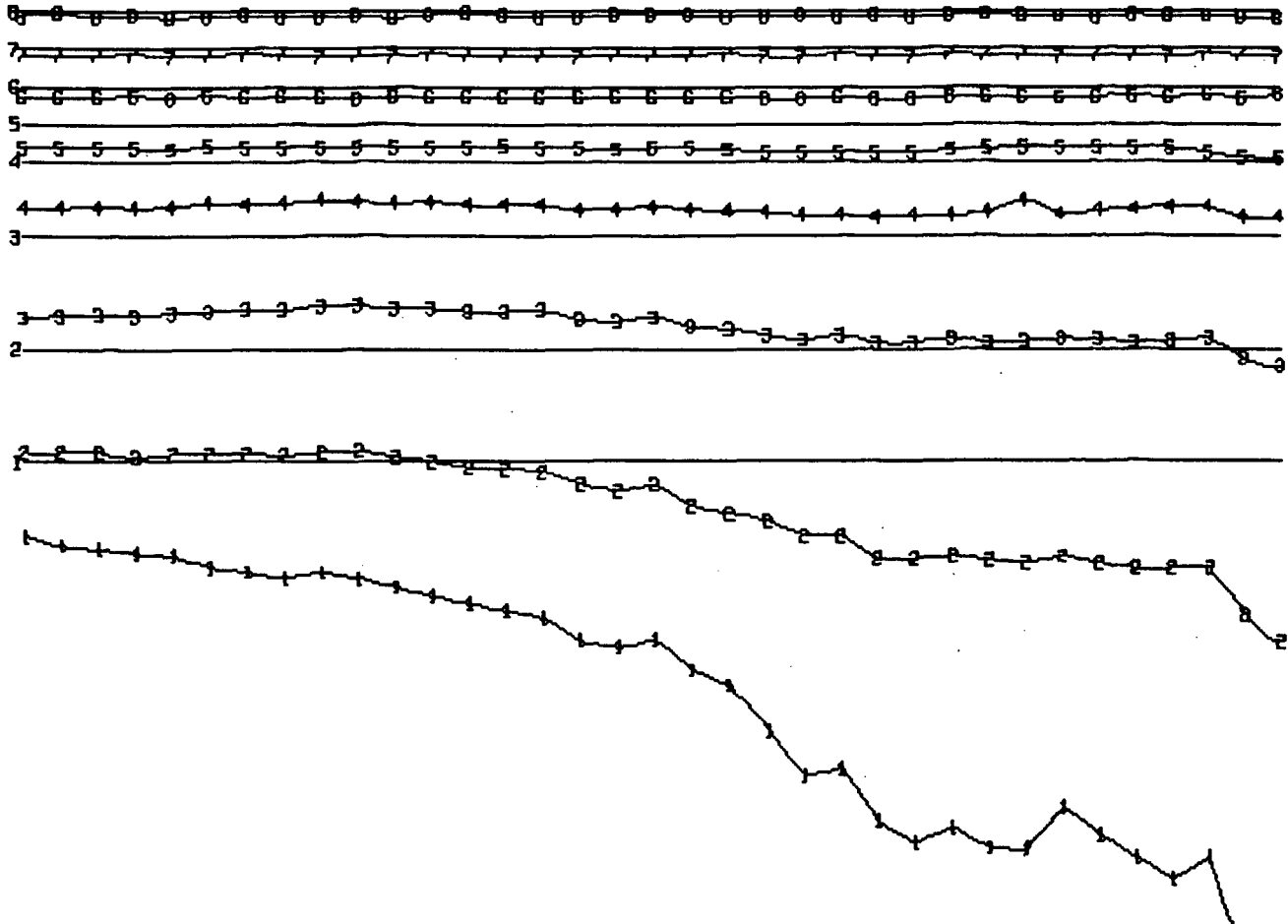
DATE: JUN/86

FIG.: 70

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

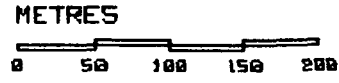
LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 600E LOOP B

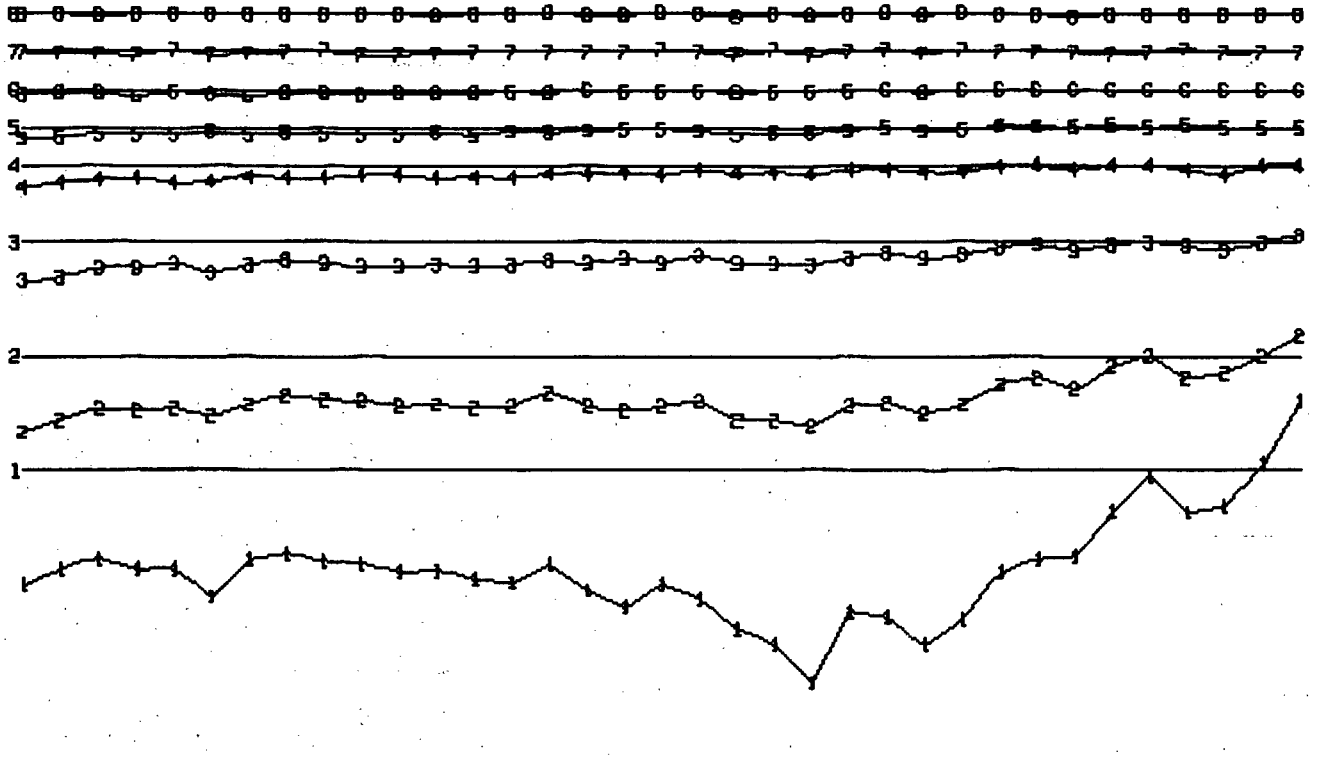
DATE: JUN/86      FIG.: 71

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

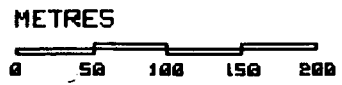
LOOP B

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



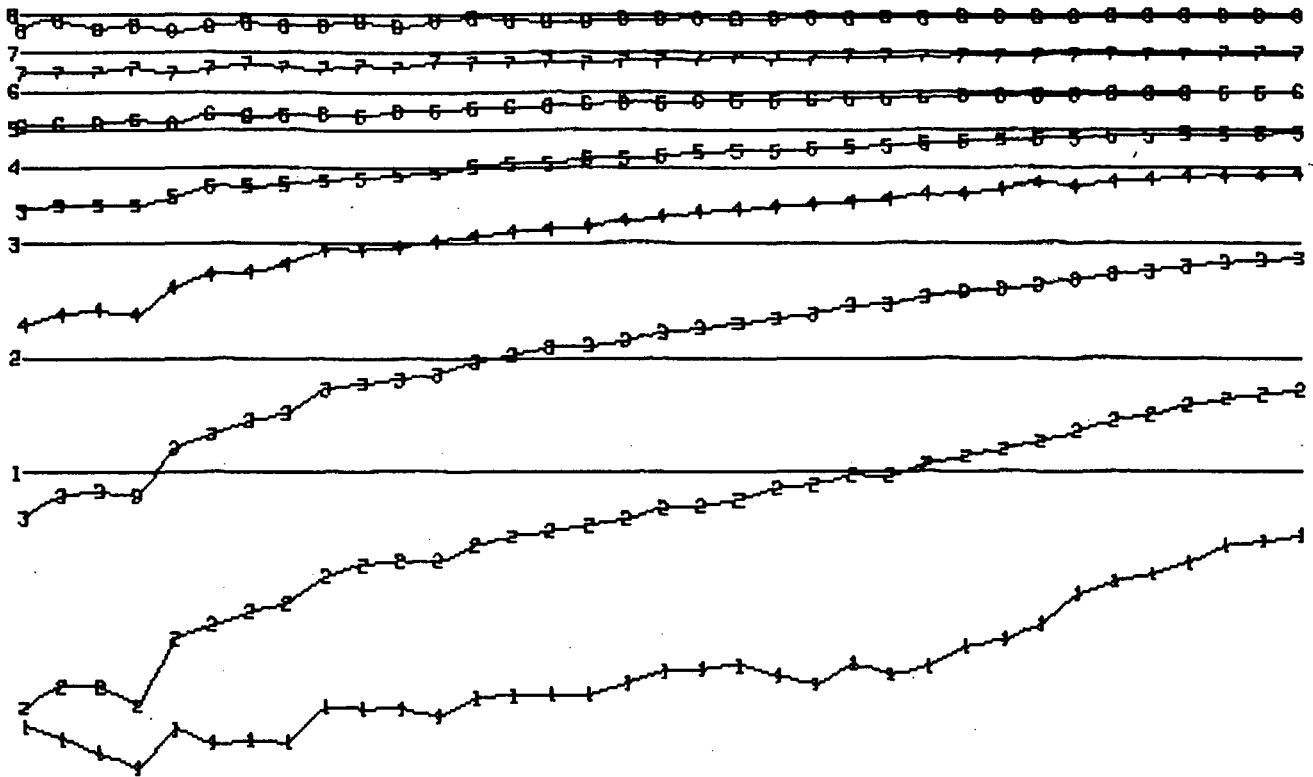
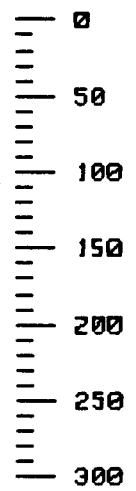
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 600E LOOP B

DATE: JUN/86      FIG.: 72

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PANWEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 600E LOOP B

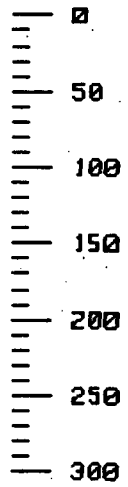
DATE: JUN/86

FIG.: 73

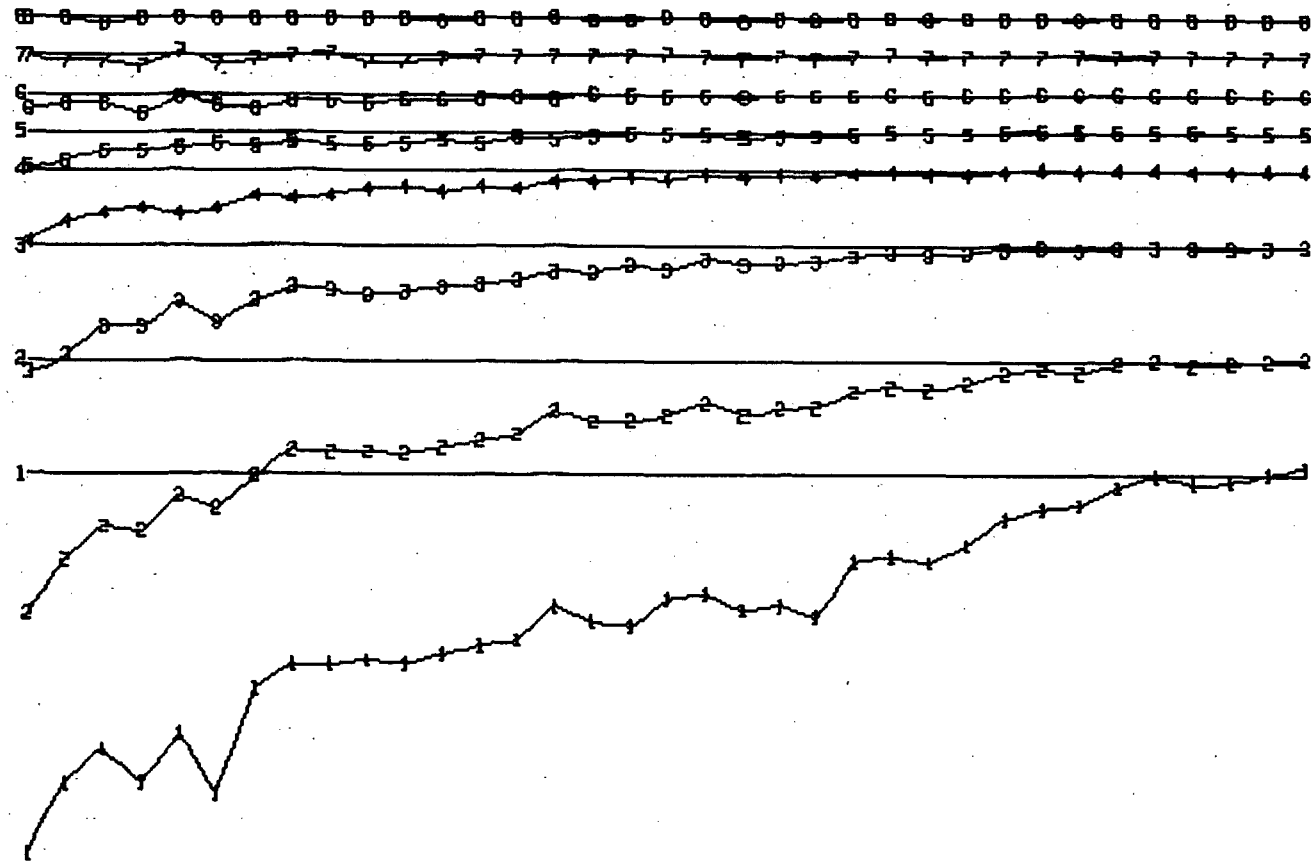
WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

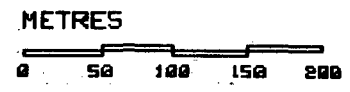
LOOP B



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



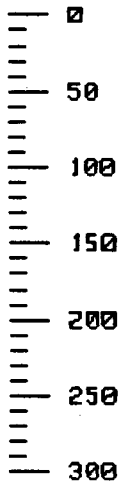
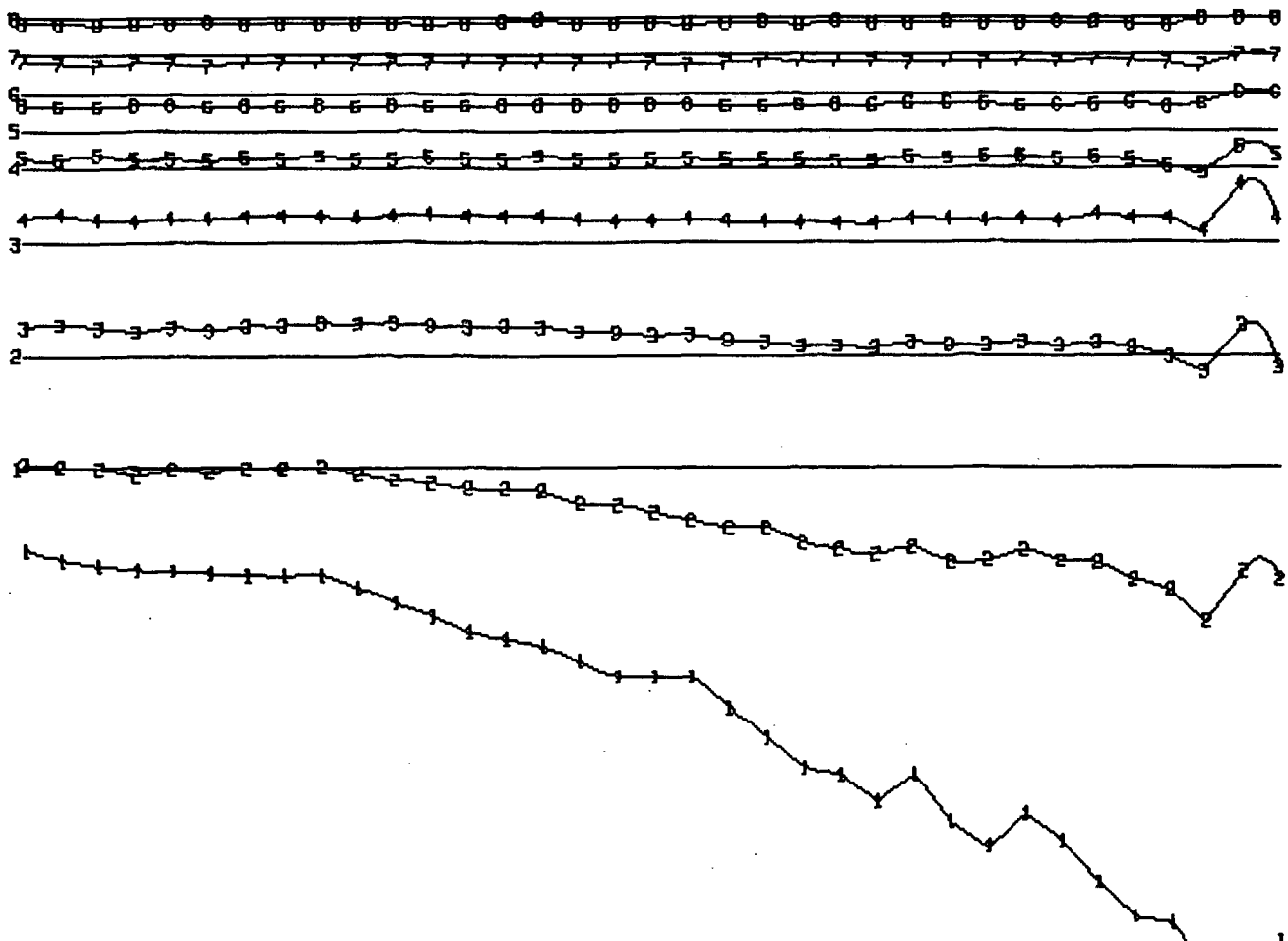
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 600E LOOP B

DATE: JUN/86 FIG.: 74

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 700E LOOP B

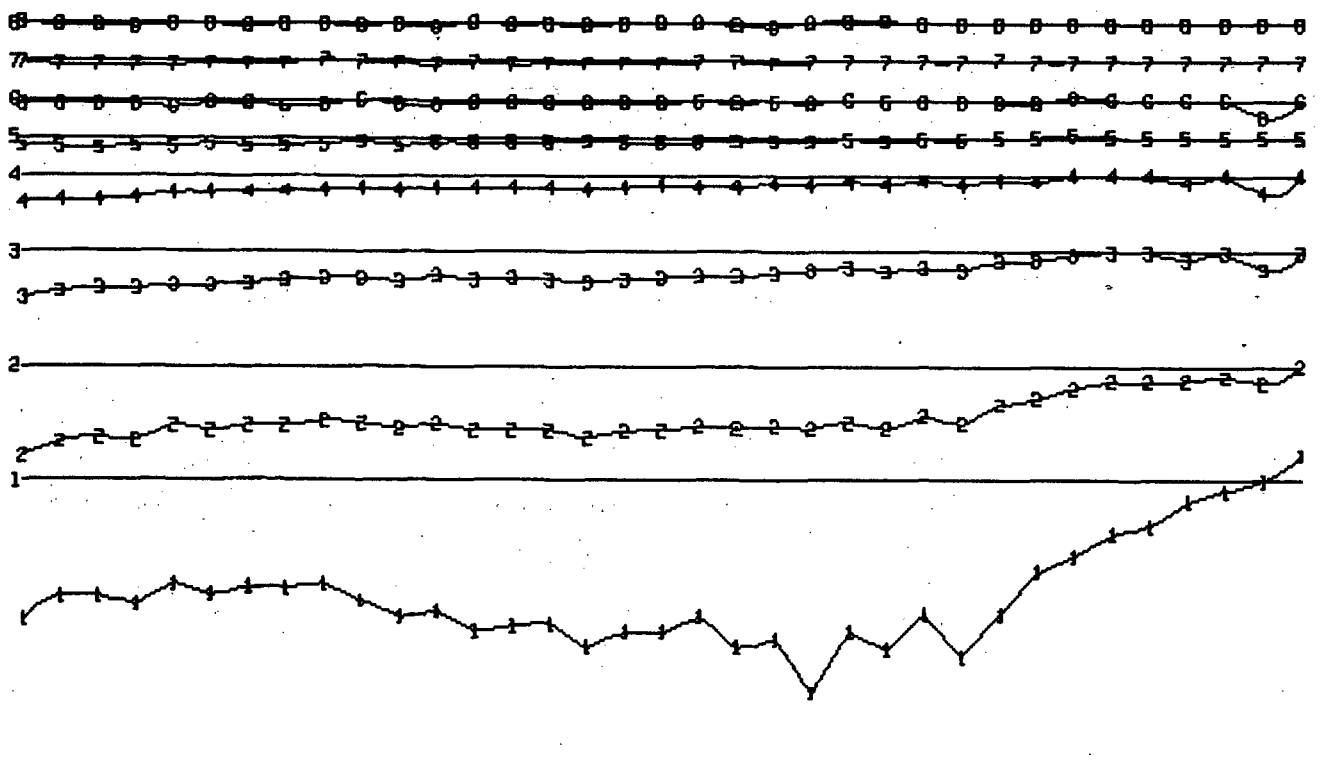
DATE: JUN/86

FIG.: 75

WHITE GEOPHYSICAL INC.

400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N  
25N  
0N  
25S  
50S  
75S  
100S  
125S  
150S  
175S  
200S  
225S  
250S  
275S  
300S  
325S  
350S  
375S  
400S  
425S  
450S

LOOP B



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 700E LOOP B

DATE: JUN/86

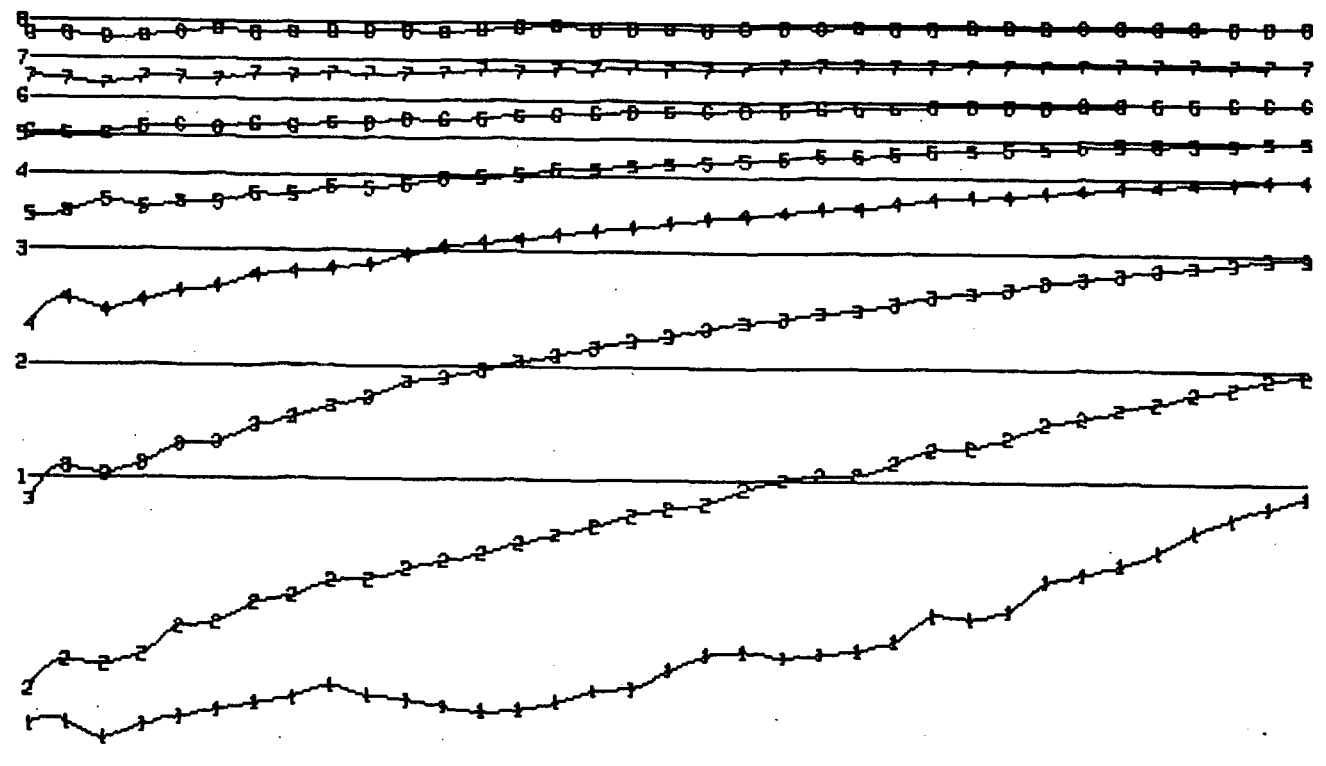
FIG.: 76

WHITE GEOPHYSICAL INC.



400N  
375N  
350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N  
25N  
0N  
25S  
50S  
75S  
100S  
125S  
150S  
175S  
200S  
225S  
250S  
275S  
300S  
325S  
350S  
375S  
400S  
425S  
450S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



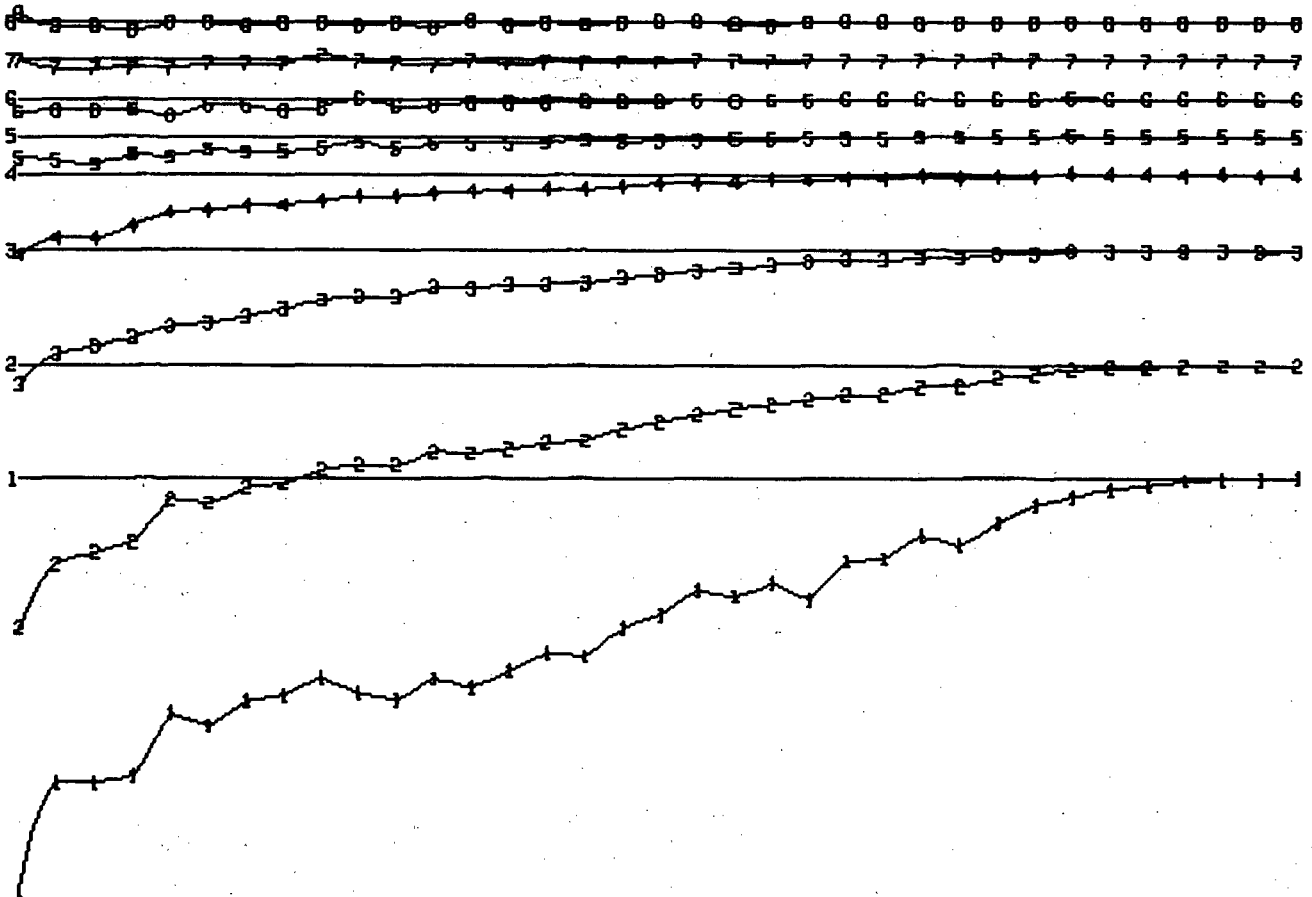
CANADIAN PRAIRIE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 700E LOOP B

DATE: JUN/86      FIG.: 77

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 255 505 755 1005 1255 1505 1755 2005 2255 2505 2755 3005 3255 3505 3755 4005 4255 4505

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 700E LOOP B

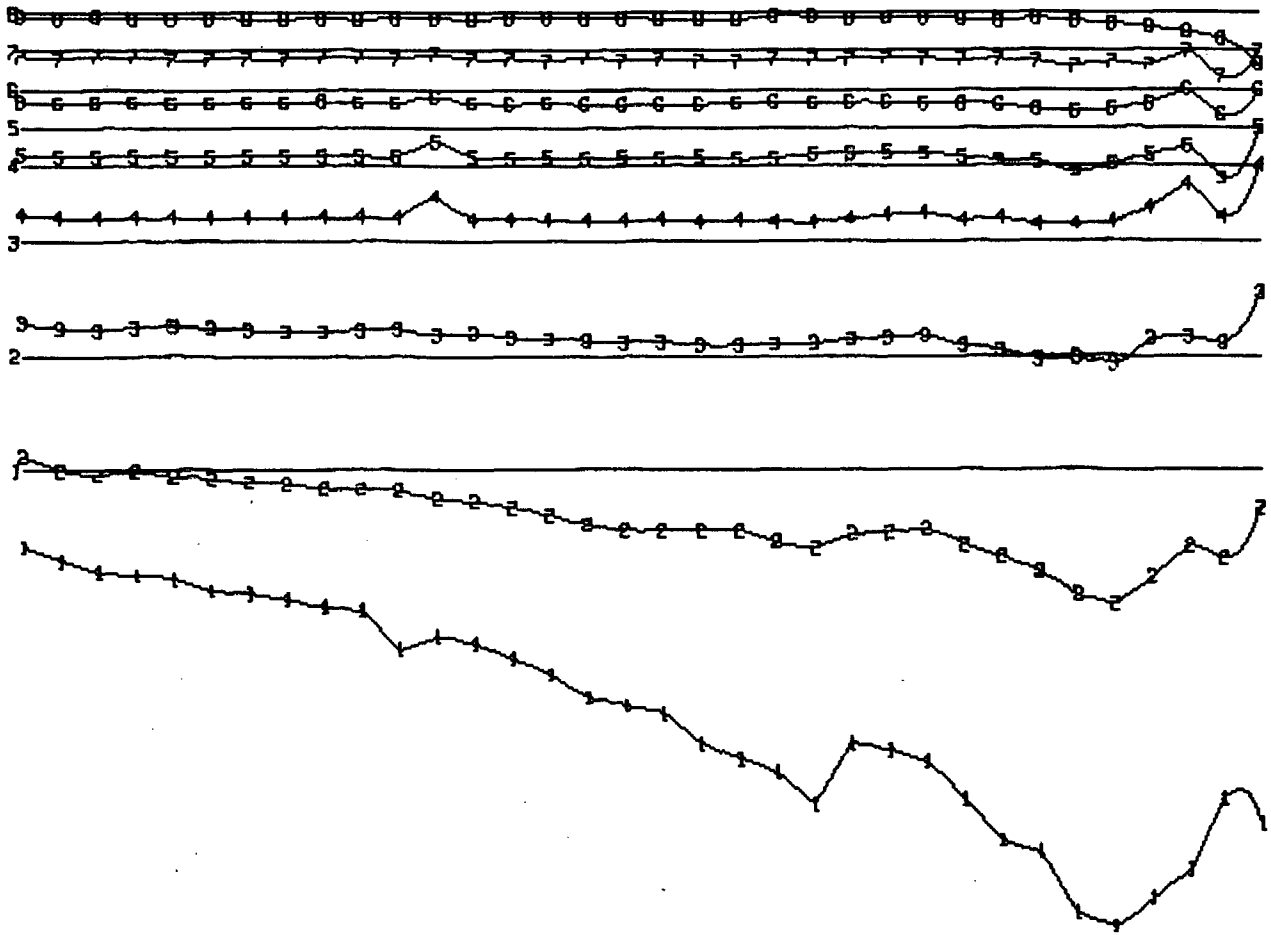
DATE: JUN/86

FIG.: 78

WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



CONSTANT GAIN DATA, G=(100%)  
 NUMBER IN LINE: CHANNEL NUMBER  
 INSTRUMENT: CRONE P.E.M.



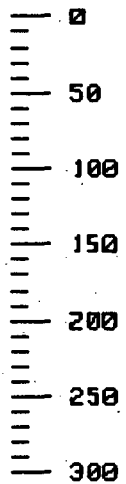
CANADIAN PAWNEE OIL CORP.  
 LEXINGTON PROPERTY  
 PULSE ELECTROMAGNETOMETER SURVEY  
 VERTICAL COMPONENT  
 LINE 800E LOOP B

DATE: JUN/86      FIG.: 79

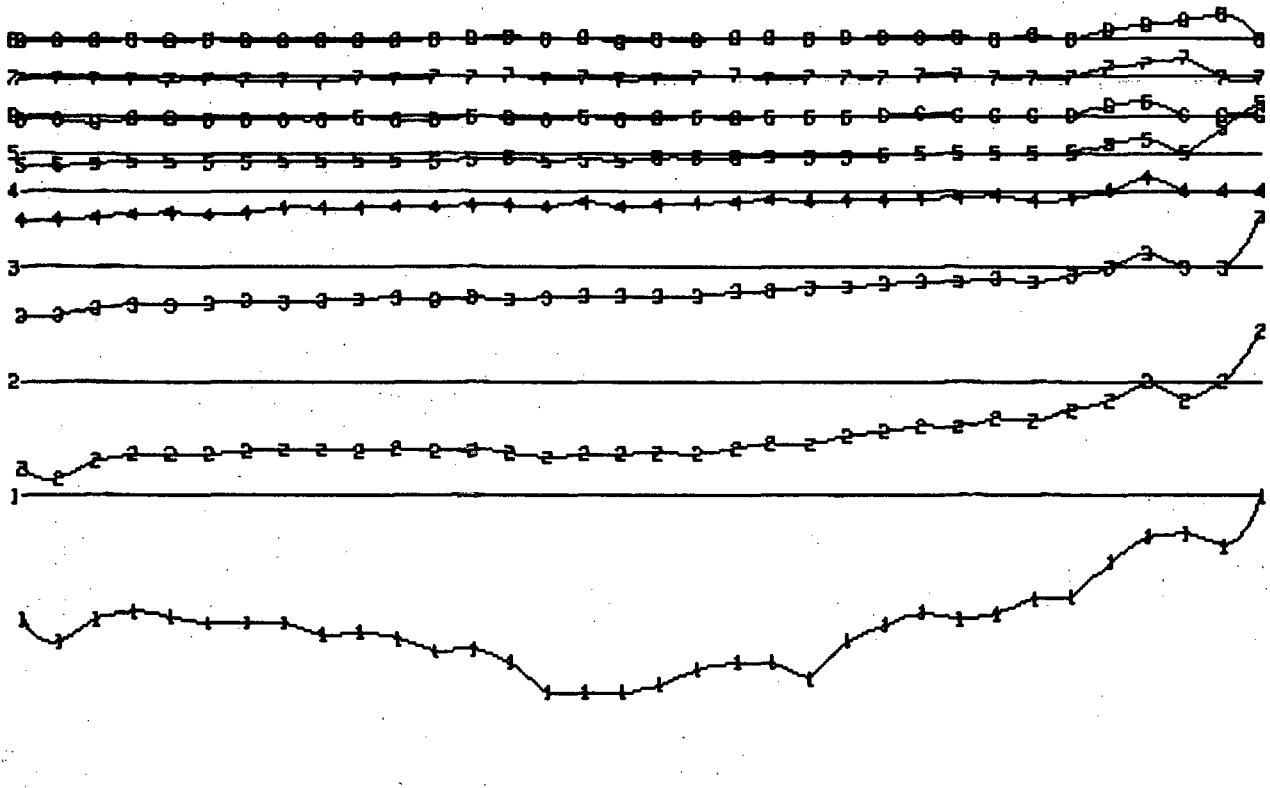
WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 800E LOOP B

DATE: JUN/86

FIG.: 80

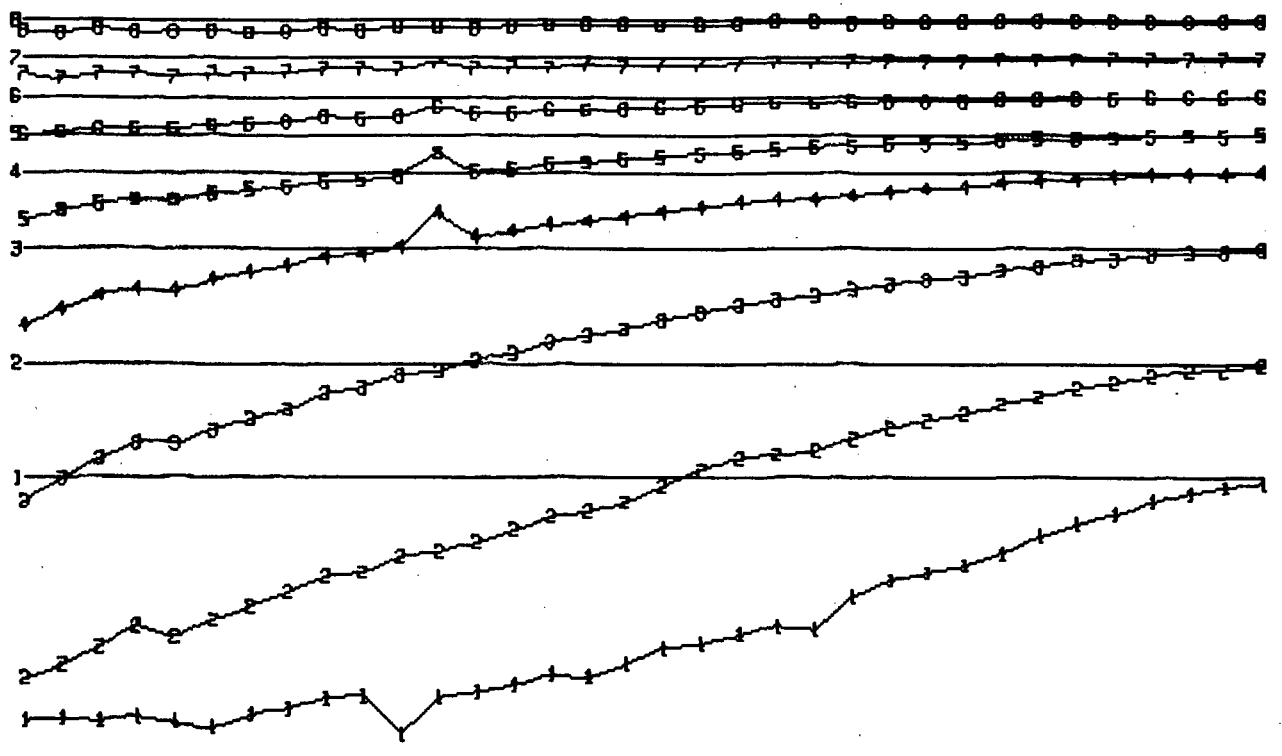
WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B

0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



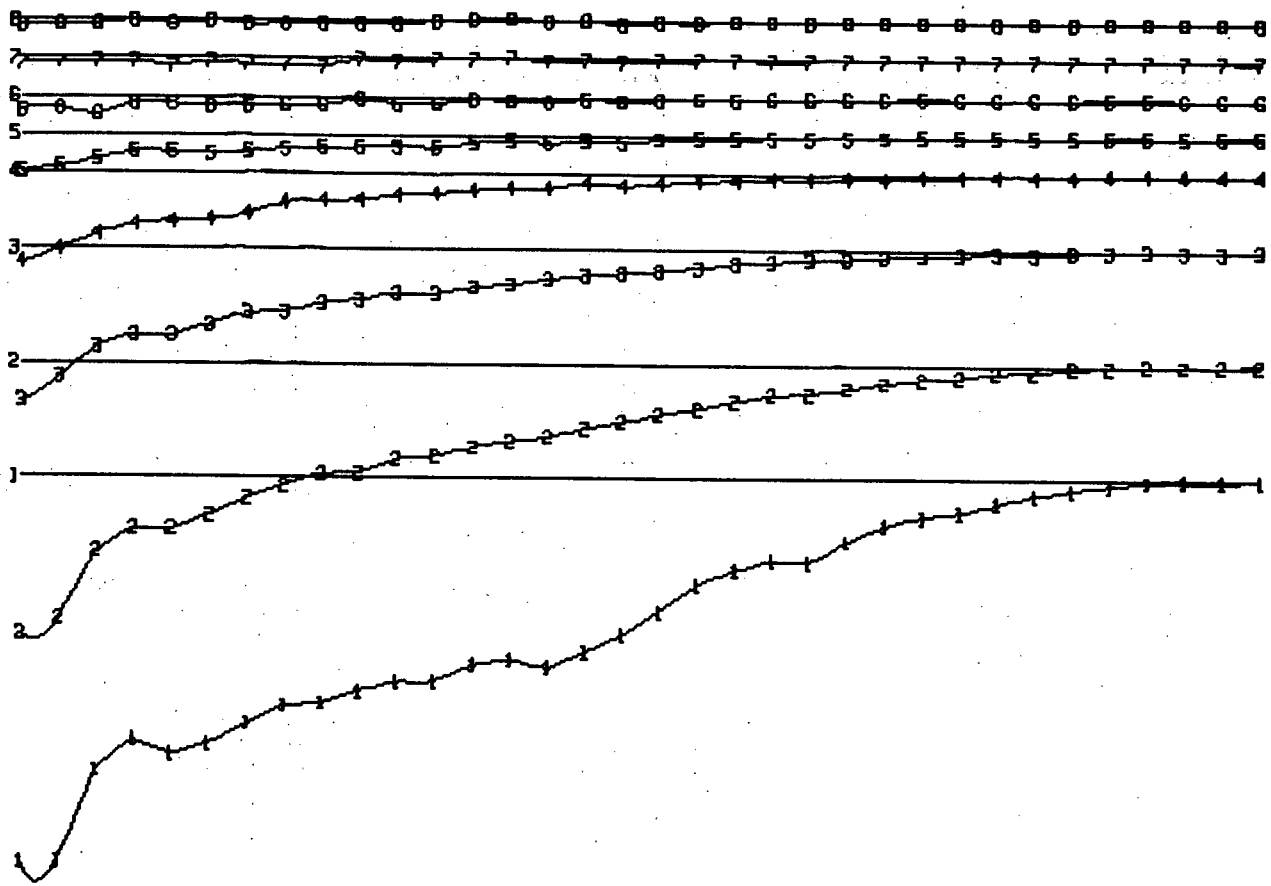
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETIC SURVEY  
VERTICAL COMPONENT  
LINE 000E LOOP B

DATE: JUN/86      FIG.: 81

WHITE GEOPHYSICAL INC.

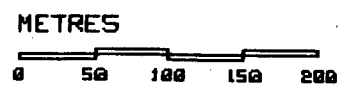
375N 350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



0  
50  
100  
150  
200  
250  
300  
SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



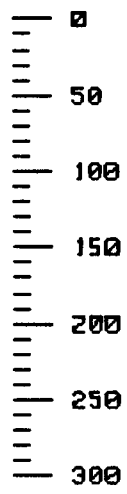
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 800E LOOP B

DATE: JUN/86      FIG.: 82

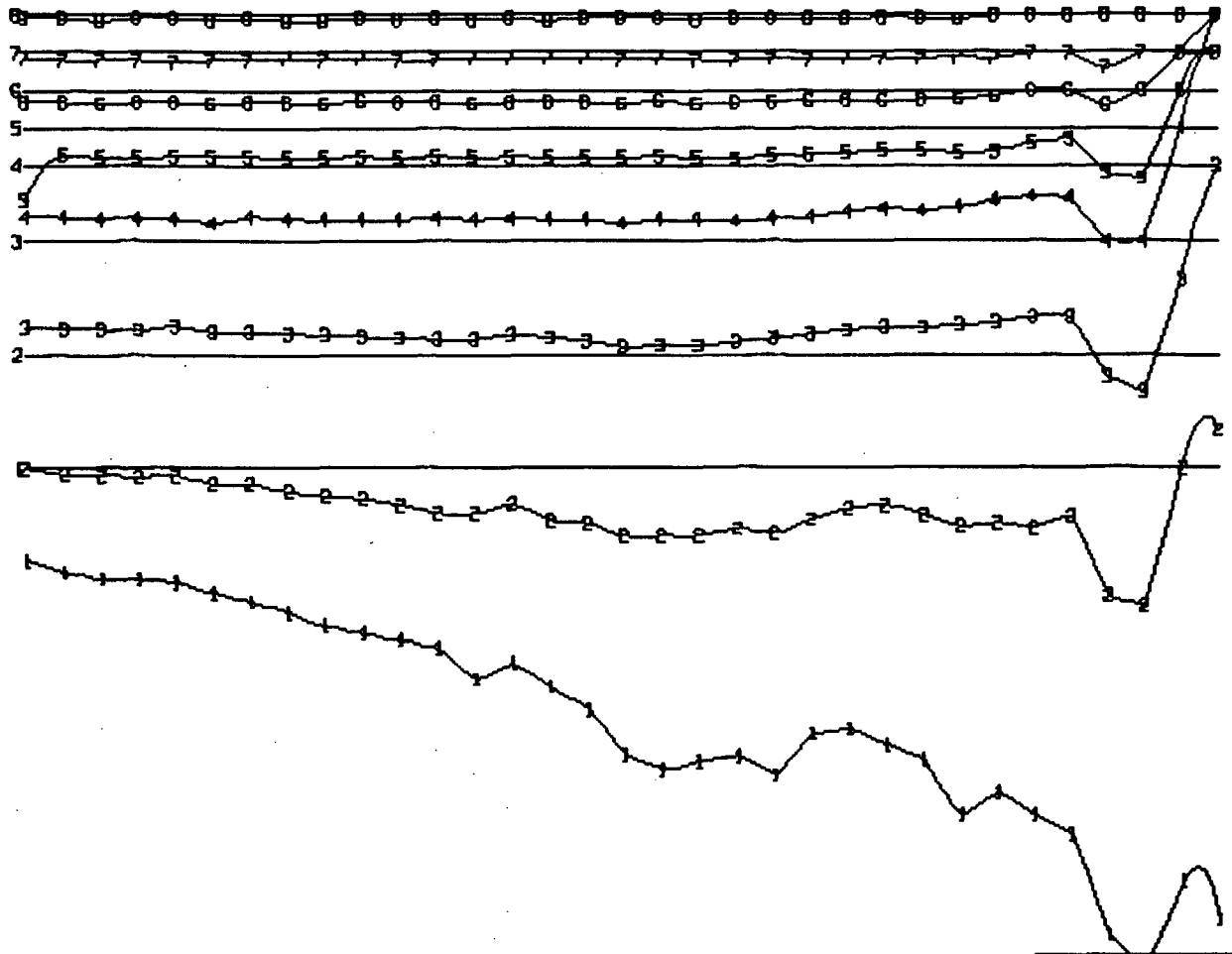
WHITE GEOPHYSICAL INC.

350N  
325N  
300N  
275N  
250N  
225N  
200N  
175N  
150N  
125N  
100N  
75N  
50N  
25N  
0N  
25S  
50S  
75S  
100S  
125S  
150S  
175S  
200S  
225S  
250S  
275S  
300S  
325S  
350S  
375S  
400S  
425S  
450S

LOOP B



SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 900E LOOP B

DATE: JUN/86

FIG.: 83

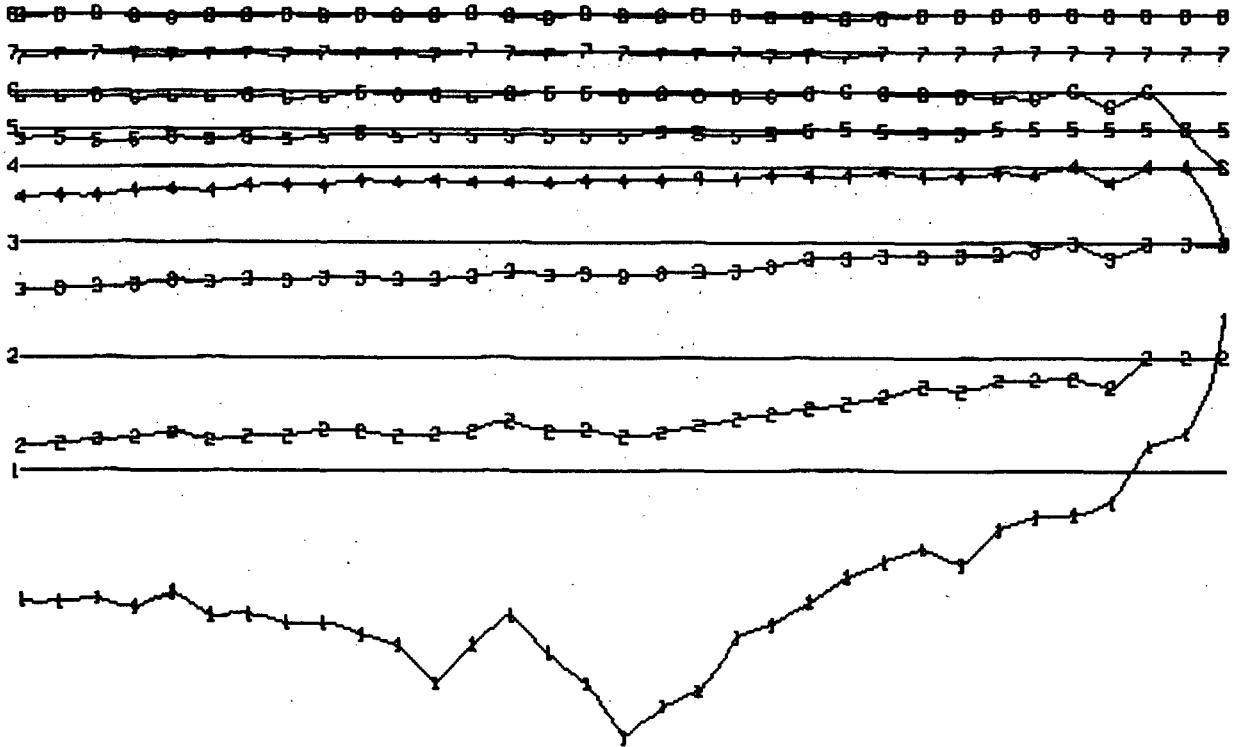
WHITE GEOPHYSICAL INC.

350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B

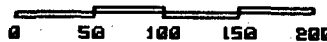


SCALE  
P.P.K.  
+ OR -



CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 900E LOOP B

DATE: JUN/86

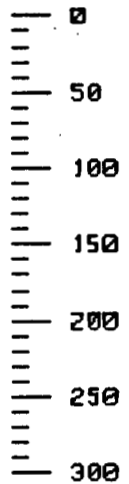
FIG.: 84

WHITE GEOPHYSICAL INC.

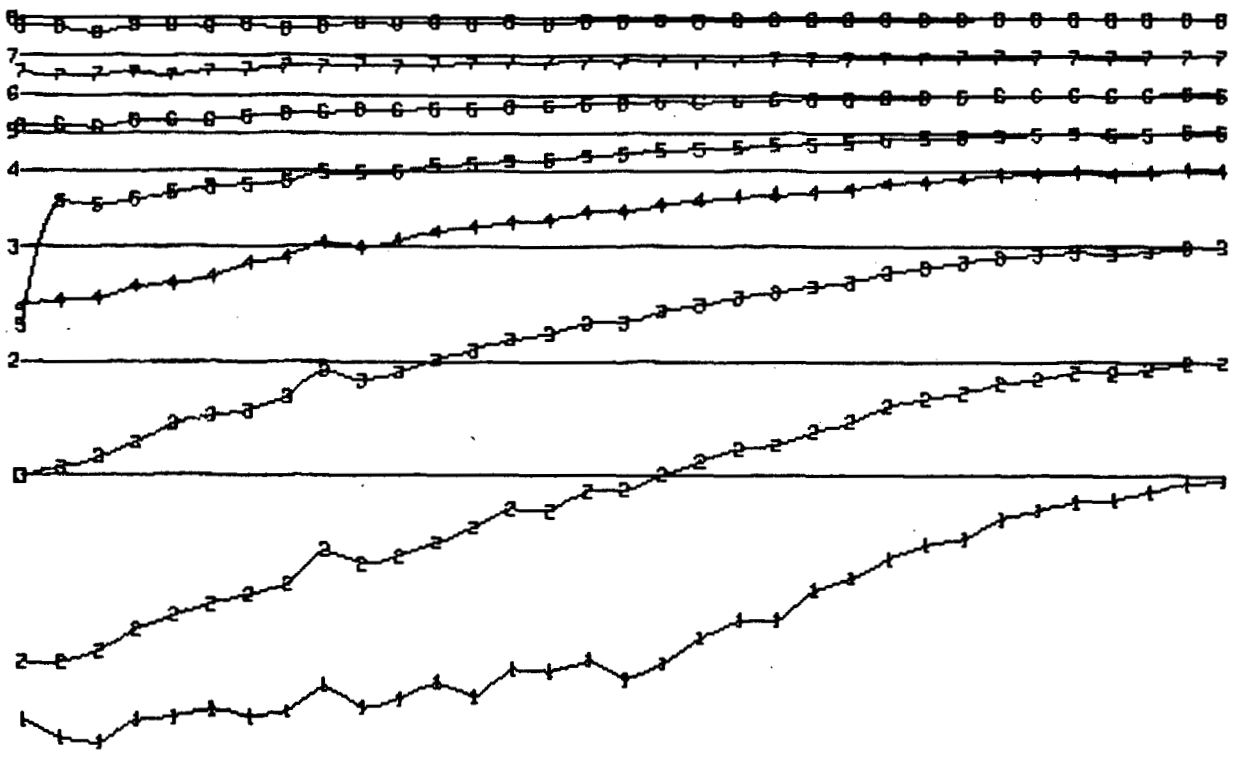


350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

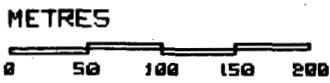
LOOP B



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



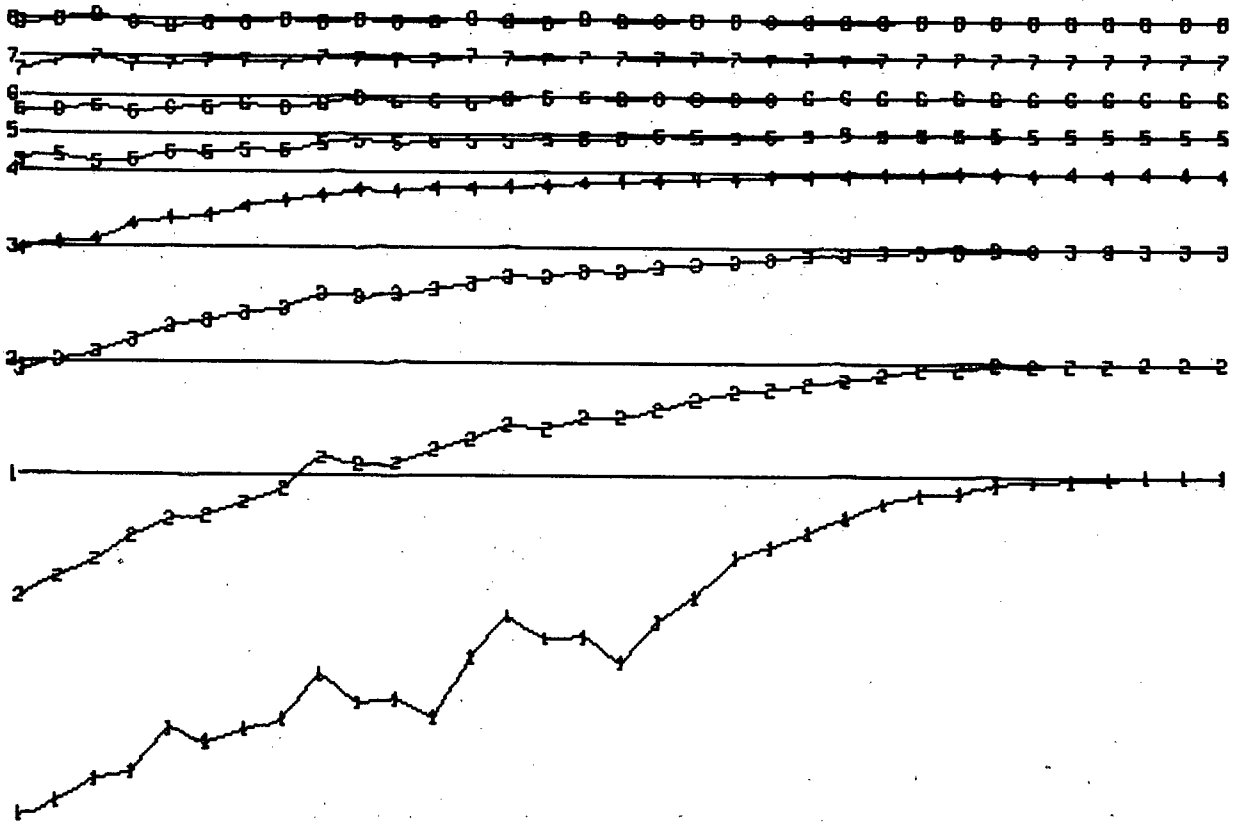
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 300E LOOP B

DATE: JUN/86      FIG.: 85

WHITE GEOPHYSICAL INC.

350N 325N 300N 275N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 900E LOOP B

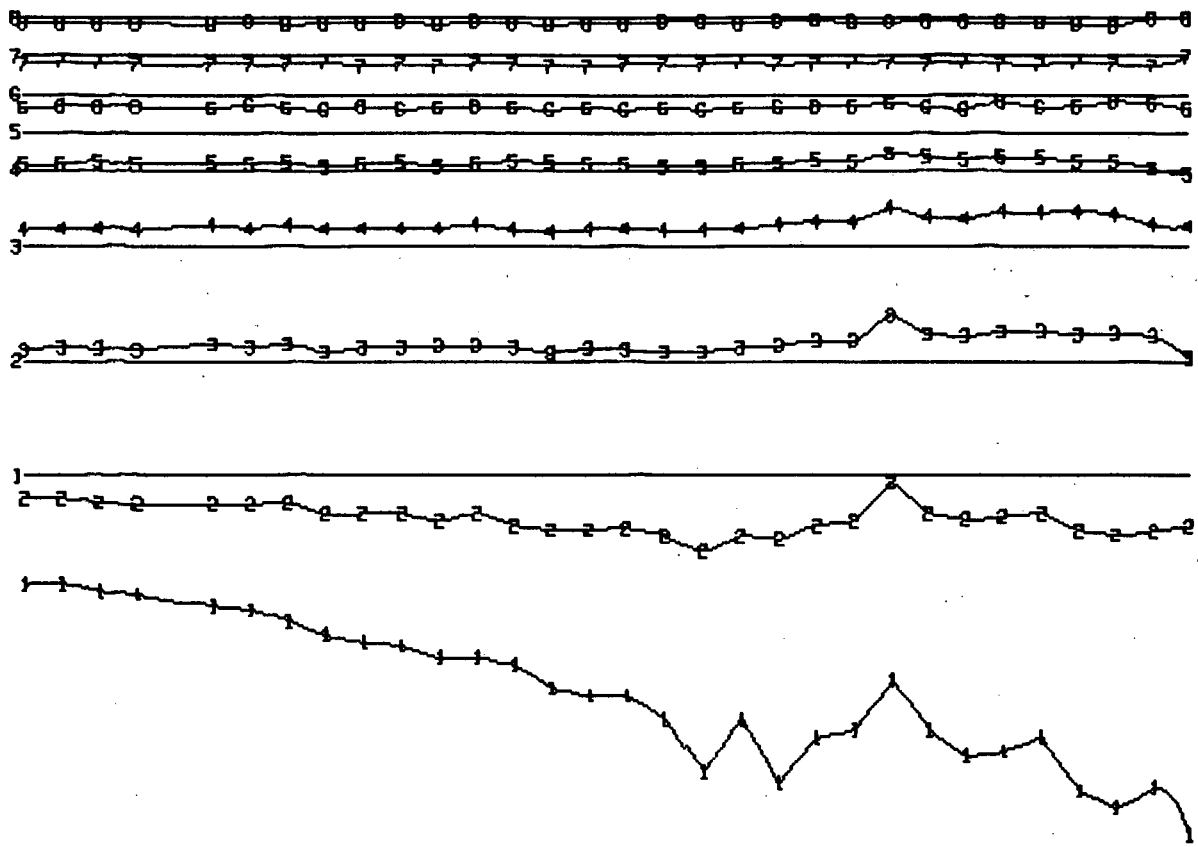
DATE: JUN/86

FIG.: 86

WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAMNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1000E LOOP B

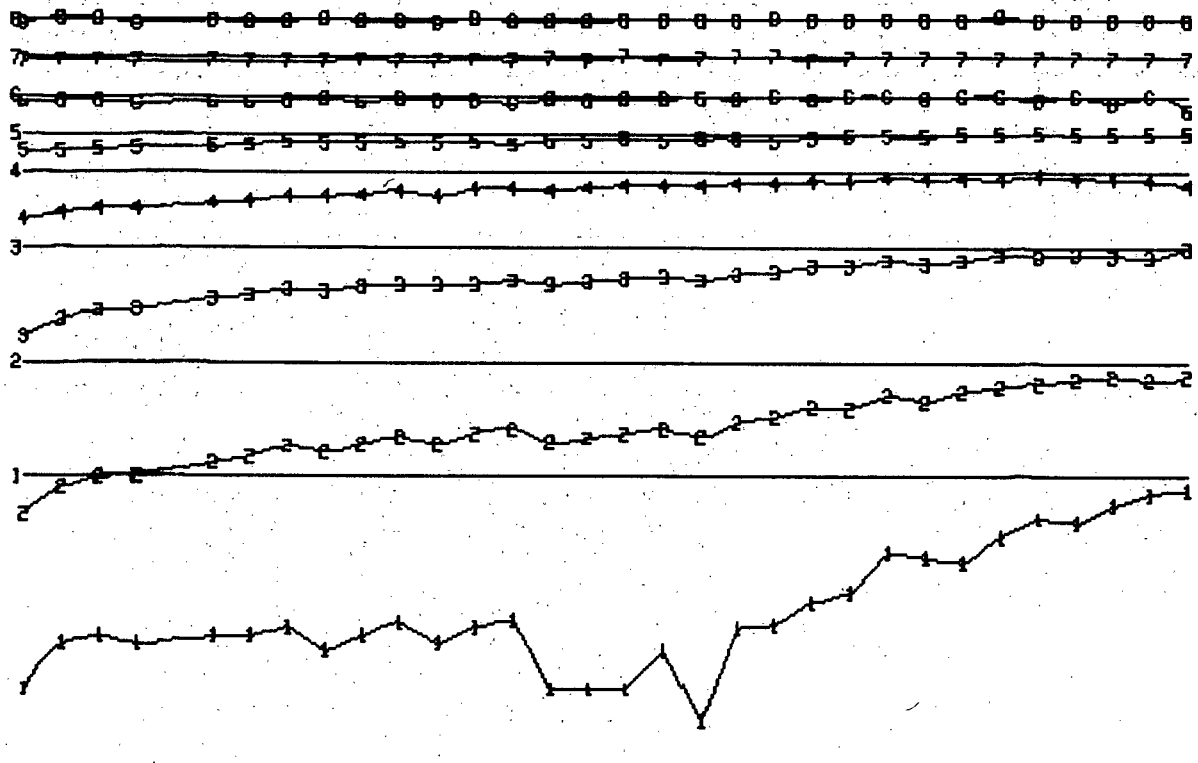
DATE: JUN/86

FIG.: 87

WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



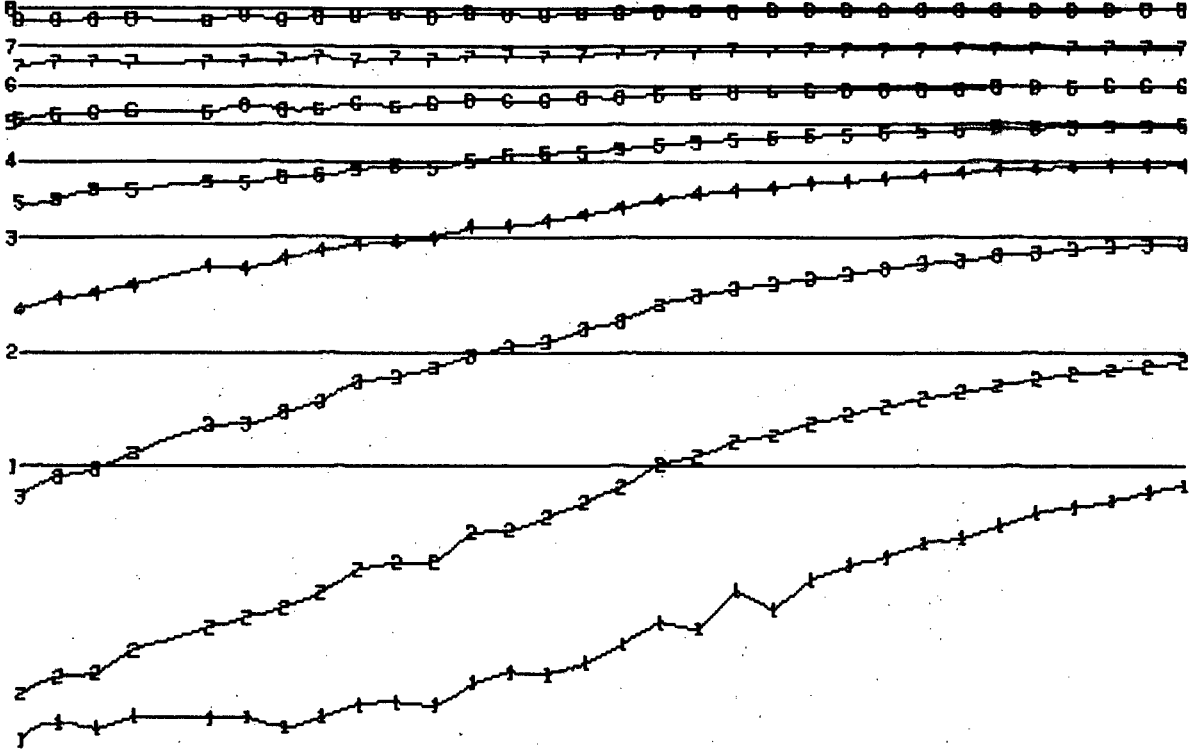
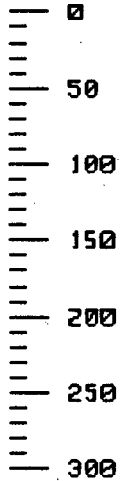
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1000E LOOP B

DATE: JUN/86 FIG.: 88

WHITE GEOPHYSICAL INC.

375N 350N 325N 300E 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100E 125S 150S 175S 200E 225S 250E 275S 300E 325S 350S 375S 400E

LOOP B



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1000E LOOP B

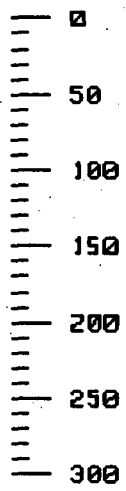
DATE: JUN/86

FIG.: 89

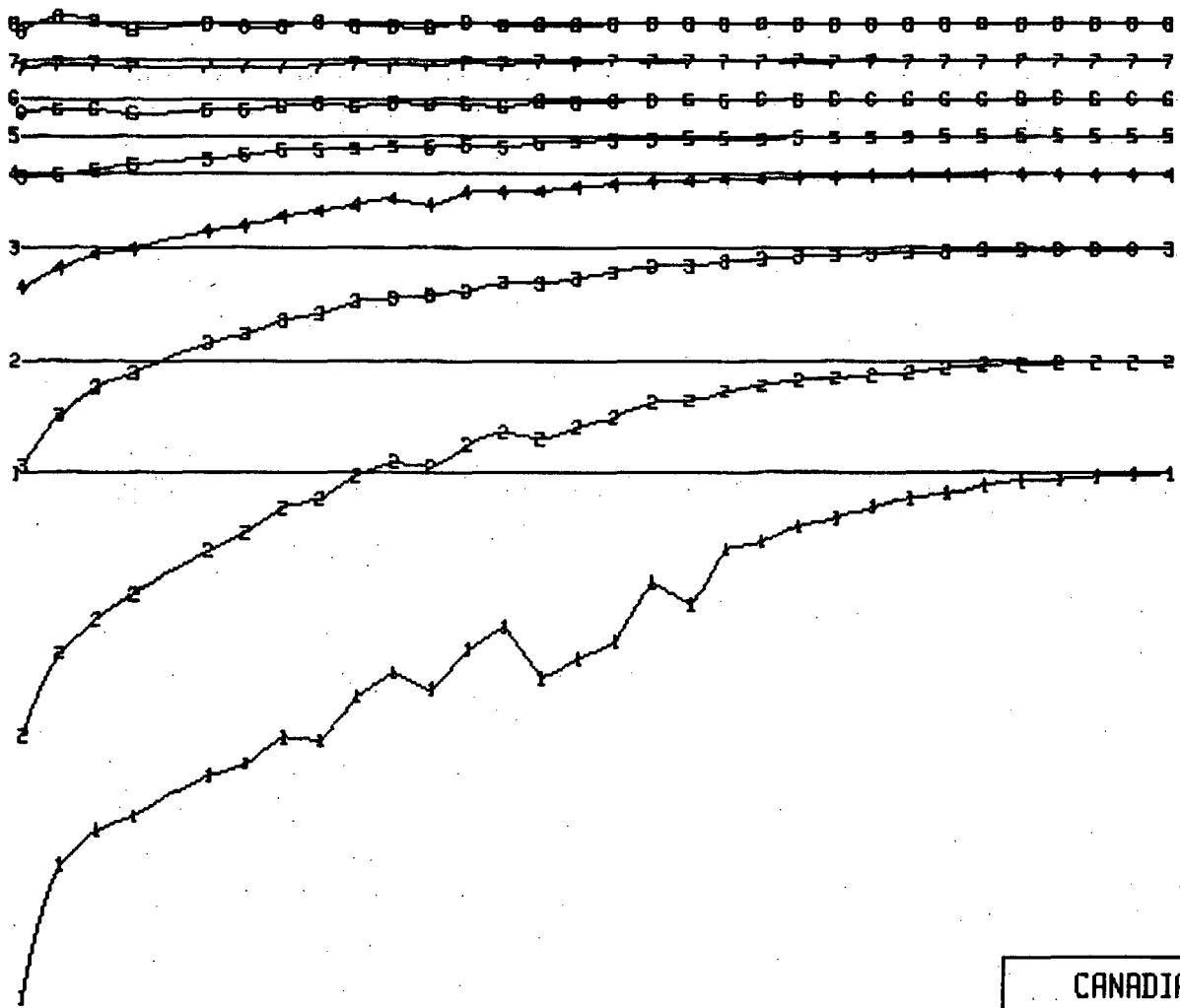
WHITE GEOPHYSICAL INC.

375N 350N 325N 300N 250N 225N 200N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S

LOOP B



SCALE  
P.P.K.  
+ OR -



PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1000E LOOP B

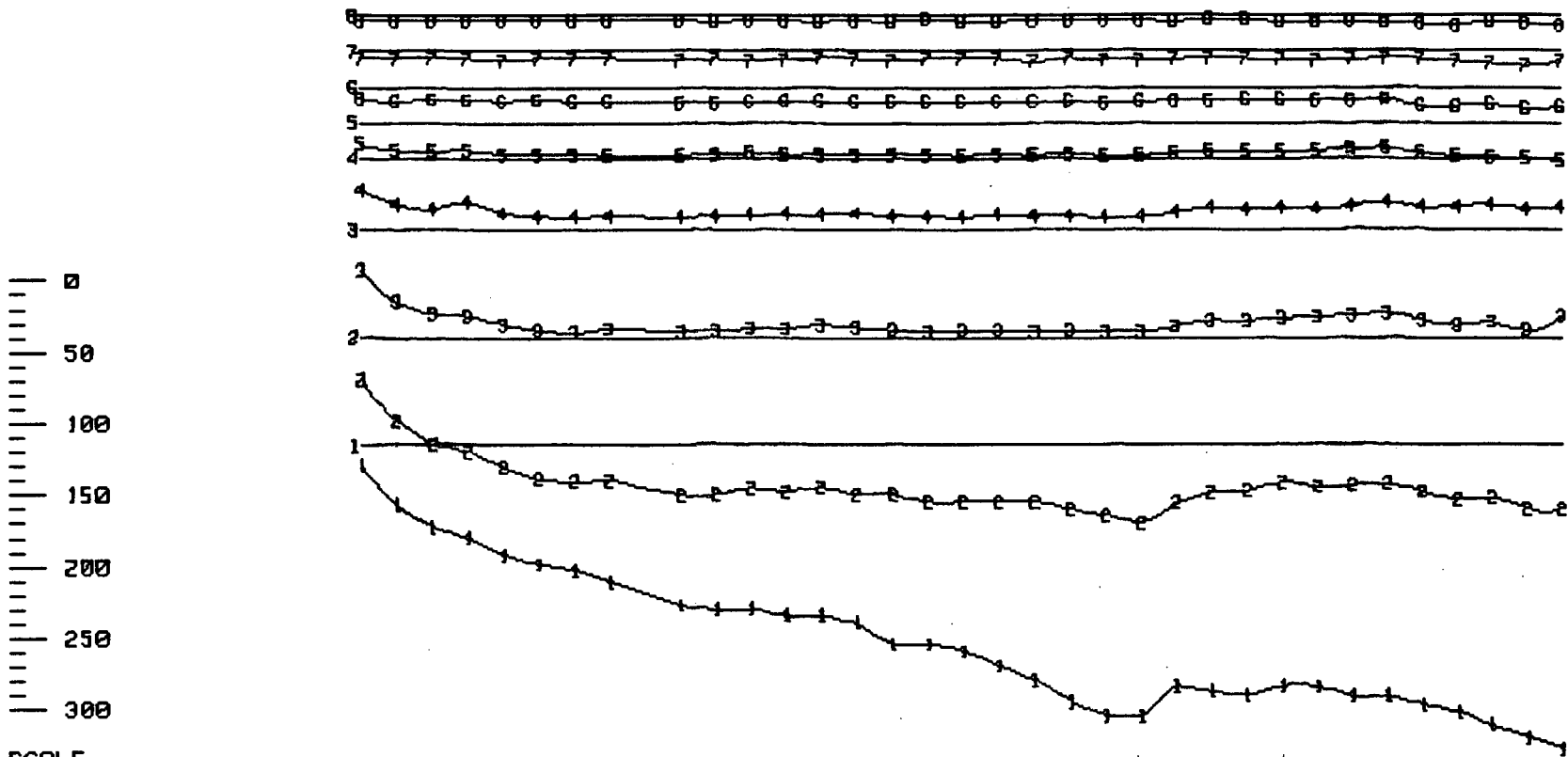
DATE: JUN/86

FIG.: 90

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G=(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



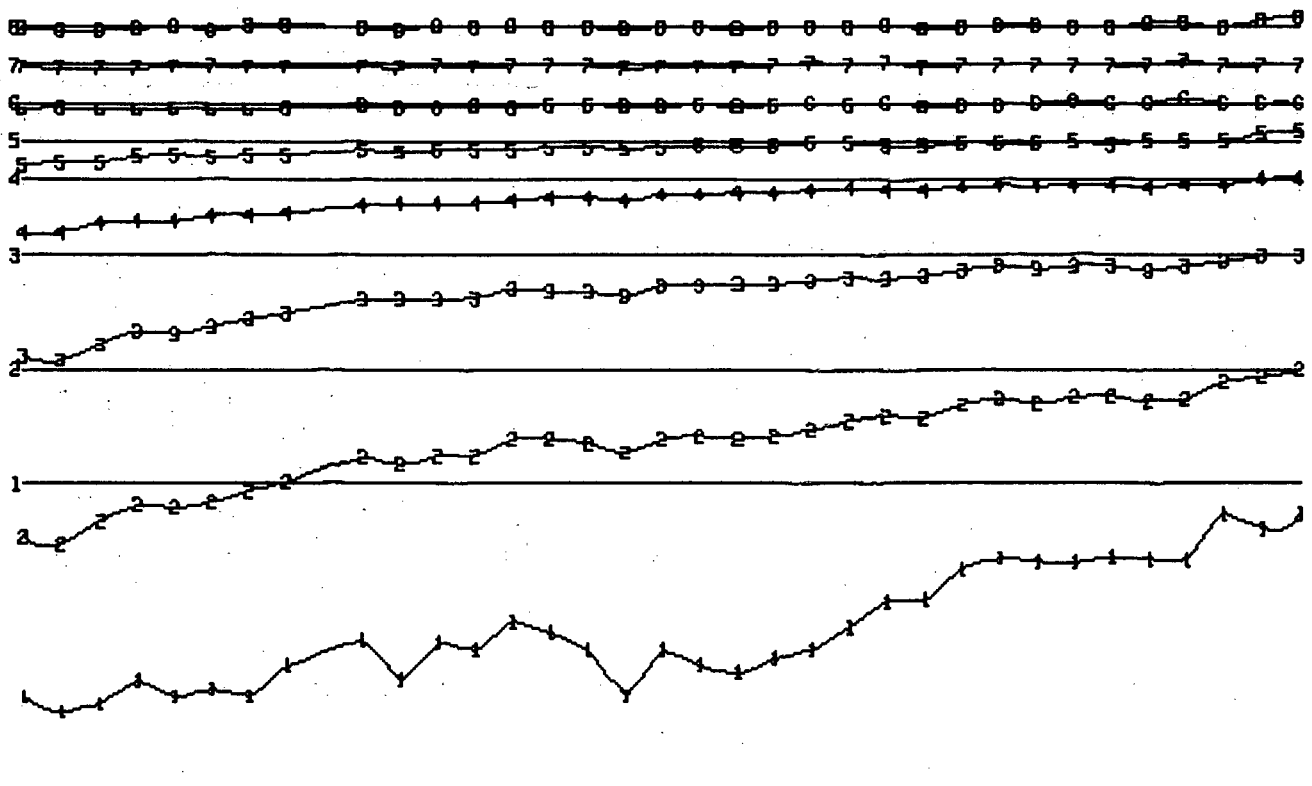
CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1100E LOOP B

DATE: JUN/86      FIG.: 91

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

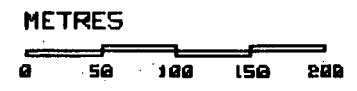
LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

CONSTANT GAIN DATA, G-(100%)  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1100E LOOP B

DATE: JUN/86      FIG.: 92

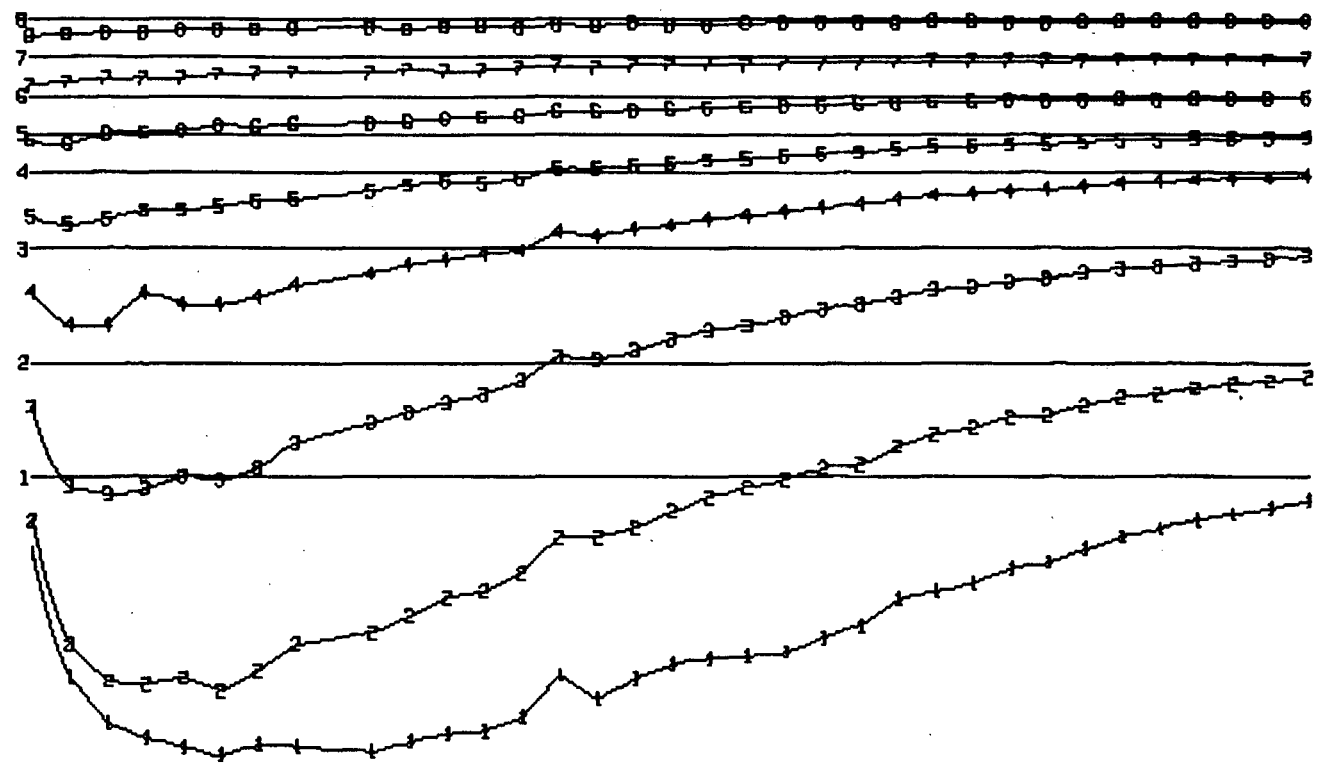
WHITE GEOPHYSICAL INC.



400N 375N 350N 325N 300N 275N 250N 225N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B

0  
50  
100  
150  
200  
250  
300



SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.



CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
VERTICAL COMPONENT  
LINE 1100E LOOP B

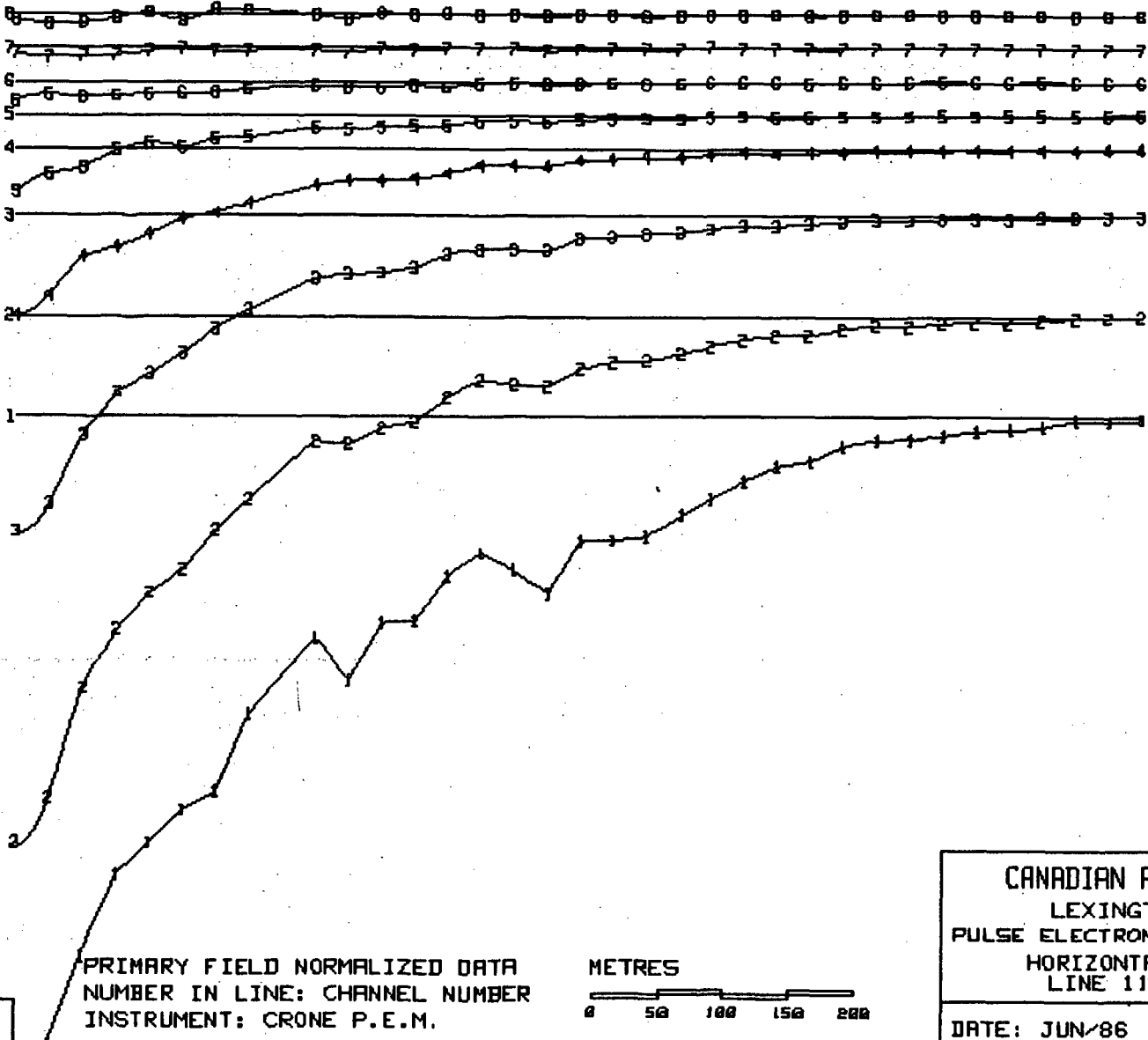
DATE: JUN/86

FIG.: 93

WHITE GEOPHYSICAL INC.

400N 375N 350N 325N 300N 275N 250N 225N 175N 150N 125N 100N 75N 50N 25N 0N 25S 50S 75S 100S 125S 150S 175S 200S 225S 250S 275S 300S 325S 350S 375S 400S 425S 450S

LOOP B



0  
50  
100  
150  
200  
250  
300

SCALE  
P.P.K.  
+ OR -

PRIMARY FIELD NORMALIZED DATA  
NUMBER IN LINE: CHANNEL NUMBER  
INSTRUMENT: CRONE P.E.M.

METRES  
0 50 100 150 200

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
PULSE ELECTROMAGNETOMETER SURVEY  
HORIZONTAL COMPONENT  
LINE 1100E LOOP B

DATE: JUN/86      FIG.: 94

WHITE GEOPHYSICAL INC.

Pulse Electromagnetometer Data Listing

CANADIAN PAWNEE OIL CORP.

Listing explanation:

Heading:

Line, Transmitter loop designator, Coordinates of loop perimeter and  
Survey date

Table:

STATION: Receiver station

V1-V8: Secondary field vertical component, positive upwards

H1-H8: Secondary field horizontal component, positive away from  
transmitter loop

Channel 1-8 sample times: .15, .45, .85, 1.45, 2.45, 3.75, 5.85, 8.85  
milliseconds

G : Percent gain potentiometer setting, '1' indicates gain at 100%

PP: Percent 'primary field', '1' indicates setting at full scale, (100%)

WHITE GEOPHYSICAL INC.

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
---------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	----

Line 100W, Loop D, perimeter 900W,600W,00S and 150S, Survey date 21/06/86

100N	-94	-76	-61	-47	-34	-19	-8	-3	-33	-24	-17	-14	-9	-6	-3	-1	22	1
125N	-99	-84	-69	-54	-37	-21	-8	-3	-60	-45	-31	-27	-18	-10	-5	-1	26	1
150N	-105	-90	-75	-57	-40	-22	-9	-4	-84	-62	-45	-34	-23	-14	-5	-1	32	1
175N	-111	-98	-84	-64	-44	-24	-9	-4	-112	-84	-60	-45	-30	-19	-8	-2	39	1
200N	-108	-101	-86	-68	-47	-25	-10	-4	-150	-105	-80	-60	-40	-24	-1	-3	49	1
225N	-102	-98	-85	-66	-46	-26	-10	-4	-145	-101	-80	-61	-40	-24	-9	-2	54	1
250N	-94	-92	-84	-66	-47	-25	-9	-3	-145	-110	-90	-69	-46	-27	-11	-3	66	1
275N	-88	-86	-80	-64	-46	-25	-8	-3	-175	-150	-110	-85	-57	-31	-15	-4	73	1
300N	-96	-94	-85	-69	-49	-27	-10	-4	-200	-160	-145	-99	-66	-37	-17	-5	83	1
325N	-90	-85	-75	-61	-45	-25	-9	-4	-160	-155	-115	-92	-64	-35	-16	-4	92	1
350N	-108	-92	-81	-66	-48	-26	-9	-4	-205	-175	-145	-108	-73	-40	-17	-4	98	1
375N	-91	-78	-69	-56	-41	-23	-10	-5	-200	-175	-150	-105	-72	-40	-19	-4	1	92
400N	-94	-74	-64	-51	-38	-21	-8	-2	-200	-155	-140	-95	-66	-37	-17	-4	1	81
425N	-60	-53	-49	-41	-32	-17	-7	-3	-160	-145	-110	-85	-59	-33	-16	-3	1	69
450N	-44	-43	-41	-35	-28	-16	-6	-2	-145	-130	-79	-75	-55	-30	-14	-1	1	60
475N	-36	-36	-35	-31	-26	-15	-5	-3	-140	-112	-91	-73	-49	-29	-12	-4	1	52
500N	-30	-33	-31	-29	-23	-12	-5	-3	-115	-99	-80	-65	-45	-26	-11	-2	1	47
525N	-24	-29	-28	-25	-20	-11	-5	-2	-95	-81	-68	-56	-39	-24	-10	-2	1	42
550N	-20	-24	-24	-22	-19	-9	-4	0	-92	-80	-67	-55	-38	-24	-9	-2	1	36
575N	-21	-25	-24	-22	-17	-10	-4	-2	-75	-69	-58	-46	-34	-20	-7	-3	1	34
600N	-20	-23	-23	-20	-16	-10	-4	-3	-74	-66	-56	-45	-31	-20	-7	-2	1	30
625N	-17	-20	-19	-18	-15	-9	-4	-2	-66	-59	-49	-40	-27	-18	-7	-2	1	27
650N	-21	-24	-23	-20	-15	-8	-3	-2	-66	-58	-46	-38	-26	-16	-5	0	1	26
675N	-18	-20	-20	-17	-14	-8	-4	-3	-57	-49	-40	-34	-24	-15	-8	-1	1	23
700N	-16	-19	-18	-16	-12	-8	-3	-1	-59	-51	-43	-34	-25	-14	-6	-3	1	21
725N	-14	-16	-16	-15	-11	-7	-3	-2	-57	-50	-40	-34	-22	-14	-6	-2	1	19
750N	-16	-20	-19	-16	-13	-9	-4	-2	-46	-40	-33	-27	-21	-11	-5	-2	1	18

Line 900W, Loop D, perimeter 900W,600W,00N and 150S, Survey date 21/6/86

750N	-18	-21	-20	-19	-14	-8	-4	-3	-59	-50	-40	-31	-24	-12	-6	-2	1	18
725N	-18	-21	-20	-17	-13	-7	-3	-1	-59	-50	-40	-32	-22	-14	-6	0	1	20
700N	-20	-22	-21	-19	-14	-8	-2	-2	-61	-54	-42	-35	-24	-16	-7	-2	1	21
675N	-20	-24	-23	-19	-14	-8	-4	-2	-70	-60	-48	-38	-27	-16	-7	-1	1	23
650N	-23	-26	-24	-21	-16	-9	-5	-2	-76	-66	-52	-40	-28	-17	-6	-2	1	26
625N	-22	-25	-24	-21	-16	-9	-3	-3	-82	-70	-56	-44	-31	-19	-7	-2	1	27
600N	-24	-26	-25	-22	-16	-9	-4	-3	-85	-74	-58	-46	-32	-20	-10	-4	1	30
575N	-25	-28	-26	-22	-16	-9	-4	-2	-92	-77	-64	-44	-34	-20	-8	-4	1	34
550N	-30	-34	-31	-26	-20	-10	-4	-1	-100	-84	-65	-52	-37	-23	-8	-2	1	40
525N	-34	-36	-34	-29	-21	-12	-5	-3	-112	-95	-75	-60	-41	-25	-9	-4	1	45
500N	-34	-36	-34	-29	-21	-11	-5	-3	-140	-105	-81	-65	-46	-26	-10	-4	1	47
475N	-40	-44	-40	-34	-26	-15	-6	-3	-145	-109	-85	-68	-47	-28	-11	-4	1	56
450N	-48	-50	-45	-37	-29	-16	-6	-4	-155	-120	-94	-74	-51	-31	-11	-4	1	61
425N	-58	-58	-52	-44	-34	-20	-6	-3	-180	-155	-109	-83	-57	-31	-15	-4	1	72
400N	-66	-65	-56	-47	-37	-21	-7	-3	-190	-170	-115	-93	-63	-35	-16	-2	1	80
375N	-86	-80	-67	-55	-40	-24	-9	-5	-240	-190	-155	-108	-74	-41	-19	-5	1	93
350N	-110	-99	-80	-65	-48	-26	-10	-3	-250	-200	-160	-115	-80	-44	-20	-6	1	1
325N	-108	-94	-76	-58	-45	-25	-10	-3	-225	-180	-150	-101	-70	-38	-18	-5	91	1
300N	-111	-99	-80	-64	-46	-26	-10	-5	-195	-160	-120	-91	-62	-35	-17	-3	81	1
275N	-112	-99	-80	-63	-46	-26	-10	-5	-195	-160	-112	-86	-59	-32	-16	-4	72	1
250N	-109	-94	-76	-60	-43	-24	-9	-3	-205	-160	-111	-82	-55	-31	-14	-4	63	1
225N	-111	-96	-77	-59	-44	-24	-9	-4	-175	-150	-99	-72	-49	-29	-12	-4	56	1
200N	-115	-98	-76	-57	-41	-24	-8	-3	-170	-120	-84	-60	-40	-24	-10	-2	43	1
175N	-112	-94	-71	-54	-37	-21	-8	-3	-150	-100	-69	-50	-34	-21	-8	-2	34	1
150N	-109	-86	-65	-49	-34	-19	-7	-3	-140	-89	-59	-41	-27	-17	-7	-2	26	1
125N	-105	-84	-60	-45	-31	-17	-6	-3	-102	-71	-46	-34	-21	-14	-5	-2	20	1
100N	-96	-75	-54	-40	-29	-16	-6	-3	-88	-59	-38	-26	-19	-11	-5	-2	16	1
75N	-80	-60	-44	-31	-22	-11	-5	-2	-63	-41	-25	-19	-12	-7	-3	0	11	1

Line 800W, Loop D, perimeter 900W,600W,00N and 150S, Survey date 20/06/86

50N	-18	-13	-8	-6	-5	-4	-2	-1	-11	-7	-4	-3	-2	-1	0	0	2	1
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STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
75N	-34	-25	-18	-13	-9	-6	-2	-1	-20	-14	-7	-5	-3	-2	-1	0	4	1
100N	-47	-34	-23	-16	-11	-7	-3	-2	-38	-24	-16	-11	-7	-4	-2	0	6	1
125N	-70	-49	-33	-24	-17	-9	-4	-2	-65	-39	-24	-19	-11	-6	-3	-1	10	1
150N	-75	-54	-37	-26	-20	-11	-5	-2	-80	-50	-31	-23	-16	-8	-3	-1	14	1
175N	-95	-70	-50	-38	-27	-15	-5	-2	-96	-64	-40	-29	-21	-11	-5	-1	19	1
200N	-105	-75	-53	-40	-29	-16	-6	-3	-145	-86	-55	-39	-25	-16	-6	-1	26	1
225N	-111	-85	-60	-46	-34	-19	-7	-3	-170	-110	-75	-55	-35	-21	-8	-1	36	1
250N	-115	-85	-60	-46	-34	-20	-7	-3	-185	-140	-80	-59	-40	-24	-9	-2	43	1
275N	-112	-90	-67	-52	-38	-20	-7	-2	-200	-155	-100	-74	-50	-30	-11	-3	56	1
300N	-111	-94	-71	-55	-45	-24	-8	-4	-205	-175	-115	-88	-60	-32	-16	-4	67	1
325N	-120	-95	-74	-56	-41	-24	-8	-3	-240	-175	-130	-91	-62	-35	-16	-5	75	1
350N	-115	-96	-71	-55	-40	-22	-8	-4	-255	-190	-150	-99	-67	-36	-19	-4	84	1
375N	-109	-92	-70	-54	-40	-21	-7	-3	-255	-190	-150	-102	-74	-41	-19	-6	92	1
400N	-94	-86	-64	-52	-39	-22	-9	-4	-260	-200	-155	-115	-80	-49	-24	-3	1	95
425N	-79	-74	-59	-47	-35	-20	-7	-3	-240	-175	-150	-100	-70	-38	-14	-4	1	85
450N	-65	-64	-54	-44	-32	-19	-7	-2	-200	-155	-135	-93	-64	-34	-16	-5	1	72
475N	-54	-54	-46	-39	-28	-16	-5	-2	-160	-140	-101	-80	-57	-28	-13	-3	1	61
500N	-52	-51	-44	-35	-26	-15	-5	-2	-155	-145	-98	-74	-50	-28	-14	-3	1	56
525N	-41	-43	-37	-33	-24	-15	-4	-2	-150	-115	-86	-68	-48	-27	-10	-4	1	50
550N	-39	-39	-35	-30	-22	-14	-3	-4	-140	-95	-72	-55	-39	-22	-6	-2	1	42
575N	-35	-35	-32	-26	-19	-10	-3	0	-110	-85	-65	-51	-35	-21	-7	-4	1	38
600N	-38	-38	-34	-26	-19	-10	-5	-2	-105	-83	-60	-49	-28	-19	-8	-1	1	35
625N	-32	-33	-30	-24	-19	-10	-4	-2	-90	-75	-58	-45	-30	-18	-9	-1	1	31
650N	-27	-29	-28	-22	-16	-9	-3	-3	-70	-60	-47	-39	-26	-18	-8	-2	1	26
675N	-24	-28	-26	-23	-18	-9	-4	-2	-67	-59	-44	-36	-26	-17	-9	-2	1	24
700N	-26	-30	-29	-21	-16	-7	-7	-4	-63	-55	-45	-35	-25	-16	-3	0	1	21

Line 700W, Loop D, perimeter 900W,600W,00N and 150S, Survey date 20/06/86

750N	-41	-39	-33	-24	-18	-10	-4	-3	-78	-64	-48	-37	-25	-15	-3	1	1	25
725N	-39	-38	-34	-26	-19	-10	-5	-2	-78	-65	-49	-39	-26	-15	-5	-1	1	26
700N	-39	-38	-34	-26	-19	-11	-5	-4	-84	-69	-52	-40	-27	-16	-6	-1	1	28
675N	-38	-38	-29	-26	-19	-10	-5	-3	-93	-75	-55	-44	-29	-17	-6	-1	1	32
650N	-38	-38	-34	-26	-20	-11	-4	-3	-108	-85	-61	-48	-32	-19	-7	-2	1	36
625N	-43	-42	-36	-28	-20	-11	-4	-1	-120	-94	-69	-54	-35	-21	-9	-2	1	40
600N	-44	-43	-36	-28	-21	-10	-4	-2	-140	-100	-74	-57	-38	-21	-9	-3	1	41
575N	-44	-43	-36	-27	-20	-11	-5	-3	-145	-105	-77	-60	-40	-24	-9	-2	1	48
550N	-55	-52	-40	-30	-22	-11	-5	-1	-160	-120	-87	-67	-45	-29	-11	-3	1	56
525N	-62	-57	-44	-33	-24	-13	-4	-2	-190	-150	-95	-71	-49	-30	-12	-2	1	64
500N	-70	-62	-47	-36	-25	-12	-5	-1	-190	-150	-105	-78	-55	-29	-18	0	1	65
475N	-76	-65	-48	-37	-36	-13	-4	-1	-230	-180	-112	-83	-58	-30	-15	-2	1	72
450N	-90	-77	-56	-44	-30	-16	-6	-4	-240	-170	-130	-95	-65	-35	-17	-4	1	88
425N	-111	-91	-66	-51	-36	-9	-7	-3	-290	-200	-155	-110	-74	-40	-19	-5	1	1
400N	-112	-92	-66	-51	-36	-20	-7	-3	-275	-200	-150	-100	-72	-40	-19	-4	96	1
375N	-110	-86	-61	-48	-35	-20	-7	-3	-260	-190	-145	-95	-66	-36	-16	-3	89	1
350N	-112	-90	-65	-49	-35	-18	-6	-2	-240	-175	-112	-85	-57	-31	-15	-3	78	1
325N	-112	-87	-62	-47	-34	-18	-6	-3	-190	-150	-90	-66	-44	-26	-9	-2	67	1
300N	-108	-80	-56	-43	-30	-16	-6	-2	-190	-145	-90	-66	-45	-27	-10	-3	57	1
275N	-105	-78	-55	-41	-30	-16	-5	-2	-160	-105	-73	-54	-36	-21	-8	-2	47	1
250N	-92	-68	-47	-35	-25	-14	-6	-3	-140	-85	-58	-42	-28	-16	-6	-1	36	1
225N	-85	-60	-43	-31	-23	-11	-4	-2	-120	-80	-55	-40	-26	-16	-6	-2	29	1
200N	-70	-50	-35	-25	-18	-9	-4	-2	-70	-46	-30	-21	-16	-7	-3	0	20	1
175N	-52	-39	-26	-19	-14	-7	-3	-2	-37	-56	-25	-18	-13	-7	-3	0	14	1
150N	-44	-32	-22	-16	-11	-6	-2	-1	-40	-25	-16	-14	-8	-4	-2	0	9	1
125N	-30	-22	-14	-10	-8	-5	-2	-1	-30	-20	-15	-10	-6	-3	-1	0	6	1
100N	-21	-15	-10	-7	-6	-4	-1	-1	-15	-9	-6	-5	-3	-1	0	0	4	1
75N	-12	-10	-7	-5	-4	-3	-1	-1	-9	-6	-4	-3	-1	0	0	0	2	1
50N	-5	-4	-3	-2	-2	-2	-1	-1	-3	-2	-1	-1	0	0	0	0	2	1

Line 600W, Loop D, perimeter 900W,600W,00N and 150S, Survey date 20/06/86

50N	-9	-6	-5	-3	-3	-2	-1	-1	-5	-4	-3	-3	-1	0	0	0	3	1
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STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
75N	-21	-16	-11	-8	-7	-4	-1	-1	-14	-10	-7	-6	-3	-1	0	1	6	1
100N	-27	-19	-13	-8	-7	-4	-2	-1	-17	-13	-8	-7	-4	-2	-1	0	9	1
125N	-40	-29	-20	-14	-10	-6	-2	-1	-24	-17	-13	-9	-5	-3	-1	0	14	1
150N	-54	-37	-26	-19	-13	-7	-2	-2	-44	-29	-20	-17	-10	-5	-2	0	20	1
175N	-66	-47	-32	-23	-16	-8	-3	-1	-69	-46	-32	-24	-17	-8	-3	0	30	1
200N	-74	-51	-36	-25	-18	-9	-3	-1	-85	-57	-40	-29	-21	-10	-5	-1	34	1
225N	-87	-59	-41	-29	-20	-10	-3	-2	-110	-76	-52	-38	-25	-14	-5	-1	44	1
250N	-95	-64	-44	-30	-21	-11	-4	-2	-145	-91	-62	-46	-30	-17	-7	-2	56	1
275N	-110	-76	-52	-38	-26	-13	-4	-2	-150	-98	-69	-50	-33	-19	-8	-2	70	1
300N	-140	-81	-55	-39	-27	-14	-4	-2	-200	-150	-90	-66	-44	-26	-9	-3	79	1
325N	-120	-89	-60	-44	-30	-16	-5	-2	-240	-170	-109	-79	-54	-29	-11	-3	88	1
350N	-110	-90	-61	-45	-31	-16	-5	-2	-255	-175	-115	-85	-58	-31	-15	-4	96	1
375N	-110	-89	-60	-44	-30	-15	-4	-2	-250	-175	-130	-92	-64	-34	-16	-3	1	99
400N	-100	-80	-56	-41	-29	-16	-6	-2	-240	-170	-110	-81	-55	-29	-13	-3	1	91
425N	-91	-74	-50	-37	-26	-15	-5	-1	-225	-170	-109	-80	-55	-30	-13	-4	1	78
450N	-84	-68	-48	-35	-24	-14	-4	-1	-190	-145	-95	-70	-48	-27	-10	-4	1	71
475N	-70	-59	-41	-30	-21	-11	-4	-1	-190	-140	-92	-68	-47	-27	-10	-3	1	61
500N	-61	-54	-39	-28	-19	-10	-4	-2	-175	-140	-88	-67	-45	-26	-10	-4	1	57
525N	-54	-50	-38	-28	-21	-11	-5	-3	-155	-112	-79	-59	-42	-23	-8	-2	1	53
550N	-55	-53	-41	-30	-21	-11	-4	-2	-145	-99	-69	-53	-34	-19	-6	-2	1	48
575N	-50	-50	-40	-29	-20	-11	-5	-1	-145	-95	-68	-54	-34	-21	-8	-2	1	44
600N	-48	-47	-39	-29	-20	-10	-3	-2	-112	-87	-64	-50	-34	-21	-9	-3	1	40
625N	-44	-44	-36	-26	-19	-9	-3	-1	-102	-81	-59	-45	-30	-19	-6	-2	1	37
650N	-44	-44	-36	-26	-19	-9	-3	-2	-90	-74	-54	-42	-29	-18	-6	-2	1	31
675N	-47	-46	-37	-28	-20	-10	-4	-1	-83	-69	-52	-40	-28	-16	-4	0	1	28
700N	-50	-48	-38	-29	-19	-9	-4	-1	-87	-63	-54	-43	-28	-16	-6	-1	1	29
725N	-51	-49	-37	-26	-18	-9	-4	-3	-79	-66	-49	-37	-25	-15	-6	-3	1	27
750N	-52	-48	-36	-25	-16	-8	-4	-3	-78	-63	-45	-35	-23	-14	-5	0	1	24

Line 500W, Loop C, perimeter 400W, 100W, 150N and 00N, Survey date 14/06/86

50N	-44	-22	-11	-7	-5	-2	-1	0	-19	-6	-2	-1	0	0	0	0	16	1
75N	-48	-26	-14	-8	-6	-2	-1	-1	-19	-7	-3	-2	-1	-1	0	0	20	1
100N	-56	-31	-17	-10	-7	-3	-1	-1	-25	-10	-5	-3	-2	-2	0	0	25	1
125N	-66	-37	-21	-12	-8	-3	-2	-1	-29	-16	-7	-5	-3	-2	-1	0	32	1
150N	-81	-46	-26	-15	-9	-4	-2	-1	-34	-19	-8	-6	-3	-2	-1	0	41	1
175N	-96	-55	-30	-18	-11	-5	-2	-1	-43	-22	-11	-8	-5	-4	-2	1	50	1
200N	-110	-62	-33	-19	-11	-5	-2	0	-59	-28	-13	-8	-4	-3	-1	-1	55	1
225N	-120	-71	-39	-23	-13	-5	-2	0	-60	-30	-16	-10	-6	-4	-2	0	65	1
250N	-140	-84	-46	-27	-16	-6	-3	-1	-75	-36	-19	-12	-7	-4	-2	-1	74	1
275N	-190	-99	-54	-31	-19	-8	-3	-2	-97	-44	-20	-12	-9	-4	-2	0	81	1
300N	-205	-115	-62	-36	-22	-9	-4	-1	-145	-55	-26	-16	-11	-6	-2	0	91	1
325N	-240	-135	-70	-42	-25	-11	-4	-2	-190	-70	-32	-19	-12	-8	-4	-2	98	1
350N	-260	-145	-74	-43	-25	-9	-4	-1	-240	-85	-38	-22	-16	-8	-2	0	1	95
375N	-245	-140	-72	-41	-24	-9	-4	-1	-280	-97	-38	-21	-15	-7	-3	0	1	87
400N	-155	-105	-60	-36	-21	-9	-4	-1	-190	-75	-33	-20	-14	-7	-3	-1	1	72
425N	-145	-101	-60	-36	-21	-9	-3	-1	-200	-77	-33	-21	-9	-7	-3	-1	1	67
450N	-115	-85	-53	-33	-20	-8	-4	-1	-155	-67	-31	-20	-11	-6	-2	0	1	58
475N	-99	-79	-51	-30	-19	-8	-2	-2	-140	-61	-27	-20	-10	-6	-3	-1	1	51
500N	-86	-73	-49	-31	-18	-9	-3	-2	-145	-62	-28	-18	-10	-7	-2	-1	1	47
525N	-74	-67	-47	-29	-19	-8	-4	-2	-110	-57	-26	-16	-10	-7	-2	-1	1	41
550N	-55	-61	-46	-29	-18	-7	-2	0	-110	-58	-29	-19	-12	-6	-2	0	1	37
575N	-54	-56	-44	-29	-18	-7	-2	-1	-80	-46	-22	-16	-10	-5	-2	0	1	33
600N	-55	-59	-45	-30	-18	-6	2	3	-76	-42	-21	-16	-10	-4	-2	0	1	31
625N	-56	-56	-44	-29	-18	-8	-4	-1	-71	-40	-21	-16	-8	-6	-3	0	1	28
650N	-54	-56	-45	-29	-19	-7	-4	-1	-67	-41	-22	-17	-10	-5	-2	-1	1	23
675N	-50	-52	-43	-28	-16	-8	-4	-1	-62	-41	-24	-19	-10	-6	-2	-2	1	21
700N	-44	-52	-43	-28	-17	-7	-4	-2	-79	-51	-30	-19	-16	-5	-2	-2	1	20
725N	-32	-46	-40	-26	-16	-6	-3	-3	-70	-48	-28	-20	-10	-5	-2	0	1	18
750N	-25	-41	-39	-26	-14	-7	-2	-1	-60	-45	-29	-21	-15	-6	-1	0	1	17

Line 400W, Loop C, perimeter 400W, 100W, 00N and 150S, Survey date 15/06/86

750N	-66	-86	-66	-36	-15	-5	-3	-3	-79	-68	-44	-30	-20	-8	-1	0	1	20
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STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
725N	-45	-66	-56	-35	-18	-8	-3	0	-67	-54	-35	-25	-16	-10	-4	0	1	20
700N	-35	-59	-54	-34	-20	-8	-5	-1	-77	-52	-33	-20	-16	-7	-2	0	1	22
675N	-41	-60	-50	-33	-19	-8	-4	-2	-86	-53	-28	-20	-14	-9	-4	0	1	24
650N	-64	-75	-58	-37	-22	-11	-4	-1	-115	-65	-32	-20	-14	-8	-4	0	1	27
625N	-74	-78	-57	-37	-21	-10	-3	-2	-95	-54	-26	-19	-11	-7	-2	0	1	30
600N	-75	-76	-56	-36	-21	-10	-3	-2	-89	-50	-24	-18	-10	-6	-2	0	1	32
575N	-70	-75	-55	-35	-21	-10	-6	-1	-94	-51	-25	-16	-10	-4	-2	0	1	37
550N	-71	-74	-54	-35	-20	-9	-4	-1	-99	-51	-25	-16	-9	-4	0	1	1	40
525N	-60	-73	-54	-35	-21	-9	-5	-1	-110	-55	-25	-17	-10	-5	-1	0	1	43
500N	-74	-75	-54	-34	-21	-9	-4	-2	-145	-65	-29	-19	-10	-4	-1	0	1	49
475N	-90	-86	-57	-36	-22	-11	-5	-3	-160	-69	-29	-19	-10	-6	-1	0	1	55
450N	-120	-96	-62	-37	-21	-10	-5	-1	-195	-76	-30	-18	-11	-5	-3	0	1	66
425N	-155	-112	-66	-39	-23	-11	-4	-2	-225	-64	-31	-20	-11	-5	-1	1	1	76
400N	-190	-115	-69	-40	-24	-11	-4	-1	-240	-86	-33	-20	-11	-5	-2	0	1	87
375N	-250	-140	-72	-41	-24	-10	-4	-1	-290	-94	-33	-20	-11	-6	-2	1	1	97
350N	-260	-140	-66	-37	-22	-9	-3	0	-250	-79	-28	-18	-9	-5	-2	0	95	1
325N	-275	-125	-60	-31	-19	-8	-3	-2	-200	-64	-23	-15	-8	-4	-1	0	88	1
300N	-255	-115	-52	-28	-16	-6	-2	-1	-160	-49	-20	-10	-6	-3	-1	1	77	1
275N	-155	-85	-43	-23	-14	-6	-2	-1	-79	-32	-16	-8	-5	-2	-2	0	71	1
250N	-120	-64	-33	-16	-10	-5	-2	-1	-70	-29	-10	-6	-3	-1	0	0	58	1
225N	-112	-54	-27	-14	-8	-4	-1	-1	-55	-22	-8	-5	-3	-1	0	0	48	1
200N	-94	-46	-20	-10	-7	-3	-1	-1	-50	-21	-8	-5	-3	-2	-1	0	41	1
175N	-69	-35	-16	-8	-6	-3	-1	-1	-35	-20	-7	-5	-3	-1	-1	0	30	1
150N	-59	-29	-15	-8	-6	-3	-1	-1	-34	-14	-3	-3	-2	-1	0	0	23	1
125N	-44	-23	-11	-7	-5	-3	-1	-1	-20	-9	-4	-3	-1	0	0	0	17	1
100N	-35	-17	-8	-5	-4	-2	-1	-1	-19	-6	-3	-2	-1	0	0	0	12	1
75N	-22	-13	-8	-5	-4	-3	-1	-1	-8	-3	-1	-1	0	0	0	0	8	1
50N	-14	-8	-5	-3	-3	-2	-1	-1	-7	-2	0	0	0	0	0	1	5	1

Line 300W, Loop C, perimeter 400W,100W,00N and 150S, Survey date 15/06/86

50N	-6	-3	-2	-1	-1	-1	-1	-1	-3	-1	0	0	0	0	0	1	2	1
75N	-8	-4	-2	-1	-1	-1	-1	-1	-3	-1	0	0	0	0	0	0	3	1
100N	-14	-7	-4	-2	-2	-1	-1	-1	-5	-2	-1	-1	0	0	0	1	5	1
125N	-23	-11	-7	-4	-3	-2	-1	-1	-7	-3	-1	-1	0	0	0	1	8	1
150N	-39	-17	-8	-5	-4	-2	-1	-1	-14	-5	-2	-2	-1	0	0	0	12	1
175N	-57	-25	-11	-6	-4	-3	-1	-1	-19	-8	-4	-3	-1	-1	0	0	18	1
200N	-79	-34	-16	-9	-6	-3	-2	-1	-24	-10	-5	-3	-2	-1	-1	0	23	1
225N	-105	-44	-20	-10	-7	-4	-2	-2	-33	-15	-6	-4	-2	-1	0	0	31	1
250N	-190	-61	-27	-14	-9	-5	-2	-1	-66	-23	-9	-6	-3	-2	0	0	39	1
275N	-325	-86	-35	-18	-10	-5	-2	-1	-140	-29	-10	-6	-3	-2	-1	0	48	1
300N	-200	-93	-44	-24	-13	-6	-2	0	-190	-47	-17	-9	-5	-3	-1	0	68	1
325N	-180	-100	-50	-29	-17	-8	-3	-2	-180	-54	-21	-11	-6	-3	-1	1	79	1
350N	-175	-111	-56	-31	-18	-8	-3	-2	-200	-61	-23	-12	-7	-4	-3	0	89	1
375N	-175	-115	-64	-36	-21	-8	-1	2	-210	-71	-25	-16	-8	-5	-3	1	95	1
400N	-155	-120	-69	-41	-24	-11	-5	-2	-240	-84	-30	-18	-9	-5	-2	0	1	94
425N	-120	-105	-64	-38	-22	-11	-4	-1	-200	-75	-28	-17	-10	-5	-3	0	1	76
450N	-115	-101	-63	-38	-22	-10	-4	-3	-185	-73	-29	-17	-10	-5	-3	0	1	70
475N	-109	-95	-63	-39	-24	-11	-4	-2	-160	-67	-28	-18	-10	-6	-2	0	1	60
500N	-99	-91	-60	-39	-22	-11	-3	-2	-145	-61	-27	-19	-10	-6	-3	0	1	52
525N	-99	-96	-66	-41	-25	-11	-5	-2	-145	-65	-27	-18	-10	-6	-3	-2	1	47
550N	-100	-95	-64	-41	-22	-10	-4	-3	-110	-56	-25	-17	-10	-6	-1	0	1	42
575N	-120	-105	-70	-43	-24	-10	-4	-2	-140	-67	-29	-20	-11	-6	-2	0	1	38
600N	-90	-91	-66	-42	-24	-10	-4	-1	-155	-78	-33	-22	-12	-5	-1	0	1	34
625N	-49	-68	-57	-37	-21	-10	-4	-1	-140	-70	-35	-24	-12	-5	-1	-1	1	30
650N	-40	-65	-56	-36	-21	-9	-4	-2	-94	-62	-36	-24	-16	-7	-2	0	1	26
675N	-44	-70	-59	-36	-19	-8	-3	-2	-89	-65	-40	-27	-17	-8	-4	1	1	24
700N	-52	-75	-61	-37	-21	-8	-13	-1	-96	-76	-48	-31	-19	-8	-2	1	1	22
725N	-51	-78	-62	-36	-19	-7	-4	-2	-175	-145	-71	-38	-21	-9	-3	1	1	22
750N	24	-13	-31	-28	-17	-8	-4	-3	-140	-115	-71	-41	-21	-6	-2	2	1	16

Line 200W, Loop C, perimeter 400W,100W,00N and 150S, Survey date 18/06/86

50N	-7	-3	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	2	1
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STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
75N	-12	-5	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	4	1
100N	-20	-10	-6	-3	-3	-1	-1	-1	-2	-1	0	-1	0	0	0	1	6	1
125N	-29	-14	-6	-3	-3	-2	-1	-1	-4	-1	-1	-1	0	0	0	1	9	1
150N	-54	-23	-10	-6	-4	-2	-1	-1	-10	-4	-2	-2	0	0	0	0	14	1
175N	-71	-28	-14	-7	-6	-3	-1	-1	-16	-5	-2	-2	-1	0	0	0	18	1
200N	-98	-37	-16	-9	-7	-3	-2	-1	-25	-8	-3	-2	-1	-1	0	0	25	1
225N	-135	-48	-24	-13	-7	-4	-2	-2	-46	-11	-4	-2	-2	-1	0	0	32	1
250N	-140	-61	-30	-26	-10	-5	-3	-2	-90	-21	-7	-4	-3	-1	-1	0	42	1
275N	-130	-69	-34	-19	-12	-6	-4	-2	-120	-29	-9	-5	-4	-1	0	0	51	1
300N	-120	-75	-39	-22	-13	-6	-3	-2	-140	-40	-16	-10	-6	-3	-1	1	66	1
325N	-130	-90	-49	-28	-17	-8	-3	-2	-155	-50	-20	-10	-7	-2	-2	0	79	1
350N	-135-100	-57	-35	-22	-10	-4	-1	-1	-150	-54	-20	-14	-9	-5	-1	0	88	1
375N	-130-107	-61	-36	-22	-9	-4	-2	-2	-165	-59	-20	-12	-8	-4	-3	-2	94	1
400N	-125-110	-66	-41	-25	-12	-5	-2	-2	-180	-68	-26	-17	-9	-6	-2	1	1	96
425N	-120-109	-66	-40	-26	-11	-5	-3	-3	-165	-69	-28	-17	-10	-6	-1	1	1	81
450N	-120-108	-68	-41	-25	-11	-5	-2	-2	-150	-66	-26	-16	-9	-5	-2	0	1	71
475N	-112-102	-64	-39	-24	-11	-6	-2	-2	-150	-65	-27	-18	-9	-5	-2	0	1	61
500N	-120-102	-68	-42	-24	-11	-6	-2	-2	-155	-67	-27	-18	-11	-6	-2	-1	1	54
525N	-94	-94	-66	-41	-24	-11	-4	-1	-190	-80	-31	-22	-11	-6	0	1	1	47
550N	-60	-79	-58	-38	-23	-9	-5	-2	-135	-64	-29	-17	-11	-4	-1	1	1	39
575N	-48	-74	-60	-39	-23	-9	-5	-5	-125	-66	-32	-23	-11	-5	-1	0	1	35
600N	-38	-67	-59	-39	-21	-11	-5	-2	-100	-65	-35	-23	-16	-10	-4	0	1	30
625N	-38	-68	-57	-38	-21	-10	-4	-2	-100	-70	-40	-24	-17	-9	-1	-1	1	27
650N	-36	-64	-57	-36	-24	-9	-4	-3	-140	-89	-51	-29	-18	-7	-4	1	1	24
675N	-8	-38	-40	-30	-19	-9	-4	-2	-110	-91	-60	-37	-24	-5	-2	1	1	21
700N	4	-18	-25	-20	-13	-7	-5	-2	-97	-89	-64	-40	-20	-10	-3	1	1	16
725N	18	-2	-14	-12	-10	-6	-3	-1	-101	-94	-70	-40	-22	-6	-1	2	1	13
750N	30	14	0	-6	-8	-6	-3	-2	-72	-71	-53	-34	-19	-8	-2	1	1	11

Line 100W, Loop C, perimeter 400W,100W,00N and 150S, Survey date 18/06/86

750N	32	20	5	-3	-5	-5	-3	-3	-58	-59	-46	-33	-19	-7	-3	0	1	10
725N	26	14	0	-5	-7	-5	-3	-1	-68	-67	-49	-34	-22	-8	-3	1	1	12
700N	24	6	-6	-9	-9	-6	-3	-2	-74	-70	-55	-32	-19	-9	-3	3	1	12
675N	17	-2	-12	-14	-11	-7	-4	-2	-65	-60	-40	-26	-16	-7	-2	0	1	14
650N	4	-21	-27	-21	-14	-8	-4	-3	-105	-94	-67	-38	-24	-8	-3	2	1	19
625N	-5	-33	-37	-26	-19	-9	-4	-2	-105	-92	-58	-36	-19	-4	-3	0	1	22
600N	-19	-55	-53	-36	-21	-11	-6	-2	-155	-98	-57	-33	-24	-6	-3	0	1	27
575N	-23	-60	-56	-38	-23	-10	-4	-2	-115	-80	-47	-28	-19	-6	-3	0	1	31
550N	-27	-58	-55	-37	-23	-9	-5	-3	-115	-74	-41	-26	-16	-4	-1	-1	1	33
525N	-29	-65	-60	-39	-24	-6	-5	-1	-140	-70	-35	-22	-14	-5	-3	0	1	38
500N	-40	-69	-59	-37	-24	-13	-4	-1	-170	-80	-38	-24	-19	-3	-1	2	1	42
475N	-80	-88	-65	-42	-23	-11	-6	-5	-210	-90	-33	-21	-14	-6	-1	2	1	51
450N	-145-115	-71	-44	-26	-11	-5	-4	-4	-195	-80	-31	-20	-9	-7	-2	2	1	58
425N	-145-120	-73	-42	-27	-11	-4	-2	-2	-195	-77	-30	-20	-10	-4	-3	1	1	66
400N	-135-112	-69	-43	-26	-13	-6	-4	-4	-160	-64	-25	-17	-9	-5	-2	1	1	78
375N	-120-111	-66	-40	-25	-12	-5	-3	-3	-145	-50	-20	-10	-6	-6	-1	0	1	90
350N	-140-110	-64	-38	-26	-11	-6	-3	-3	-160	-59	-23	-12	-8	-4	0	0	98	1
325N	-115	-96	-56	-35	-21	-9	-4	-3	-175	-58	-23	-12	-7	-4	0	0	90	1
300N	-120	-89	-50	-31	-19	-10	-4	-3	-135	-42	-17	-8	-4	-4	0	0	82	1
275N	-110	-74	-40	-24	-15	-7	-4	-2	-115	-38	-16	-7	-4	-3	-1	1	70	1
250N	-109	-65	-33	-20	-12	-6	-3	-2	-105	-32	-8	-5	-2	-2	1	1	59	1
225N	-99	-51	-24	-12	-9	-5	-3	-2	-49	-10	-3	-2	0	-1	1	2	46	1
200N	-112	-50	-23	-11	-8	-4	-2	-1	-74	-18	-5	-3	-2	0	1	1	39	1
175N	-95	-37	-16	-7	-5	-3	-1	-1	-45	-12	-4	-3	-1	-1	-1	-1	29	1
150N	-92	-35	-16	-9	-6	-3	-1	-1	-33	-10	-5	-4	-2	-1	0	1	23	1
125N	-63	-26	-12	-7	-5	-3	-1	-1	-8	-3	-2	-1	0	0	0	0	17	1
100N	-38	-19	-8	-5	-4	-2	-1	-1	-3	-2	-1	-1	0	0	0	0	13	1
75N	-26	-13	-6	-4	-3	-2	-1	-1	-2	-1	0	0	0	0	0	0	9	1
50N	-18	-9	-5	-3	-2	-1	-1	-1	-1	0	0	0	0	0	0	0	6	1

Line 00W, Loop C, perimeter 400W,100W,00N and 150S, Survey date 19/06/86

50N	-60	-29	-13	-7	-5	-3	-1	-1	-4	-2	-1	-1	0	0	0	1	21	1
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STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
75N	-83	-34	-14	-7	-5	-3	-1	-1	-11	-2	0	0	0	0	0	1	24	1
100N	-95	-41	-19	-9	-7	-4	-2	-2	-39	-9	-3	-3	0	0	0	0	31	1
125N	-104	-51	-24	-13	-8	-5	-3	-2	-46	-13	-4	-3	-1	0	0	0	41	1
150N	-110	-57	-28	-16	-9	-6	-3	-2	-68	-21	-6	-4	-2	-1	0	1	48	1
175N	-110	-64	-31	-18	-11	-7	-3	-3	-92	-29	-10	-5	-2	-1	0	-1	55	1
200N	-105	-67	-36	-21	-14	-7	-3	-3	-100	-34	-11	-7	-3	-1	-1	0	65	1
225N	-101	-76	-41	-24	-16	-8	-4	-3	-112	-38	-13	-7	-4	-1	0	0	77	1
250N	-101	-81	-47	-28	-18	-9	-6	-3	-84	-29	-7	-5	-2	-1	0	-1	84	1
275N	-101	-87	-51	-32	-20	-10	-4	-2	-150	-48	-17	-9	-5	-3	-2	1	91	1
300N	-108	-100	-60	-37	-23	-13	-5	-3	-150	-52	-19	-9	-5	-3	0	0	99	1
325N	-99	-100	-64	-39	-25	-12	-6	-3	-145	-55	-21	-12	-6	-3	-1	-1	1	89
350N	-102	-101	-65	-41	-26	-13	-5	-3	-145	-54	-23	-12	-7	-4	-2	0	1	79
375N	-109	-105	-81	-41	-24	-14	-5	-3	-140	-60	-25	-15	-8	-3	-1	1	1	70
400N	-125	-110	-68	-41	-25	-14	-5	-1	-170	-80	-33	-21	-11	-5	-2	0	1	60
425N	-61	-76	-58	-38	-25	-13	-5	-4	-180	-86	-37	-22	-11	-6	-3	0	1	50
450N	-31	-59	-53	-36	-24	-14	-5	-3	-150	-79	-36	-23	-12	-6	-2	1	1	41
475N	-15	-50	-48	-35	-22	-11	-5	-2	-130	-75	-39	-23	-12	-5	-2	0	1	35
500N	-11	-46	-46	-34	-22	-11	-5	-3	-115	-76	-42	-26	-16	-6	-2	-1	1	32
525N	-10	-44	-45	-33	-21	-10	-4	-3	-98	-68	-39	-24	-14	-6	-2	-1	1	29
550N	-1	-34	-37	-28	-19	-10	-4	-1	-89	-65	-41	-24	-16	-6	-3	0	1	26
575N	1	-28	-33	-26	-18	-10	-3	-2	-86	-71	-47	-30	-16	-5	-3	1	1	23
600N	7	-19	-25	-22	-16	-8	-4	-3	-85	-71	-49	-31	-17	-7	-3	1	1	20
625N	9	-13	-20	-18	-13	-8	-4	-3	-78	-64	-49	-31	-17	-7	-2	0	1	17
650N	17	-2	-11	-12	-11	-7	-4	-2	-74	-69	-50	-33	-20	-7	-3	0	1	13
675N	23	7	-5	-8	-9	-7	-4	-3	-66	-64	-49	-33	-19	-8	-2	-2	1	11
700N	25	14	1	-4	-6	-5	-3	-2	-54	-52	-40	-28	-17	-7	-2	-2	1	10
725N	24	14	1	-3	-6	-5	-3	-2	-50	-50	-40	-29	-17	-7	-3	0	1	9
750N	25	17	5	-1	-4	-5	-2	-2	-43	-43	-36	-27	-17	-7	-3	1	1	8

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450S	-96	-57	-25	-10	-6	-3	-2	-2	-15	-7	-3	-4	1	0	0	0	23	1
425S	-115	-66	-26	-9	-5	-3	-1	-1	-55	-26	-8	-2	0	0	0	1	26	1
400S	-130	-78	-32	-11	-6	-3	-2	-1	-40	-21	-6	-2	0	0	0	1	33	1
375S	-160	-96	-38	-14	-7	-3	-2	-1	-46	-22	-7	-2	0	0	0	0	42	1
350S	-200	-120	-46	-18	-8	-4	-2	-2	-69	-29	-10	-3	-1	-1	0	-1	46	1
325S	-260	-150	-56	-22	-9	-5	-3	-1	-96	-36	-11	-3	0	0	1	1	54	1
300S	-320	-200	-69	-26	-11	-5	-3	-2	-99	-37	-11	-2	1	0	0	0	60	1
275S	-360	-330	-83	-31	-13	-6	-3	-2	-210	-82	-24	-7	-1	0	0	1	68	1
250S	-355	-225	-83	-32	-15	-6	-4	-3	-160	-68	-20	-5	0	0	0	1	78	1
225S	-355	-225	-86	-24	-15	-7	-4	-3	-290	-109	-32	-8	0	0	0	-1	84	1
200S	-300	-200	-85	-35	-17	-8	-5	-3	-360	-155	-45	-11	-1	1	1	0	93	1
175S	-255	-180	-80	-36	-18	-8	-5	-3	-290	-140	-41	-11	-2	0	1	0	1	96
150S	-210	-160	-74	-35	-19	-9	-5	-4	-310	-145	-47	-15	-2	1	0	1	1	87
125S	-210	-160	-75	-36	-19	-9	-6	-3	-245	-110	-34	-9	-1	0	1	0	1	81
100S	-175	-140	-66	-34	-19	-9	-5	-3	-180	-89	-28	-7	0	0	-1	1	1	69
75S	-160	-120	-64	-31	-18	-10	-6	-4	-220	-100	-36	-2	0	0	1	1	1	62
50S	-160	-120	-62	-32	-18	-9	-6	-4	-190	-82	-28	-7	0	0	0	0	1	58
25S	-190	-130	-64	-31	-19	-9	-6	-3	-180	-79	-29	-8	-2	-2	-1	-1	1	54
0N	-190	-130	-64	-33	-18	-9	-5	-3	-200	-87	-31	-9	-1	0	-1	-1	1	48
25N	-220	-150	-71	-34	-19	-9	-5	-3	-190	-74	-23	-6	0	-1	-1	1	1	47
50N	-230	-160	-73	-34	-19	-9	-5	-2	-110	-55	-19	-6	-1	-1	1	1	1	43
75N	-250	-160	-74	-36	-19	-9	-5	-4	-180	-75	-26	-6	-2	-1	-1	-1	1	41
100N	-255	-170	-81	-37	-20	-9	-4	-2	-260	-110	-36	-10	-2	-1	0	0	1	39
125N	-145	-115	-63	-34	-19	-9	-5	-3	-195	-91	-30	-9	-2	0	-1	1	1	32
150N	-115	-100	-57	-30	-19	-9	-5	-2	-190	-93	-34	-10	-2	0	0	1	1	29
175N	-90	-84	-53	-31	-18	-9	-5	-3	-165	-85	-34	-10	-4	-2	-2	-1	1	26
200N	-70	-70	-50	-30	-18	-9	-5	-4	-145	-78	-30	-10	-3	-1	-1	0	1	23
225N	-53	-56	-44	-29	-17	-8	-5	-3	-112	-68	-29	-10	-3	-2	0	-3	1	19
250N	-38	-49	-42	-28	-17	-9	-5	-3	-102	-64	-28	-9	-2	-1	0	0	1	18
275N	-36	-46	-39	-26	-16	-9	-5	-3	-89	-56	-27	-10	-4	-2	-1	0	1	16
300N	-32	-43	-39	-26	-16	-8	-4	-2	-80	-54	-25	-11	-3	-1	1	1	1	15
325N	-28	-41	-39	-26	-16	-9	-4	-3	-67	-46	-23	-9	-3	-1	-2	0	1	14

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
350N	-30	-43	-39	-28	-18	-9	-5	-3	-62	-43	-24	-11	-5	-3	-1	-1	1	13
375N	-35	-46	-42	-28	-18	-9	-4	-2	-62	-44	-24	-10	-4	-2	0	2	1	13
400N	-46	-55	-46	-30	-17	-9	-5	-3	-78	-56	-28	-15	-5	-2	-1	0	1	12
425N	-21	-36	-36	-27	-17	-9	-4	-4	-76	-58	-30	-16	-5	-3	0	-2	1	11
450N	-8	-27	-30	-24	-15	-8	-5	-2	-71	-59	-30	-17	-6	-3	-2	-1	1	10

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450S	-25	-9	-2	1	1	1	0	0	-2	-2	-1	-1	0	0	0	0	4	1
425S	-44	-16	-2	2	2	2	0	0	-5	-2	0	0	1	0	0	0	6	1
400S	-68	-31	-11	-4	-3	0	0	0	-12	-6	-2	-1	0	0	0	0	8	1
375S	-94	-41	-14	-4	-2	0	0	0	-33	-16	-5	-2	0	0	0	0	12	1
350S	-115	-51	-18	-5	-2	0	0	-1	-46	-20	-6	-2	0	0	0	0	17	1
325S	-140	-65	-26	-8	-4	-1	-1	-1	-64	-29	-9	-3	0	0	0	0	24	1
300S	-190	-86	-33	-11	-5	-2	-1	0	-79	-34	-10	-3	0	-1	0	0	32	1
275S	-210	-105	-40	-14	-6	-2	-1	-1	-90	-39	-11	-3	0	-1	0	0	42	1
250S	-230	-110	-42	-14	-6	-3	-2	-1	-150	-56	-21	-5	-1	-1	0	-1	51	1
225S	-310	-140	-54	-22	-9	-4	-2	-1	-200	-71	-24	-6	-1	-1	0	0	60	1
200S	-360	-160	-61	-24	-10	-4	-3	-1	-230	-85	-29	-7	-1	-1	0	0	70	1
175S	-510	-225	-80	-30	-12	-5	-3	-1	-360	-140	-38	-10	-1	0	0	1	80	1
150S	-470	-300	-97	-35	-14	-5	-3	-1	-600	-210	-54	-15	-2	-1	-1	-1	84	1
125S	-500	-250	-91	-35	-15	-6	-3	-1	-500	-180	-49	-14	-2	-2	-2	0	93	1
100S	-480	-260	-100	-40	-20	-8	-4	-3	-500	-195	-54	-16	-2	2	1	0	1	97
75S	-400	-390	-120	-46	-21	-8	-4	-2	-520	-255	-42	-18	-1	0	0	2	1	90
50S	-450	-290	-105	-41	-19	-7	-3	-3	-520	-200	-54	-16	-3	-1	-1	-1	1	78
25S	-380	-280	-100	-41	-20	-8	-4	-2	-460	-175	-49	-15	-2	-3	-2	-1	1	72
0N	-380	-210	-89	-39	-19	-8	-4	-2	-425	-190	-54	-16	-5	-3	-1	0	1	61
25N	-260	-165	-77	-37	-20	-8	-5	-2	-330	-150	-44	-14	-3	-2	-1	1	1	54
50N	-200	-130	-66	-34	-17	-7	-4	-3	-260	-115	-40	-16	-3	-1	0	-2	1	47
75N	-140	-110	-61	-34	-18	-8	-4	-2	-250	-110	-40	-11	-2	0	0	-2	1	40
100N	-125	-99	-56	-31	-16	-7	-5	-2	-210	-100	-36	-12	-4	-3	-2	0	1	37
125N	-98	-80	-50	-29	-16	-8	-4	-2	-195	-93	-36	-11	-3	-2	0	-1	1	32
150N	-89	-78	-51	-28	-16	-7	-4	-2	-160	-86	-33	-10	-3	-2	-1	0	1	31
175N	-74	-70	-49	-29	-16	-8	-5	-3	-160	-86	-33	-11	-4	-4	-3	-2	1	28
200N	-52	-54	-44	-28	-16	-8	-4	-1	-140	-77	-32	-12	-3	-1	-1	0	1	24
225N	-36	-48	-41	-27	-17	-10	-5	-4	-110	-69	-30	-14	-5	-4	-1	1	1	22
250N	-33	-46	-41	-28	-18	-10	-5	-3	-99	-63	-32	-12	-5	-4	-3	-2	1	20
275N	-30	-44	-40	-27	-18	-9	-4	-3	-95	-61	-30	-11	-4	-2	-1	1	1	19
300N	-21	-37	-36	-27	-17	-8	-5	-3	-80	-55	-27	-9	-2	0	-1	2	1	18
325N	-22	-37	-37	-27	-18	-9	-5	-3	-74	-50	-27	-11	-5	-3	-1	0	1	16
350N	-26	-41	-39	-27	-17	-8	-4	-1	-70	-50	-29	-12	-4	-3	-3	-1	1	16
375N	-20	-35	-35	-27	-18	-9	-5	-4	-72	-56	-29	-15	-6	-3	-2	2	1	13
400N	-13	-30	-32	-26	-18	-9	-6	-4	-69	-53	-30	-18	-7	-3	-1	0	1	12

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400N	-11	-29	-30	-26	-17	-9	-4	-3	-64	-54	-32	-20	-9	-3	-1	-1	1	12
375N	-14	-30	-32	-26	-17	-9	-5	-2	-68	-55	-33	-20	-9	-4	-2	-1	1	14
350N	-19	-35	-36	-28	-19	-9	-5	-3	-64	-50	-28	-16	-6	-2	0	0	1	15
325N	-15	-34	-34	-26	-16	-9	-4	-3	-59	-44	-24	-10	-3	-1	-1	0	1	17
300N	-15	-34	-34	-26	-17	-9	-5	-3	-76	-54	-27	-14	-5	-2	-1	0	1	19
275N	-14	-31	-33	-25	-16	-8	-5	-4	-70	-49	-25	-14	-5	-2	-2	-1	1	18
250N	-14	-30	-31	-25	-16	-8	-5	-3	-72	-51	-26	-12	-5	-2	-2	0	1	19
225N	-18	-33	-33	-26	-16	-8	-5	-3	-85	-56	-27	-12	-4	-3	-2	0	1	20
200N	-24	-38	-36	-26	-16	-9	-6	-4	-96	-62	-28	-11	-3	-2	0	0	1	22
175N	-33	-45	-39	-26	-16	-9	-5	-3	-105	-67	-29	-11	-3	-2	-2	0	1	25
150N	-44	-51	-42	-28	-17	-9	-6	-3	-112	-64	-30	-11	-4	-1	-1	1	1	28
125N	-56	-58	-46	-29	-17	-4	-5	-3	-145	-78	-34	-10	-3	-1	0	2	1	31
100N	-71	-69	-44	-30	-17	-8	-5	-4	-160	-89	-36	-12	-3	-1	2	0	1	36
75N	-92	-78	-52	-28	-18	-8	-5	-3	-200	-98	-37	-14	-3	-2	-1	-1	1	40
50N	-115	-91	-55	-31	-16	-8	-5	-4	-190	-95	-36	-14	-3	-2	-1	1	1	45
25N	-130	-105	-60	-32	-19	-9	-5	-3	-255	-120	-41	-14	-3	0	-1	0	1	51

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
0N	-150-112	-62	-34	-19	-9	-6	-5	-260-140	-44	-13	-3	-1	0	0	0	1	57	
25S	-200-130	-69	-36	-20	-8	-5	-3	-290-140	-46	-15	-4	-2	0	2	1	66		
50S	-255-160	-75	-37	-19	-8	-4	-3	-345-160	-50	-17	-3	-1	0	1	1	78		
75S	-275-160	-77	-36	-18	-8	-4	-3	-380-175	-55	-16	-2	0	0	-2	1	88		
100S	-340-200	-86	-37	-18	-8	-4	-3	-460-195	-58	-17	-3	-1	0	-1	0	95		
125S	-350-170	-74	-30	-14	-6	-4	-2	-370-160	-45	-10	-1	0	0	2	90	1		
150S	-350-190	-75	-32	-15	-6	-3	-2	-400-160	-45	-11	-1	0	0	0	82	1		
175S	-330-160	-64	-26	-11	-5	-3	-2	-310-115	-38	-9	-1	0	0	1	77	1		
200S	-370-175	-64	-26	-11	-5	-3	-2	-370-110	-33	-8	-1	-1	-1	0	63	1		
225S	-500-170	-54	-19	-7	-3	-2	-1	-425	-95	-27	-6	0	0	1	1	49	1	
250S	-575-160	-48	-16	-6	-2	-1	-1	-330	-77	-22	-5	0	0	0	0	39	1	
275S	-440-120	-37	-11	-4	-1	-1	-1	-200	-54	-16	-4	0	0	0	1	31	1	
300S	-280	-86	-29	-8	-4	-1	-1	0	-100	-34	-10	-3	0	0	0	24	1	
325S	-160	-59	-24	-8	-4	-1	-1	0	-52	-23	-7	-2	0	0	0	17	1	
350S	-115	-46	-18	-6	-4	-1	-1	0	-36	-19	-5	-2	0	0	0	13	1	
375S	-77	-31	-11	-3	-2	0	0	0	-17	-9	-3	-4	0	0	0	10	1	
400S	-56	-23	-6	-1	0	0	0	0	-12	-6	-2	0	1	0	0	7	1	
425S	-38	-16	-4	0	0	1	0	0	-6	-5	-2	-1	0	0	0	5	1	
450S	-25	-15	-7	-4	-3	-1	0	0	0	-1	0	0	0	0	0	2	1	

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450S	-20	-10	-5	-2	-2	-1	-1	-1	-3	-1	0	0	1	1	0	1	2	1
425S	-36	-14	-5	-1	-1	0	-1	-1	-11	-4	-1	0	0	0	1	1	3	1
400S	-56	-21	-6	-1	-1	0	0	-1	-20	-7	-2	-1	1	1	1	1	5	1
375S	-84	-35	-12	-4	-2	-1	-1	-1	-28	-10	-3	-1	1	1	1	1	9	1
350S	-110	-46	-17	-6	-3	-2	-1	-1	-40	-17	-4	-1	0	0	0	1	13	1
325S	-120	-57	-24	-8	-4	-2	-1	-1	-72	-26	-7	-2	0	0	1	1	18	1
300S	-140	-71	-30	-11	-5	-3	-2	-2	-92	-32	-9	-2	1	1	1	1	26	1
275S	-135	-82	-37	-14	-7	-3	-2	-2	-110	-41	-15	-3	1	1	0	0	35	1
250S	-130	-93	-44	-18	-9	-4	-2	-2	-150	-58	-21	-5	0	1	0	1	45	1
225S	-155-110	-51	-22	-11	-5	-3	-3	-160	-72	-26	-7	0	1	0	1	60	1	
200S	-155-115	-54	-24	-11	-6	-3	-3	-190	-84	-31	-9	-1	0	0	1	67	1	
175S	-190-125	-63	-29	-14	-7	-4	-2	-230-110	-37	-11	-2	-2	2	1	78	1		
150S	-195-145	-69	-33	-16	-7	-4	-2	-225-110	-40	-11	-2	0	0	1	88	1		
125S	-200-150	-74	-36	-18	-9	-5	-3	-250-145	-48	-16	-3	0	1	1	96	1		
100S	-200-150	-77	-37	-20	-9	-5	-2	-275-155	-52	-17	-3	-1	0	0	1	97	1	
75S	-160-130	-71	-36	-19	-10	-5	-3	-260-150	-50	-18	-4	-3	0	-1	1	86	1	
50S	-135-110	-63	-34	-19	-9	-6	-4	-225-115	-44	-17	-4	-1	0	1	1	72	1	
25S	-115	-96	-59	-34	-19	-9	-4	-3	-220-115	-44	-16	-4	-1	-1	0	1	62	1
0N	-92	-84	-54	-31	-17	-9	-5	-4	-210-110	-42	-16	-4	-2	-1	-1	1	57	1
25N	-78	-74	-51	-30	-18	-9	-5	-3	-160	-92	-36	-14	-3	-1	1	1	49	1
50N	-70	-69	-50	-30	-18	-9	-6	-4	-190	-96	-37	-15	-3	0	1	0	45	1
75N	-52	-56	-44	-27	-17	-8	-4	-3	-160	-89	-36	-15	-4	-1	0	0	38	1
100N	-44	-54	-54	-29	-18	-9	-5	-4	-140	-79	-34	-12	-3	-2	0	0	36	1
125N	-31	-45	-40	-27	-16	-9	-5	-3	-101	-66	-29	-11	-2	0	1	2	32	1
150N	-26	-44	-40	-28	-18	-9	-5	-4	-99	-64	-29	-12	-3	-1	1	2	29	1
175N	-15	-36	-36	-29	-19	-11	-6	-3	-95	-64	-29	-14	-4	-2	0	1	27	1
200N	-16	-34	-34	-26	-17	-9	-5	-2	-87	-60	-29	-14	-4	-2	0	1	25	1
225N	-16	-33	-34	-25	-16	-9	-5	-3	-78	-56	-29	-12	-4	-3	-1	0	22	1
250N	-14	-32	-33	-25	-16	-9	-5	-3	-78	-57	-29	-15	-6	-2	-1	0	21	1
275N	-16	-33	-33	-26	-17	-9	-5	-3	-76	-56	-29	-17	-4	-1	1	1	19	1
300N	-16	-31	-32	-26	-16	-9	-5	-3	-66	-51	-29	-16	-6	-3	-2	-1	17	1
325N	-14	-29	-31	-25	-16	-8	-4	-2	-65	-50	-30	-15	-7	-2	-2	0	16	1
350N	-14	-28	-30	-25	-16	-8	-4	-3	-65	-54	-32	-18	-7	-3	-1	1	15	1
375N	-13	-27	-29	-24	-16	-9	-4	-2	-58	-50	-32	-19	-9	-4	-2	0	13	1
400N	-12	-27	-28	-23	-16	-9	-4	-2	-64	-55	-34	-20	-10	-3	-1	1	13	1

Line 400E, Loop A, perimeter 100E, 400E, 500S and 650S, Survey date 8/06/86

450S	-20	-12	-6	-2	-2	0	0	0	-8	-3	-1	-1	0	0	0	0	3	1
425S	-32	-17	-7	-3	-2	0	0	0	-21	-9	-2	-1	0	0	0	0	5	1

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
400S	-46	-26	-11	-5	-3	-1	-1	-1	-41	-15	-4	-1	0	0	0	0	8	1
375S	-49	-34	-16	-6	-4	-1	-1	-1	-52	-20	-6	-2	0	0	0	0	13	1
350S	-52	-38	-18	-7	-4	-1	-1	-1	-39	-16	-5	-2	0	0	0	1	18	1
325S	-54	-45	-22	-9	-5	-2	-1	-1	-69	-29	-9	-2	0	0	0	1	24	1
300S	-62	-54	-28	-11	-6	-2	-2	-1	-84	-35	-13	-4	0	0	0	0	35	1
275S	-78	-71	-37	-16	-8	-4	-2	-1	-105	-48	-19	-4	0	0	1	1	48	1
250S	-83	-77	-42	-19	-9	-4	-3	-2	-105	-52	-21	-7	-1	-1	1	1	56	1
225S	-94	-90	-49	-23	-11	-5	-3	-2	-145	-66	-27	-9	-2	0	1	1	68	1
200S	-89	-91	-52	-26	-12	-6	-3	-3	-145	-74	-29	-10	-1	-1	0	1	77	1
175S	-100	-101	-58	-29	-15	-7	-4	-3	-175	-92	-35	-14	-4	-1	1	-1	87	1
150S	-110	-110	-65	-35	-19	-8	-5	-3	-155	-90	-36	-14	-2	0	-2	-2	95	1
125S	-108	-115	-70	-37	-19	-9	-5	-2	-240	-140	-47	-16	-4	-2	2	-2	1	97
100S	-93	-98	-63	-36	-19	-9	-6	-4	-200	-110	-45	-17	-4	-1	1	0	1	84
75S	-71	-86	-58	-34	-19	-10	-5	-3	-200	-110	-46	-16	-4	-1	-1	0	1	74
50S	-55	-73	-52	-32	-18	-9	-5	-4	-170	-96	-38	-16	-4	0	-1	-1	1	64
25S	-52	-69	-51	-29	-19	-9	-5	-3	-155	-91	-37	-16	-4	-2	-1	0	1	57
0N	-46	-59	-47	-30	-18	-9	-6	-3	-150	-85	-35	-14	-5	-2	0	0	1	50
50N	-32	-51	-44	-29	-19	-9	-5	-2	-130	-76	-34	-14	-4	-2	0	1	1	41
75N	-24	-44	-38	-28	-18	-9	-5	-3	-105	-71	-33	-16	-4	-3	-1	1	1	37
100N	-24	-40	-38	-26	-16	-8	-5	-4	-88	-60	-29	-12	-4	0	0	0	1	31
125N	-21	-39	-38	-26	-18	-9	-6	-3	-92	-66	-32	-14	-5	-2	0	-1	1	29
150N	-13	-36	-35	-26	-16	-8	-5	-4	-80	-58	-29	-14	-4	-1	-1	0	1	27
175N	-13	-33	-33	-26	-16	-8	-5	-4	-74	-54	-30	-11	-4	-2	-2	1	1	24
200N	-12	-39	-30	-24	-15	-8	-5	-3	-68	-52	-27	-14	-5	-1	0	0	1	21
225N	-13	-30	-32	-26	-16	-8	-5	-3	-71	-55	-30	-16	-5	-1	-1	-1	1	21
250N	-13	-30	-32	-24	-16	-9	-5	-3	-64	-50	-27	-15	-6	-2	-1	1	1	19
275N	-14	-30	-31	-25	-17	-9	-4	-2	-62	-51	-30	-18	-6	-4	0	-1	1	18
300N	-9	-28	-30	-26	-18	-9	-5	-2	-64	-51	-30	-18	-8	-3	0	0	1	17
325N	-10	-28	-29	-24	-16	-8	-5	-2	-62	-52	-32	-20	-8	-4	0	-1	1	16
350N	-9	-26	-29	-23	-16	-7	-5	-3	-61	-54	-34	-21	-7	-3	-1	0	1	14
375N	-8	-25	-29	-24	-16	-8	-5	-3	-62	-57	-36	-24	-10	-3	-1	1	1	14

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300N	-3	-20	-26	-24	-16	-7	-5	-4	-49	-44	-28	-16	-7	-3	-2	-1	1	16
275N	-4	-21	-27	-24	-17	-9	-6	-3	-2	-54	-46	-29	-18	-7	-1	-1	1	18
250N	-1	-22	-27	-24	-16	-8	-4	-3	-58	-49	-29	-18	-6	-4	-2	0	1	18
225N	-7	-23	-27	-24	-16	-9	-5	-3	-55	-44	-26	-16	-7	-2	-2	0	1	19
200N	-8	-26	-28	-24	-15	-8	-5	-2	-56	-43	-24	-14	-5	-4	0	0	1	21
175N	-5	-25	-29	-23	-16	-8	-4	-4	-61	-48	-26	-14	-4	0	0	-2	1	23
150N	-7	-29	-30	-24	-15	-8	-5	-3	-65	-49	-26	-14	-5	-2	1	0	1	25
125N	-9	-30	-32	-25	-16	-8	-4	-2	-72	-56	-30	-14	-6	-4	-1	2	1	28
100N	-10	-31	-30	-24	-16	-7	-4	-3	-56	-42	-24	-11	-5	-2	-2	-1	1	29
75N	-11	-32	-32	-26	-16	-8	-5	-4	-65	-48	-27	-11	-3	-1	-2	-2	1	31
50N	-11	-34	-33	-25	-16	-8	-4	-3	-67	-49	-27	-12	-4	-2	0	1	1	34
25N	-9	-34	-34	-26	-16	-8	-5	-3	-80	-57	-30	-10	-3	-1	-1	-1	1	37
0N	-16	-41	-38	-27	-16	-9	-5	-5	-80	-56	-29	-12	-3	0	0	0	1	41
25S	-12	-42	-40	-28	-17	-8	-5	-3	-95	-65	-32	-11	-3	0	1	1	1	47
50S	-23	-48	-43	-29	-17	-7	-5	-2	-83	-59	-28	-11	-3	1	0	0	1	52
75S	-29	-52	-44	-29	-16	-7	-5	-4	-94	-65	-30	-11	-1	-2	-2	-2	1	59
100S	-17	-53	-47	-30	-18	-8	-5	-3	-108	-72	-32	-14	-3	-2	-1	2	1	68
125S	-14	-56	-50	-32	-18	-9	-5	-3	-110	-72	-33	-14	-4	-2	-2	1	1	77
150S	-19	-64	-53	-33	-18	-9	-6	-4	-140	-83	-36	-14	-3	-1	0	0	1	87
175S	-24	-70	-56	-34	-18	-9	-5	-5	-140	-79	-35	-16	-3	-1	-1	1	1	98
200S	-33	-71	-54	-31	-16	-8	-5	-3	-115	-69	-31	-10	-2	0	0	-1	95	1
225S	-32	-69	-51	-29	-15	-7	-4	-3	-110	-66	-29	-9	-2	0	0	0	88	1
250S	-26	-60	-45	-24	-12	-6	-4	-2	-102	-59	-26	-8	-2	0	0	0	78	1
275S	-24	-54	-40	-22	-11	-5	-3	-1	-83	-44	-21	-6	-1	-1	-1	1	67	1
300S	-27	-52	-37	-20	-10	-5	-3	-2	-61	-32	-13	-4	0	0	0	0	61	1
325S	-19	-42	-31	-16	-8	-3	-2	-2	-54	-29	-10	-4	0	-1	0	0	50	1
350S	-19	-36	-27	-14	-7	-3	-2	-1	-60	-29	-10	-3	0	0	0	1	41	1
375S	-14	-32	-24	-12	-7	-2	-1	-1	-58	-26	-9	-3	0	0	0	0	34	1
400S	-21	-29	-21	-10	-6	-2	-1	-1	-45	-20	-6	-3	0	0	0	0	27	1

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
425S	-21	-24	-17	-8	-5	-2	-1	-1	-36	-16	-4	-1	0	0	0	1	20	1
450S	-15	-18	-14	-6	-4	-1	-1	-1	-18	-5	-2	0	0	0	0	0	15	1

Line 600E, Loop B, perimeter 700E, 1000E, 500S and 650S, Survey date 13/06/86

450S	-84	-43	-19	-8	-5	-1	-1	-1	10	3	1	0	0	0	0	0	22	1
425S	-92	-48	-22	-10	-6	-2	-1	-1	1	0	0	0	0	0	0	0	27	1
400S	-98	-54	-25	-11	-7	-2	-1	-1	-9	-4	-2	-2	0	0	0	0	37	1
375S	-120	-63	-30	-13	-7	-3	-2	-1	-12	-6	-1	-1	1	0	1	0	43	1
350S	-135	-75	-36	-16	-8	-3	-2	-1	-2	0	0	0	0	0	0	0	51	1
325S	-145	-83	-40	-19	-9	-4	-2	-2	-16	-4	-1	0	1	0	-1	0	58	1
300S	-160	-96	-47	-24	-11	-5	-3	-2	-39	-15	-4	-2	0	0	0	-1	69	1
275S	-200	-110	-54	-20	-12	-5	-3	-2	-45	-11	-1	0	1	0	0	0	77	1
250S	-220	-120	-60	-29	-14	-6	-3	-1	-57	-16	-3	-1	1	0	0	0	85	1
225S	-230	-130	-64	-34	-16	-6	-3	-2	-92	-30	-8	-4	-1	0	1	1	94	1
200S	-255	-140	-71	-36	-19	-8	-5	-3	-115	-38	-11	-4	-2	-2	-1	-1	1	1
175S	-240	-140	-71	-37	-19	-8	-4	-2	-97	-31	-7	-2	0	0	2	1	1	90
150S	-205	-125	-66	-36	-19	-7	-3	-3	-93	-33	-10	-3	-2	-1	0	0	1	81
125S	-210	-125	-69	-36	-19	-8	-5	-2	-140	-46	-15	-5	-3	-1	-2	-1	1	75
100S	-180	-115	-66	-34	-19	-8	-5	-3	-115	-42	-14	-4	-3	-1	1	0	1	67
75S	-150	-110	-62	-33	-17	-7	-3	-3	-105	-42	-14	-5	-4	-2	-2	-2	1	59
50S	-140	-105	-60	-32	-16	-7	-4	-2	-85	-30	-9	-3	-2	-1	0	0	1	54
25S	-120	-91	-54	-30	-16	-7	-4	-2	-75	-33	-14	-6	-1	-1	1	1	1	46
0N	-125	-95	-57	-32	-17	-7	-4	-2	-90	-36	-11	-4	-1	-1	0	-1	1	45
25N	-120	-90	-55	-32	-16	-7	-5	-3	-79	-33	-14	-6	-2	0	0	-1	1	41
50N	-105	-82	-49	-29	-16	-7	-4	-3	-62	-24	-12	-5	-3	-2	0	1	1	36
75N	-100	-80	-50	-29	-15	-7	-4	-2	-74	-33	-15	-8	-2	-1	0	0	1	34
100N	-95	-79	-50	-29	-16	-7	-4	-1	-72	-34	-16	-7	-5	-2	0	0	1	32
125N	-90	-75	-48	-27	-16	-7	-3	-2	-66	-32	-15	-8	-3	-2	-1	-1	1	28
150N	-84	-72	-48	-28	-16	-7	-5	-4	-67	-33	-16	-6	-4	-2	-2	0	1	27
175N	-78	-68	-46	-27	-16	-8	-4	-2	-61	-30	-16	-6	-4	-3	-2	0	1	25
200N	-74	-69	-46	-26	-16	-7	-5	-3	-60	-29	-14	-8	-4	-2	1	0	1	24
225N	-78	-71	-49	-28	-16	-7	-4	-3	-55	-26	-12	-8	-3	-2	0	0	1	22
250N	-74	-70	-49	-29	-16	-7	-3	-2	-59	-32	-15	-7	-4	-4	-1	0	1	21
275N	-71	-70	-50	-28	-15	-6	-4	-3	-84	-39	-20	-10	-3	-3	-2	0	1	20
300N	-64	-70	-51	-30	-17	-8	-5	-4	-65	-34	-14	-11	-4	-1	1	0	1	19
325N	-62	-73	-53	-31	-16	-6	-3	-2	-65	-36	-17	-8	-4	-4	-2	0	1	16
350N	-59	-69	-52	-30	-16	-7	-4	-3	-58	-35	-17	-9	-4	-2	-1	-1	1	16
375N	-56	-69	-53	-31	-16	-7	-4	-1	-65	-42	-23	-11	-6	-2	-1	0	1	16
400N	-50	-69	-54	-31	-16	-7	-4	-3	-75	-50	-25	-14	-7	-3	0	0	1	15

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400N	-55	-73	-56	-34	-18	-8	-4	-3	-92	-59	-30	-18	-5	-3	0	2	1	17
375N	-61	-74	-54	-31	-19	-9	-5	-3	-76	-50	-26	-16	-6	-3	-2	-1	1	19
350N	-65	-75	-56	-34	-16	-9	-6	-4	-76	-47	-24	-16	-7	-3	-2	-1	1	19
325N	-68	-80	-59	-35	-20	-8	-5	-4	-82	-49	-24	-14	-5	-3	-2	-2	1	21
300N	-69	-76	-56	-34	-19	-8	-5	-3	-68	-39	-22	-11	-6	-5	-2	0	1	22
275N	-70	-78	-58	-34	-20	-9	-6	-2	-75	-42	-22	-11	-4	-2	-1	0	1	23
250N	-71	-75	-55	-32	-18	-8	-4	-3	-70	-39	-21	-10	-5	-2	-1	-1	1	24
225N	-72	-76	-55	-32	-19	-9	-5	-3	-71	-39	-19	-10	-5	-4	-1	0	1	25
200N	-71	-74	-53	-32	-17	-8	-4	-3	-68	-36	-17	-9	-4	-3	2	0	1	26
175N	-80	-79	-54	-33	-19	-9	-5	-3	-79	-37	-17	-8	-2	0	0	-1	1	28
150N	-90	-83	-53	-32	-19	-8	-5	-3	-90	-41	-19	-9	-5	-3	-1	0	1	31
125N	-99	-85	-55	-31	-18	-9	-5	-4	-87	-38	-16	-8	-3	-3	-2	-2	1	33
100N	-110	-89	-56	-32	-19	-9	-4	-3	-99	-42	-18	-8	-3	-2	0	1	1	36
75N	-115	-89	-55	-32	-19	-8	-5	-2	-96	-42	-17	-8	-3	-2	-2	-1	1	38
50N	-120	-91	-56	-32	-17	-8	-4	-1	-94	-42	-18	-8	-3	-2	-1	0	1	41
25N	-130	-99	-59	-34	-19	-8	-5	-3	-110	-47	-20	-9	-2	-2	-1	-1	1	47
0N	-140	-100	-60	-35	-19	-8	-4	-3	-100	-43	-18	-8	-3	-2	-1	0	1	51
25S	-140	-105	-62	-35	-19	-8	-5	-3	-100	-42	-17	-6	-3	-2	-1	1	1	56
50S	-140	-110	-61	-34	-19	-8	-6	-4	-90	-40	-16	-7	-3	-1	0	1	1	61

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
75S	-160	-115	-65	-36	-20	-9	-5	-3	-110	-41	-16	-7	-2	-2	0	-1	1	71
100S	-180	-115	-66	-36	-20	-9	-3	-2	-105	-40	-14	-5	-2	-1	-1	-2	1	77
125S	-200	-125	-69	-37	-20	-9	-4	-4	-140	-41	-12	-6	-2	-2	0	1	1	88
150S	-205	-130	-69	-37	-21	-8	-4	-2	-100	-37	-10	-4	-1	0	0	2	1	92
175S	-210	-125	-66	-35	-19	-8	-4	-3	-105	-39	-12	-5	-2	-1	0	2	94	1
200S	-175	-109	-56	-29	-15	-6	-4	-3	-75	-28	-9	-3	-1	-1	0	0	85	1
225S	-180	-105	-52	-26	-14	-5	-3	-2	-88	-29	-9	-4	-1	-1	0	0	76	1
250S	-170	-92	-46	-24	-12	-5	-3	-2	-59	-17	-4	-2	0	-1	1	0	67	1
275S	-130	-73	-37	-19	-10	-5	-2	-2	-34	-12	-3	-2	0	-1	0	0	56	1
300S	-120	-66	-33	-17	-9	-4	-2	-1	-24	-7	-1	0	1	1	0	0	48	1
325S	-108	-54	-26	-12	-7	-3	-1	-1	-14	-4	0	0	0	0	0	0	39	1
350S	-90	-45	-21	-10	-6	-2	-1	-1	-9	-3	0	0	0	0	0	0	30	1
375S	-64	-33	-16	-7	-5	-2	-1	-1	-3	-2	-1	-1	0	0	0	0	21	1
400S	-47	-25	-12	-6	-4	-1	-1	0	-1	-1	0	0	0	0	0	0	14	1
425S	-31	-13	-5	-1	-1	0	0	0	0	-1	-1	-1	0	-1	0	0	9	1
450S	-19	-9	-5	-2	-1	0	0	0	1	0	0	0	0	0	0	0	6	1

Line 800E, Loop B, perimeter 700E, 1000E, 500S and 650S, Survey date 13/06/86

450S	-7	-3	-1	0	0	0	0	-1	0	1	1	0	1	0	0	0	3	1
425S	-13	-8	-4	-2	-2	-1	-1	-1	-2	0	0	0	1	0	0	1	6	1
400S	-21	-10	-5	-1	-1	0	0	-1	-2	-1	0	0	0	0	1	1	8	1
375S	-31	-16	-7	-3	-2	-1	-1	-1	-3	0	1	1	1	1	1	1	11	1
350S	-48	-26	-13	-6	-4	-2	-1	-1	-7	-2	0	0	1	1	1	1	16	1
325S	-61	-33	-16	-8	-6	-3	-2	-1	-14	-4	-1	-1	0	0	0	0	21	1
300S	-78	-44	-24	-12	-7	-4	-2	-1	-21	-8	-3	-2	0	0	0	1	31	1
275S	-100	-54	-29	-14	-9	-4	-2	-2	-32	-10	-3	-1	0	0	0	0	41	1
250S	-115	-66	-36	-19	-10	-5	-3	-2	-43	-16	-5	-2	0	0	1	1	53	1
225S	-125	-74	-40	-20	-11	-6	-3	-2	-50	-19	-6	-3	0	1	1	1	65	1
200S	-135	-85	-46	-24	-12	-6	-3	-2	-62	-24	-8	-4	-1	0	0	1	73	1
175S	-155	-101	-55	-30	-15	-7	-4	-3	-82	-31	-11	-5	-2	-1	0	1	86	1
150S	-200	-115	-61	-34	-16	-8	-5	-2	-110	-38	-12	-6	-2	-1	0	0	91	1
125S	-195	-120	-66	-36	-20	-8	-5	-2	-108	-40	-15	-5	-2	-1	-1	1	98	1
100S	-190	-115	-68	-36	-21	-9	-6	-4	-110	-44	-16	-7	-3	-2	1	1	1	92
75S	-180	-115	-68	-37	-20	-10	-6	-4	-115	-48	-19	-8	-3	-1	0	-1	1	82
50S	-160	-115	-66	-36	-21	-10	-5	-4	-125	-47	-19	-9	-3	-2	-1	0	1	71
25S	-155	-115	-66	-36	-20	-10	-6	-3	-130	-48	-19	-10	-5	-3	-2	-2	1	63
0N	-150	-111	-65	-36	-21	-10	-4	-3	-130	-48	-19	-7	-4	-1	0	1	1	57
25N	-135	-105	-64	-36	-20	-9	-6	-3	-130	-50	-20	-10	-5	-3	-1	0	1	52
50N	-125	-100	-63	-35	-21	-10	-5	-3	-110	-47	-21	-9	-3	-2	1	2	1	46
75N	-115	-96	-60	-35	-20	-9	-5	-4	-101	-45	-20	-9	-4	-1	0	1	1	41
100N	-110	-94	-61	-20	-9	-5	-2	-3	-102	-46	-22	-10	-6	-3	0	0	1	38
125N	-118	-89	-58	-34	-19	-9	-5	-3	-94	-44	-20	-10	-5	-3	-1	-1	1	35
150N	-92	-88	-58	-34	-19	-9	-4	-4	-90	-46	-21	-11	-5	-1	0	-1	1	32
175N	-90	-87	-59	-34	-19	-8	-4	-3	-92	-45	-22	-11	-5	-3	-3	-1	1	31
200N	-85	-84	-59	-34	-19	-9	-5	-4	-84	-45	-23	-11	-5	-3	-2	-1	1	28
225N	-81	-83	-58	-34	-19	-9	-5	-4	-84	-46	-22	-14	-6	-3	-2	-1	1	26
250N	-79	-81	-57	-34	-19	-9	-5	-3	-84	-48	-24	-15	-6	-3	-1	0	1	24
275N	-71	-79	-56	-34	-19	-9	-5	-3	-80	-48	-25	-14	-5	-2	-2	-1	1	22
300N	-69	-76	-56	-34	-19	-9	-4	-3	-76	-48	-25	-15	-5	-2	-1	0	1	22
325N	-67	-78	-58	-34	-19	-9	-4	-2	-81	-52	-27	-17	-7	-5	-1	-1	1	21
350N	-60	-75	-57	-34	-19	-9	-5	-3	-96	-64	-32	-19	-8	-3	-1	-1	1	19
375N	-51	-66	-53	-32	-18	-8	-3	-2	-81	-57	-32	-19	-8	-3	-1	-1	1	16

Line 900E, Loop B, perimeter 700E, 1000E, 500S and 650S, Survey date 12/06/86

450S	-6	-1	1	2	1	1	0	0	2	0	0	-1	0	-1	0	0	2	1
425S	-11	-3	-1	1	1	1	0	0	1	0	0	0	0	-1	0	0	4	1
400S	-20	-10	-6	-3	-2	0	0	0	1	0	0	0	0	0	0	0	6	1
375S	-31	-16	-9	-5	-3	-1	-1	0	-2	-2	-1	-1	0	-1	0	0	10	1
350S	-34	-15	-7	-3	-1	0	0	0	-4	-2	0	0	0	0	0	0	14	1
325S	-46	-23	-10	-4	-2	0	0	0	-6	-3	-1	-1	0	-1	0	0	20	1

STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
300S	-56	-29	-14	-6	-4	-1	-1	0	-10	-4	-2	-1	0	-1	0	0	26	1
275S	-83	-41	-20	-10	-6	-2	-1	-1	-22	-8	-3	-2	-1	-1	0	0	36	1
250S	-91	-50	-27	-14	-7	-3	-2	-1	-24	-9	-4	-3	-1	-1	0	0	47	1
225S	-110	-60	-34	-17	-9	-4	-2	-1	-36	-16	-5	-2	-1	-1	0	-1	60	1
200S	-135	-80	-46	-24	-13	-5	-3	-2	-55	-24	-8	-5	0	0	-2	-2	78	1
175S	-150	-93	-52	-29	-15	-6	-4	-2	-74	-29	-9	-5	-1	-1	-1	-1	85	1
150S	-190-110	-60	-33	-17	-7	-4	-2	-2	-94	-35	-14	-5	-3	-3	-2	-1	93	1
125S	-190-115	-66	-36	-20	-8	-5	-2	-2	-108	-40	-18	-8	-4	-3	0	0	99	1
100S	-195-120	-69	-36	-20	-9	-5	-3	-3	-145	-45	-19	-8	-3	-3	-1	0	1	91
75S	-200-120	-69	-36	-19	-7	-4	-2	-2	-155	-50	-20	-9	-2	-2	-1	-1	1	81
50S	-190-120	-70	-38	-20	-9	-5	-2	-2	-175	-52	-22	-9	-4	-3	0	-1	1	71
25S	-160-112	-66	-36	-20	-8	-4	-2	-2	-140	-48	-20	-9	-4	-1	1	1	1	66
0N	-145-110	-64	-36	-20	-8	-4	-4	-4	-120	-49	-21	-10	-4	-1	-1	-2	1	56
25N	-130	-99	-62	-35	-19	-8	-4	-2	-94	-42	-19	-10	-4	-2	0	-1	1	51
50N	-140-105	-65	-36	-20	-9	-4	-3	-3	-115	-49	-22	-10	-4	-4	1	1	1	48
75N	-120-105	-65	-35	-19	-8	-5	-2	-2	-140	-51	-24	-9	-4	-3	-2	-1	1	44
100N	-115-100	-64	-36	-20	-8	-5	-3	-3	-115	-52	-24	-10	-5	-3	-1	-1	1	39
125N	-110	-96	-63	-36	-19	-7	-4	-2	-108	-49	-23	-9	-3	-1	-1	0	1	36
150N	-105	-94	-62	-36	-20	-9	-5	-4	-100	-48	-23	-12	-5	-4	0	-1	1	38
175N	-96	-91	-61	-35	-20	-8	-4	-4	-100	-52	-25	-12	-7	-5	-2	0	1	31
200N	-89	-86	-60	-34	-19	-8	-5	-2	-94	-52	-24	-13	-6	-3	-1	-1	1	28
225N	-83	-86	-60	-38	-19	-9	-5	-3	-95	-55	-26	-16	-7	-4	-1	-1	1	27
250N	-76	-80	-56	-35	-19	-8	-6	-2	-80	-50	-25	-15	-6	-4	-2	-2	1	24
275N	-74	-81	-59	-35	-20	-8	-5	-2	-90	-53	-28	-16	-8	-5	-2	-1	1	23
300N	-74	-80	-58	-35	-20	-9	-5	-4	-84	-55	-29	-19	-8	-3	0	1	1	21
325N	-69	-79	-58	-34	-18	-8	-5	-2	-86	-57	-30	-19	-6	-4	-1	0	1	20
350N	-61	-75	-57	-34	-48	-8	-4	-2	-85	-59	-31	-20	-7	-4	-3	-1	1	19

Line 1000E, Loop B, perimeter 700E, 1000E, 500S and 650S, Survey date 12/06/86

375N	-72	-90	-68	-39	-21	-9	-5	-3	-140-100	-58	-31	-11	-4	-2	-2	1	20	
350N	-71	-90	-66	-38	-21	-8	-4	-3	-110	-82	-47	-27	-11	-3	-1	2	1	21
325N	-76	-93	-67	-38	-19	-8	-4	-3	-105	-76	-41	-24	-10	-3	-1	1	1	22
300N	-79	-94	-68	-39	-21	-8	-5	-3	-110	-75	-40	-24	-9	-5	-2	-2	1	24
250N	-86	-94	-64	-36	-20	-9	-5	-4	-105	-66	-33	-20	-8	-4	-2	0	1	26
225N	-89	-94	-66	-38	-21	-7	-5	-2	-105	-62	-31	-19	-7	-4	-2	-1	1	27
200N	-96	-94	-64	-36	-20	-9	-5	-4	-99	-55	-27	-16	-5	-3	-2	-1	1	28
175N	-105-101	-69	-38	-22	-10	-4	-3	-3	-115	-59	-28	-16	-6	-2	-2	1	1	32
150N	-110-100	-66	-38	-21	-8	-6	-3	-3	-105	-54	-25	-15	-6	-4	-1	-1	1	35
125N	-112-100	-66	-38	-20	-10	-5	-2	-2	-96	-49	-24	-12	-5	-2	-2	-1	1	36
100N	-120-105	-65	-38	-22	-9	-6	-4	-4	-110	-54	-24	-16	-6	-3	-2	-2	1	38
75N	-120-100	-65	-36	-21	-8	-5	-2	-2	-99	-47	-24	-11	-5	-3	-1	1	1	42
50N	-125-108	-66	-39	-19	-9	-5	-3	-3	-95	-44	-21	-11	-7	-5	-2	-1	1	46
25N	-140-111	-70	-40	-20	-10	-6	-4	-4	-140	-53	-24	-12	-4	-2	0	-1	1	51
0N	-145-111	-67	-39	-21	-9	-6	-3	-3	-140	-50	-22	-10	-4	-3	-2	-1	1	56
25S	-145-110	-68	-38	-21	-10	-5	-3	-3	-140	-47	-20	-9	-3	-2	1	0	1	62
50S	-160-115	-69	-39	-22	-9	-5	-2	-2	-115	-44	-19	-9	-4	-2	-1	0	1	78
75S	-195-125	-69	-39	-22	-10	-5	-2	-2	-160	-49	-21	-9	-3	-1	0	0	1	91
100S	-160-115	-66	-38	-21	-9	-4	-3	-3	-100	-40	-17	-7	-3	-2	1	0	1	98
125S	-190-110	-61	-34	-19	-8	-5	-2	-2	-92	-34	-15	-7	-4	0	1	1	94	1
150S	-150	-94	-54	-29	-16	-7	-4	-1	-72	-26	-10	-5	-2	-2	-1	0	87	1
175S	-130	-82	-48	-26	-15	-6	-3	-2	-60	-24	-9	-5	-1	0	0	0	78	1
200S	-120	-71	-40	-22	-12	-5	-3	-2	-45	-19	-7	-3	-1	0	0	0	89	1
225S	-102	-61	-35	-19	-10	-5	-3	-1	-33	-16	-6	-3	-1	-1	0	0	61	1
250S	-94	-53	-30	-16	-9	-5	-2	-1	-29	-10	-4	-2	0	0	0	0	51	1
275S	-78	-44	-24	-12	-7	-2	-2	-1	-17	-7	-2	-2	0	0	0	1	43	1
300S	-62	-36	-20	-10	-6	-3	-2	-1	-10	-5	-2	-1	0	-1	0	0	36	1
325S	-54	-29	-15	-7	-5	-2	-1	-1	-8	-3	-1	-1	0	0	0	0	26	1
350S	-46	-24	-12	-6	-4	-1	-1	-1	-4	-2	-1	-1	0	-1	0	0	21	1
375S	-35	-19	-10	-6	-4	-1	-1	0	-2	-2	-1	-1	0	0	0	0	17	1
400S	-26	-12	-8	-4	-3	-1	0	0	-1	-1	0	-1	0	-1	0	0	11	1

Line 1100E, Loop B, perimeter 700E, 1000E, 500S and 650S, Survey date 12/06/86

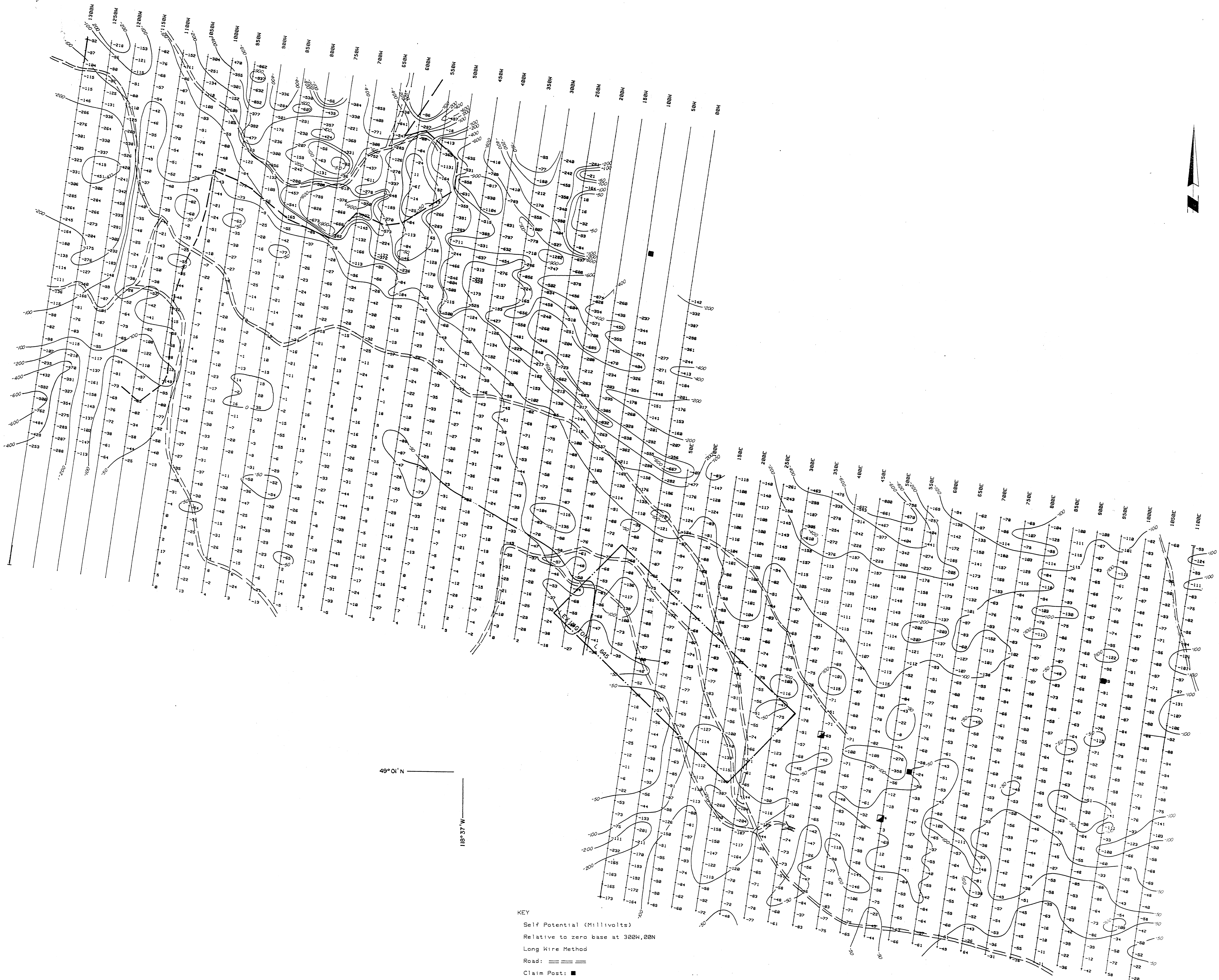
STATION	V1	V2	V3	V4	V5	V6	V7	V8	H1	H2	H3	H4	H5	H6	H7	H8	G	PP
425S	-41	-24	-14	-7	-5	-3	-2	-1	-6	-1	0	0	1	0	0	1	20	1
400S	-49	-28	-16	-8	-6	-3	-2	-1	-5	-2	-1	-1	0	0	0	0	25	1
375S	-56	-34	-20	-10	-7	-4	-2	-2	-15	-6	-2	-1	0	1	1	1	30	1
350S	-69	-41	-24	-13	-8	-5	-2	-2	-19	-8	-4	-2	0	0	0	1	38	1
325S	-79	-46	-26	-14	-8	-4	-2	-2	-22	-8	-3	-2	-1	0	0	0	45	1
300S	-95	-56	-32	-18	-10	-5	-3	-2	-28	-10	-4	-2	0	1	0	0	54	1
275S	-112	-69	-40	-23	-13	-6	-4	-3	-34	-15	-6	-3	-1	0	0	1	66	1
250S	-120	-72	-44	-24	-14	-6	-4	-3	-35	-14	-5	-3	-1	-1	0	1	71	1
225S	-140	-86	-51	-28	-16	-7	-4	-2	-45	-19	-8	-4	-1	-1	0	0	80	1
200S	-150	-94	-55	-30	-17	-8	-4	-2	-67	-28	-12	-6	-3	-2	-1	-1	87	1
175S	-160-110	-64	-36	-20	-9	-5	-4	-4	-74	-29	-15	-7	-3	0	1	1	95	1
150S	-190-130	-71	-41	-23	-10	-6	-3	-3	-94	-34	-15	-6	-1	-1	0	0	1	97
125S	-190-125	-71	-41	-23	-11	-6	-3	-3	-110	-40	-17	-7	-1	0	2	0	1	90
100S	-180-120	-70	-40	-22	-10	-5	-3	-3	-115	-44	-19	-9	-3	-1	0	0	1	78
75S	-165-115	-71	-40	-23	-10	-7	-3	-3	-125	-46	-19	-9	-3	-2	-1	-1	1	70
50S	-155-115	-70	-39	-22	-10	-5	-4	-4	-120	-44	-20	-10	-3	-1	-1	0	1	65
25S	-145-115	-70	-41	-23	-10	-5	-4	-4	-110	-46	-20	-10	-4	-2	-1	0	1	59
0N	-140-115	-71	-40	-22	-10	-5	-2	-2	-140	-55	-27	-14	-5	-2	-2	-1	1	53
25N	-140-110	-70	-40	-22	-10	-6	-4	-4	-110	-49	-24	-12	-4	-1	0	0	1	48
50N	-125-110	-68	-38	-22	-10	-5	-3	-3	-98	-46	-24	-12	-4	-1	0	0	1	48
75N	-120-105	-66	-39	-22	-10	-5	-4	-4	-91	-46	-22	-14	-6	-3	0	1	1	38
100N	-120-108	-69	-39	-23	-10	-6	-3	-3	-110	-57	-28	-16	-6	-2	-1	0	1	36
125N	-115-105	-69	-39	-21	-10	-6	-3	-3	-105	-57	-29	-16	-6	-3	0	1	1	34
150N	-115-110	-71	-40	-22	-11	-5	-4	-4	-130	-63	-29	-16	-7	-3	-2	-2	1	33
175N	-112-110	-71	-41	-23	-11	-6	-3	-3	-103	-58	-29	-17	-6	-2	-1	0	1	31
225N	-96-100	-69	-40	-23	-10	-5	-3	-3	-120	-74	-38	-22	-9	-3	-1	2	1	27
250N	-88-101	-72	-41	-22	-10	-5	-3	-3	-140	-80	-42	-24	-9	-4	-1	2	1	25
275N	-84	-99	-70	-40	-22	-9	-5	-3	-135	-87	-47	-24	-11	-4	0	-2	1	23
300N	-78	-91	-66	-38	-22	-10	-6	-3	-140	-91	-52	-28	-9	-4	-1	1	1	22
325N	-65	-80	-60	-30	-19	-9	-5	-3	-130	-89	-50	-28	-10	-4	-2	-1	1	19
350N	-58	-75	-58	-36	-20	-9	-5	-3	-145-100	-59	-29	-14	-4	-2	-2	1	18	
375N	-42	-59	-50	-32	-19	-10	-5	-3	-150-115	-69	-35	-14	-3	-2	-2	1	16	
400N	-14	-29	-29	-22	-15	-8	-5	-3	-140-110	-66	-35	-16	-4	-1	-1	1	14	

A total of 722 stations were occupied, some 17.6 kilometres of line coverage on 23 lines.



STATEMENT OF COSTS

Linecutting	
K. Murray Contracting	\$13,136.25
Geophysics	
G. White Geophysical	17,225.00
Diamond Drilling	
Bergeron Drilling	54,367.50
Geologist	6,000.00
Room and Board	2,250.00
Transportation	2,000.00
Assaying	8,997.26
Total costs	<u>\$103,976.01</u>



0  
50  
100  
150  
200  
250  
300  
SCALE  
GRAMMS

KEY  
 Self Potential (Millivolts)  
 Relative to zero base at 300K,00N  
 Long Wire Method  
 Road: =====  
 Claim Post: ■  
 Claim Line: - - - - -

PART 2 OF 2  
 GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

16,417

METRES  
 0 25 50 75 100 125 150 175 200



0  
20  
40  
60  
80  
100  
120  
SCALE

49° 01' N  
118° 37' W

KEY  
 Inphase (%):  
 Quadrature (%):  
 VLF Transmitter NLK, Seattle, 24.8 kHz  
 Facing Direction: South  
 Road: ———  
 Claim Post: ■  
 Claim Line: ———

METRES  
 0 25 50 75 100 125 150 175 200

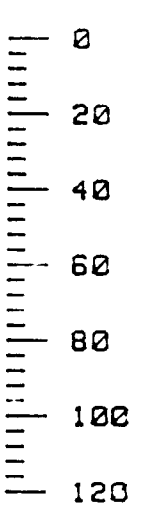
WHITE GEOPHYSICAL INC.

INSTRUMENT: SCINTREX IGS-2

**PART 2 OF 2**  
**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**  
**16,417**

CANADIAN PAWNEE OIL CORP.  
 LEXINGTON PROPERTY  
 COMPOSITE PROFILE MAP  
 INPHASE & QUADRATURE (PERCENT)  
 DATE: JULY/86  
 FIG.: 2C

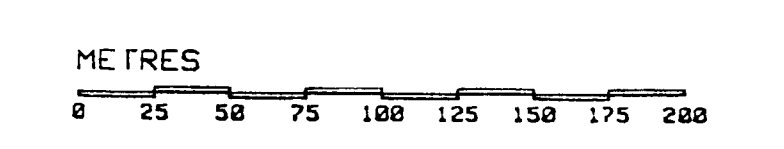
To accompany Geophysical Report on the LEXINGTON PROPERTY

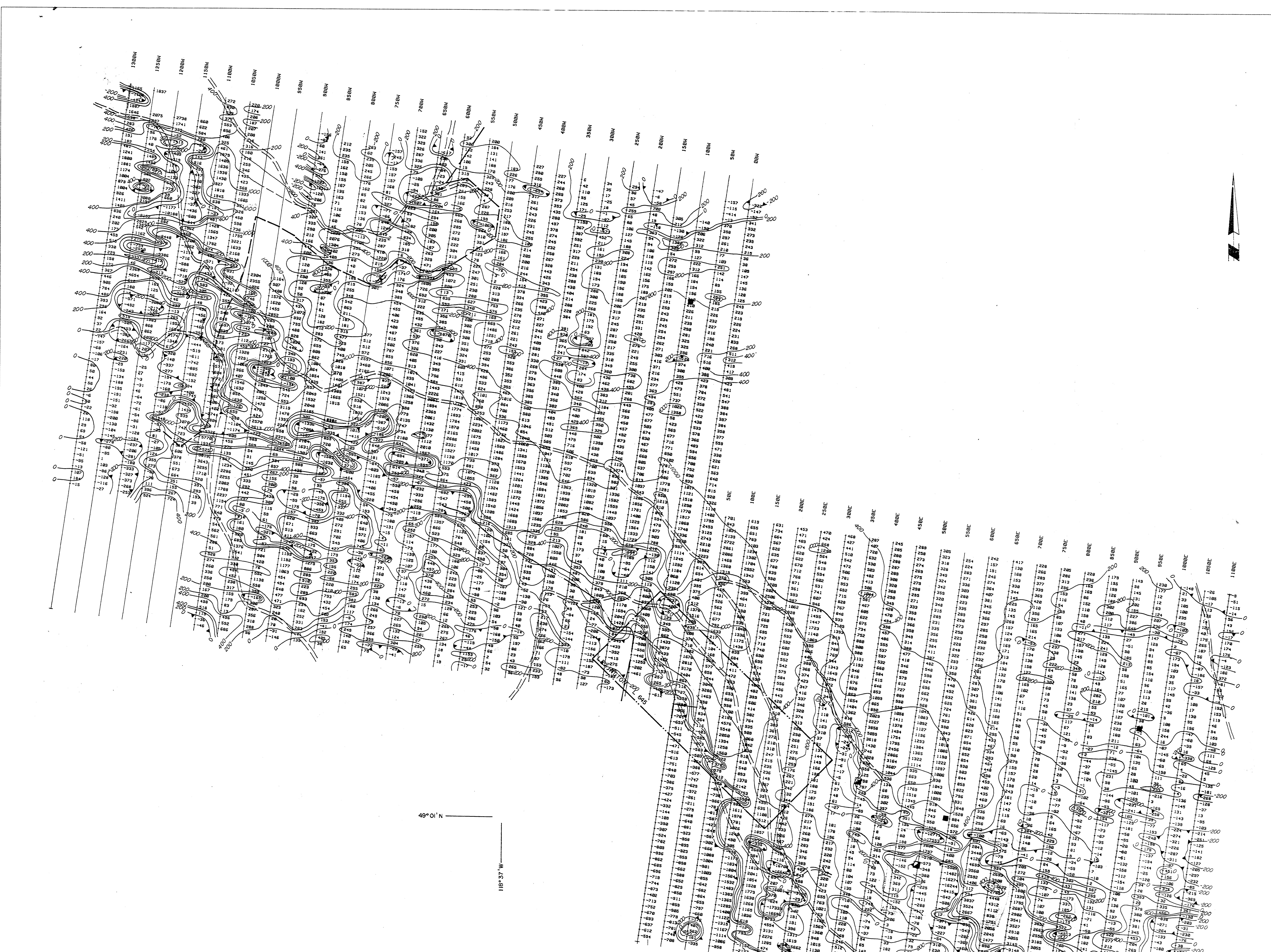


- KEY
- Fraser Filtered Vertical (Hz) Component, Channel 2: ———
  - Fraser Filtered Vertical (Hz) Component, Channel 3: ———
  - Fraser Filtered Vertical (Hz) Component, Channel 4: ———
  - Fraser Filter Window: 75 Metres
  - Conductor axis: ———
  - Road: ———
  - Claim Post: ■
  - Claim Line: ———

**PART 2 OF 2**  
 GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

**16,417**





SCALE  
0  
1000  
2000  
3000  
4000  
5000  
6000  
METRES

KEY  
Total Field Magnetic Intensity (nT)  
Corrected for diurnal variation  
Plotting Base: 57000 nT  
Road: ————  
Claim Post: ■  
Claim Line: —·—·—

PART 2 OF 2  
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,417

INSTRUMENT: SCINTREX IGS-2

CANADIAN PAWNEE OIL CORP.  
LEXINGTON PROPERTY  
COMPOSITE PROFILE MAP  
TOTAL FIELD MAGNETIC INTENSITY (nT)

DATE: JUN/86 FIG.: 2B

WHITE GEOPHYSICAL INC.

To accompany Geophysical Report on the LEXINGTON PROPERTY