F. Marshall Smith Consulting Inc.

218-744 West Hastings Street, Vancouver, British Columbia, Canada, V6C 1A5 Phone: (604)684-2361 or (604)271-6556

GEOCHEMICAL REPORT

on the

SPLIT PROPERTY (Split 1-5 Claims)

VERNON MINING DIVISION

BRITISH COLUMBIA

Latitude: 49° 53'N Longitude: 118° 46'W

N.T.S. 82 E/15E

Owners: Steven E. Arnold, Site 23, Comp 23, RR #1 Vernon, B.C. V1T 6L4

and

Robert York-Hardy Site 6, Comp 45, RR #7 Vernon, B.C. V1T 7Z3

Operator: Triple Star Resource Corp. 530-800 W. Pender Street Vancouver, B.C. V6C 2V6

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David M. Nelles B.Sc.

January 10, 1987

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MINISTRY OF ENERGY, MINES

AND PETROLEUM RESOURCES

VANCOUVER, B.C.

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INTRODUCTION

The Split property, situated in the Vernon Mining Division approximately 55 kilometers east of Vernon, B.C., comprises two modified grid mineral claims totaling 33 units and three two-post claims all located in accordance with Ministry regulations.

The 1985-6 assessment program on the property consisted of two separate stream geochemical surveys, cat trenching and lithogeochemical sampling as well as a program of induced polarization-resistivity geophysics. A total of seven heavy mineral sediment (HMS), two panned concentrate, six stream sediment, eight soil and 2 lithogeochemical samples were extracted from the claims during July 1986, and 44 soil and 21 heavy mineral sediment samples during a follow-up program in October. Results from the geophysical survey can be found as Appendix 2 in the back of this report.

At the request of Mr David Konnert of Triple Star Resource Corp., the writer reviewed the relavent data generated from the 1985-6 program. That data was used to form the basis of this report.

LOCATION AND ACCESS

The Split property is situated in the Vernon Mining Division on N.T.S. sheet 82 E/15E, centered near on 49° 53' north latitude and 118° 46' west longitude, about 55 kilometers east of the town of Vernon, B.C. (Figure 1).

The property is accessed via the Kettle River Forest Access Road south of highway 6 at Spruce Grove, approximately 99 kilometers by road from Vernon, B.C. This gravel road parallels the Kettle River for several kilometers before crossing to the east side. Further access to to claims can be gained using a spur which crosses to the west side of the river near Stove Creek. This road, which, under most circumstances, can be negotiated by twowheel drive vehicles, is currently being used by various logging companies in the area and provides excellent access to the western part of the claims.

Vernon, the closest center providing facilities for both supplies and lodging as well as service by major airlines and railways, is located approximately 100 kilometers by road to the west.

PHYSIOGRAPHY AND VEGETATION

The property lies on the eastern margin of the Okanagan Highlands, just west of the Monashee (Columbia) Mountains and within the Omineca physiographic division of the Canadian Cordillera. The western claims are characterized by uneven terrain with local swampy areas and often precipitous scarps. The eastern claims lie on the west side of the Kettle River valley and are typified by steep slopes and well incised creeks. Elevations on the property range from 975 meters (3,200 feet) on Kettle River to over 1,600 meters (5,250 feet) on the west boundary of the Split 1 claim. The higher parts of the property are generally under snow until late May. As overburden masks much of the claims, only limited exposures of bedrock can be seen on ridge tops and in creek beds.

While extensive logging has and is presently being carried out in the area of the claims, original stands of lodgepole pine, fir balsam, spruce and alder still cover much of the property. Undergrowth is common over much of the claims, but is thickest in creek beds and near the river.

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PROPERTY

The Split property consists of two modified grid mineral and three two-post claims totaling 36 units staked in September, 1985 by the current owners Steven E. Arnold and Robert York-Hardy to cover ground immediately south of the Sab claims owned by Mowhawk Oil. The claims were recorded on November 8th, 1985 and were subsequently assigned record numbers 2028-2032 respectively. Triple Star Resource Corp. are presently operators of the property.

HISTORY

The property is located in an area that has seen active exploration dating back to the turn of the century. The most famous camp, the Boundary-Greenwood located 55 kilometers south of the property, produced significant quantities of copper as well as over one million ounces gold and 3.5 million ounces silver from approximately 35 million tons of ore. Most of the ore occurred as irregular replacement bodies in skarn formed through the metamorphism of Anarchist limestone.

The Lightning Peak camp 10 kilometers east of the Split claims also underwent active exploration, producing high grade silver ore into the 1930's. Renewed interest in this area has prompted recent activity around the old workings.

Recent programs of exploration in the the area of the Split property were carried out by Mowhawk Oil Co. Ltd. on their SAB claims just north of the property between 1973 and 1984. This work included prospecting, geological mapping, geophysics, geochemistry, trenching, stripping and percussion and diamond drilling. In addition, a 24.2 ton bulk sample grading 0.11 oz/t gold and 4.2 oz/t silver was shipped to Slocan City for metallurgical testing. While some interesting data was derived from these programs, the results were inconclusive.

In the course of the 1985-6 field program, a total of six stream sediment, 52 soil, 28 heavy mineral sediment, two panned concentrate, six stream sediment and two lithogeochemical samples were extracted from the property. In an effort to expose bebrock around intensely altered areas, a D-8 tractor was used to clear unconsolidated material. As overburden in the area was found to be excessively deep, trenching was found to be impractical.

REGIONAL GEOLOGY

The Split property is in an area of the Interior Plateau of British Columbia that is dominated by granitic rocks. These rocks belong to the Lower Cretaceous Nelson Intrusions and include granodiorite, porphyritic granite, diorite, monzonite and quartz monzonite.

To the south, these granitic rocks have intruded older paragneiss belonging to the Precambrian Monashee and Grand Forks groups. Pendants of paragneiss also occur within the intrusives northwest of the property. Northeast of the claims, two small pendants of rock originally mapped as paragneiss have been reclassified as belonging to the Permian Anarchist group.

The youngest rocks in the area occur west of the property, and have been mapped as plateau basalt belonging to the Tertiary Kamloops group.

GEOCHEMISTRY

In July 1986, as part of a preliminary exploration program, seven heavy mineral sediment samples were taken at key points on the property's main drainages (Figure 4). These samples consisted of approximately five kilograms of concentrate derived from between 0.25 - 0.75 cubic meters of alluvial material. This concentrate was placed in plastic bags, labelled and shipped to Chemex Labs in North Vancouver, B.C. Here, samples were first floated in tetrabromoethane to isolate minerals with a specific gravity greater than 2.95 +/- 0.1 grams/cubic centimeter. This fraction was then dried and separated into + and -140 mesh fractions. Subsamples of both fractions were then analyzed for gold.

Gold analysis required ten grams subsamples to be fused with ten milligrams of gold-free silver metal. The fusion was then cupelled and the resulting silver bead parted with dilute nitric acid and treated with aqua regia. The remaining salts were then dissolved in dilute HCl and analyzed for gold via atomic absorption spectrometer with a five parts per billion detection limit.

As the survey was completed during a dry summer, several of the creeks were found to be dry near their sources. As a result, six stream sediment samples were collected as an alternative where conditions did not permit the collection of heavy mineral sediment samples. Once extracted, the sediment samples were likewise shipped to Chemex Labs in North Vancouver, B.C. Here they were dried, pulverized to -100 mesh and split for gold and silver analysis.

The method for gold analysis is as described for heavy mineral sediment samples. Silver analysis required one gram portions of each sample to be digested in a concentrated nitric acid-aqua regia solution for approximately two hours. The digested sample was then cooled and made up to 25 ml with distilled water. The solution was then mixed and solids were allowed to settle. Silver concentration was determined using corrected atomic absorption techniques with a detection limit of 0.1 parts per million.

In an effort to detect any visible gold in the sediments of Zircon Creek, the property's main drainage, two panned concentrates were extracted below the main swamp. As little gold was observed, the samples were submitted for analysis. After being dried, seived to - 80 mesh and split, subsamples were digested in a nitric-aqua regia solution and analyzed by ICP (30 element). To complete the element spectrum subsamples were also analyzed for gold as described above.

In addition to sediment sampling, two lithogeochemical and eight soil samples were taken of and around altered bedrock. The former samples consisted of intensely altered, sheared granodiorite, while the latter samples were derived from around exposures of these rocks. The soils were analyzed as for stream sediments, while the rocks were fire assayed for both gold and silver. In this process, a 0.5 assay ton subsample is fused in litharge, carbonate and siliceous fluxes. The lead button containing the precious metals is then cupelled in a muffle furnace. The combined silver and gold is then weighed on a microbalance, parted, annealed and again weighed as gold, the difference in the two weighings being the total silver. The detection limits for this process are 0.003 oz/ton for gold and 0.01 oz/ton for silver.

Using the results of the preliminary program, additional heavy mineral sediment and soil sampling was carried out on the property in October 1986. During this program, 21 heavy mineral sediment and 44 soil samples were collected. Heavy mineral analysis was identical to that used in the previous program except that + and -80 mesh fractions were seperated. The soils were assayed for gold and silver as described above.

RESULTS AND INTERPRETATIONS

With the exception of the heavy mineral sediment geochemistry, results from both the summer and fall programs were uninformative. Values obtained from all of the soil, rock and stream sediment samples are considered to be in the background range and thus no target areas were defined.

While these results were disappointing, assay values from several of the heavy mineral sediment samples were significant. The best value was obtained on Zircon Creek near its confluence with Kettle River. When assayed, the coarse (+140) and fine (-140) fractions of sample HS-006 ran 46,251 and 780 ppb gold respectively. Samples containing coarse gold are interpreted as having been taken close to the bedrock source. Assuming this interpretation to be correct, the source of the gold should be proximal to the sample site. The sample was, however, taken below a precipitous, relatively inaccessable stretch of the creek, and the next closest sample was extracted over one and one half kilometers upstream. Thus, the source could be anywhere along this stretch. Most of the other anomalous samples were taken along the upper reaches of Zircon Creek and contained gold in the fine fraction. The significance of these anomalies is not known at present, but should be considered in subsequent programs. The obvious area of focus, should additional work be undertaken, should be in the area upstream from sample HS-006.

COST STATEMENT

July 14-18 1986

WAGES S. Coombes - 4.7 days @ \$225 S. Coombes - 0.9 days @ \$187.50 R. York Hardy - 3 days @ 200	\$1,057.50 \$168.75 \$600.00
ROOM AND BOARD	\$387.94
EQUIPMENT RENTAL	\$150.00
TRANSPORTATION Truck rental - 5 days + mileage	\$466.00
SAMPLE ANALYSIS 2 Panned Concentrate - 30 element ICP @ \$6.00	\$ 12.00
2 Rock - Au, Ag @ \$14.00	\$28.00
8 Soil - Au, Ag @ \$10.85	\$86.80
6 Silt - Au, Ag @ \$10.85	\$65.10
7 +140 mesh HMS - Au @ \$20.50	\$143.50
7 -140 mesh HMS - Au @ \$8.00	\$56.00
l Pulp - Au @ \$7.75	\$7.75
MANAGEMENT FEE	\$280.62
SUBTOTAL	\$3,509.96

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COST STATEMENT (continued)

October 1, 2, 7-11 and 13 1986

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WAGES	
R. York Hardy - 8 days @ 250	\$2,000.00
Assisstant - 4 days @ \$150	600.00
R. York-Hardy - 1 day @ 200.00	\$200.00
TRANSPORTATION	
Truck rental - 8 days @ \$45.00	\$360.00
Fuel	\$169.34
EQUIPMENT RENTAL	
Miscellaneous	\$230.00
CONSUMABLES	\$53.02
OFFICE EXPENSES	
Telephone	\$33.26
MISCELLANEOUS	\$47.23
SAMPLE ANALYSIS	
44 Soil - Au, Ag @ \$10.85	\$477.40
21 -80 mesh HMS - Au @ \$7.75	\$162.75
6 +80 mesh HMS - Au @ \$20.50	\$123.00
REPORT PREPARATION AND DRAFTING	\$1,200.00
SUBTOTAL	\$5,656.00
TOTAL	\$9,165.96

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CERTIFICATE OF QUALIFICATIONS

I, David M. Nelles, do hereby certify that:

1. I am a geologist with business offices at 218-744 West Hastings Street, Vancouver, British Columbia, and am employed by F. Marshall Smith Consulting Inc.

2. I am a graduate at the University of British Columbia with a Bachelor of Science degree in Geology.

3. This report is based on information generated during the 1986 assessment program supervised by Mr Bob York-Hardy. While having only visited the Split property briefly in May 1986, the author is familiar with the geological setting of the Kettle River area and has worked on several projects in the immediate area.

4. I currently have no interest in Triple Star Resource Corp. or its properties, nor do I expect to receive any.

Dated this 10th day of January, 1987 at Vancouver, British Columbia

and M Milles

David M. Nelles B.Sc.

APPENDIX A

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ASSAY CERTIFICATES

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Chemex Labs Ltd.

212 Brooksbank Ave. North Vancouver, B.C. Canada V7J 2C1 (604) 984-0221 043-52597

Phone: Geochemists • Registered Assayers Analytical Chemists • Telex: CERTIFICATE OF ASSAY CERT. # : A3615433-001-A TO : SEARCHLIGHT RESOURCES INC. INVCICE # : 18615433 : 30-JUL-86 DATE 218 - 744 W. HASTINGS ST. : NONE

ATTN: S. COCMBES

VANCOUVER, B.C.

V6C 1A5

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-	Samp	le	Prep	Ag	Au			
	descr	iption	code	oz/T	oz/T			
	R-01	ROCKS	208	<0.01	<0.002		 	
	R-C2	14	208	<0.01	<0.002		 	

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. . . . Registered Assayer, Province of British Columbia

P.C. #

SPLIT

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To: TRIPLE STAR RESOURCE CORP.

530 - 800 W. PENDER ST. Vancouver, B.C. V8C 1j8
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 Tot.
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 Date
 : 26-NOV-86

 Invoice #
 : I-8621194

 P.O. #
 : NONE

Project : Comments: ATTN: DAVID CONNERT

SAMPLE DESCRIPTIONS	PR CO	EP De	Ац ррб FA+AA					
HS 008 -20+80 HS 011 -20+80 HS 013 -20+80 HS 016 -20+80 HS 022 -20+80	213 213 213 213 213 213		<15 <10 <10 <5 <5	 	· · · · · · · · · · · · · · · · · · ·	 	 	
H8 028 -20+80	213		<10	 		 	 	
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Chemex Labs Ltd.

212 Brooksbank Ave. North Vancouver, B.C. Canada V7J 2C1 Phone: (604) 984-0221 Telex: 043-52597

Analytical Chemists • Geochemists • Registered Assayers

CERTIFICATE OF ANALYSIS

TC : SEARCHLIGHT RESOURCES INC.

218 - 744 W. HASTINGS ST. VANCOUVER. B.C. V6C 1A5

: A8615434-001-A CERT. # INVGICE # : 18615434 DATE : 31-JUL-86 P.C. # : NONE SPLIT

ATTN: S. COCHBES

	Sample	Prep	Ag ppm	aqq uA		
1	description	code	Aqua R	FA+AA		
	C-01 Soils	217	C.1	<5	 	
	C-02 I,	217	0.1	<5	 	
	SP-001 V	217	0.1	<5	 	
	SP-002	217	0.1	<5	 	
	SP-003	217	0.1	<5	 	 '
	SP-004	217	0.1	<5	 	 ·
	SP-005	217	0.1	<5	 	
	SP-006	217	0.1	<5	 	
	3+00 Stream Sed	° 217	0.1	<5	 	 وروب وغله
Į	4+00	217	0.1	<5	 	
	4+90	217	0.1	<5	 	
	6+00	217	0.1	<5	 	
	8+55	217	0.1	<5	 	
	14+80	217	0.1	<5	 	

Certified by .

Hart Buchler

C	hemex Labs Lte	d.	212 Br North ^V Canada	ooksbank Ave. Vancouver, B.C. V7J 2C1
Analytical	Chemists • Geochemists • Registered	Assayers	Phone: Telex:	(604) 984-0221 043-52597
TO : SEARCHLIGHT RESOURCES	INC.	CERT. # INVOICE	: A86 # : I86	12953-001-A
218 - 744 W. HASTINGS Vancouver, B.C. V6C 1A5	ST.	DATE P•C• #	: 4- : NOM KETTLE	·JUN-86 IE

Į	Sample	Prep	Ag ppm	Au ppp	·····	<u> </u>	
1	description	code	Aqua R	FA+AA			
ſ	HS-01 +140	213		<5	 		

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Certified by

Hart Bichler

	ATTN: DAVID	G. MARI	<u>د</u>	 	 		
	Sample description	Prep code	Ag ppm Aqua R	Au ppb FA+AA			
Γ	SS041	201	0.2	<5	 	 	
.	SS042	201	0.1	<5	 	 	
	SS043	201	0.1	<5	 	 	
	SS044	201	0.1	<5	 	 	

Certified by HartBichler

Chemex Labs Ltd.

212 Brooksbank Ave. North Vancouver, B.C. Canada V7J 2C1 Phone: (604) 984-0221 Telex: 043-52597

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CERTIFICATE OF ANALYSIS : A8615435-001-A TO : SEARCHLIGHT RESOURCES INC. CERT. # INVOICE # : 18615435 7-AUG-86 DATE : 218 - 744 W. HASTINGS ST. P.C. # : NONE VANCOUVER, B.C. SPLIT V6C 1A5 ATTN: S COOMBES

ATTN+ 3+ CUU	ind Ca			 	
Sample	Prep	Au ppb			
description	code	FA+AA			
HS-002 +140	213	<25	 	 	
HS-003 +140	213	<5	 	 	
HS-004 +140	213	< 5	 	 	
HS-005 +140	213	<5	 	 	
HS-006 +140	213	>10000	 	 	
HS-007 +140	213	<5	 	 	
HS-002 -140	211	<5	 	 	
HS-003 -140	211	125	 	 	
HS-004 -140	211	<5	 	 	
HS-005 -140	211	90	 	 	
HS-006 -140	211	780	 	 	
HS-007 -140	211	255	 	 	

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Geochemists

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ists • Registered Assayers

CERTIFICATE OF ANALYSIS

TO : TRIPLE STAR RESDURCE	CORP• ≠⇒	CERT. #	:	A8619804-001-A
		INVOICE #	:	I8619804
530 - 800 W. PENDER S	Τ.	DATE	:	28-0CT-86
VANCOUVER, B.C.		P.C. #	:	NONE

TTN .	DAVID	<u>C</u>	MADY

Sample	Ргер	Ag ppm	Au ppb				
description	code	<u>Aqua R</u>	FA+AA			<u> </u>	<u> </u>
\$\$001	201	0.3	<5				
SS002	201	0.3	<5				
SS003	201	0.2	<5				
SS004	201	0.1	<5				
\$\$005	201	• 0.1	<5				
SS005A	201	0.2	<5				
SS007	201	0.3	<5				
80022	201	0.3	<5				
\$\$009	201	0.2	<5				
SS010	201	0.4	<5				
SS011	201	0.2	<5				
SS012	201	0.2	<5				
SS013	201	0.3	<5				
SS014	201	0.3	<5				
SS015	201	0.2	<5				
SS016	201	0.4	<5				
55017	201	0.3	<5				
SS018	201	0.1	<5				
55019	201	0.1	<5				
SS020	201	0.1	<5				
SS021	201	0.2	<5				
SS022	201	0.2	<5				
SS023	201	0.3	<5				
SS024	201	0.1	<5				
SS025	201	0.3	<5				
\$\$026	201	0.1	< 5				
SS027	201	0.3	<5				
\$\$028	201	0-2	<5				
SS029	201	0.4	<5				
06022	201	0.3	<5		- **		
\$\$031	201	0.3	<5			'	
\$\$032	201	0.2	<5				
\$\$033	201	0.1	<5				
SS034	201	0.3	<5				
SS035	201	0.3	<5				
55036	201	0.6	<5				
SS037	201	0.4	<5				
88022	201	0.3	<5				
96022	201	0.3	<5				
SS040	201	0.2	<5				

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_abs Ltd.	212 Br North N Canada
	Garraua
	abs Ltd.

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Geochemists Registered Assayers •

ooksbank Ave. Vancouver, B.C. V7J 2C1 Phone: (604) 984-0221 Telex: 043-52597

Certified by HartBichley

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TC : TRIPLE STAR RESOURCE CORP. CERT. # : A8619803-001-A INVCICE # : 18619803 530 - 800 W. PENDER ST. DATE : 7-NCV-86 P.C. # : NONE VANCOUVER, 3.C. V6C 1J8

ATTN: CAVID G. MARK

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	Sample	Prep	Au ppb			
	description	code	FA+AA		 	
	HS 008 -80	202	700		 	
	HS 009 -80	202	<5		 	
	HS 010 -80	202	<5		 	
	HS 011 -80	202	1220		 	
	HS 012 -80	202	< 5		 	
	HS 013 -80	202	370		 	
	HS 014 -80	202	<5		 	
	HS 015 -80	202	80		 	
	HS 016 -80	202	<5		 	
	HS 017 -80	202	<5		 	
	HS 018 -80	202	<5		 	
	HS 019 -80	202	<5		 	
	HS 020 -80	202	<5		 	
	HS 021 -80	202	<5		 	
	HS 022 -80	202	130		 	
	HS 023 -80	202	< 5		 	
ļ	HS 024 -80	202	< 5		 	
	HS 025 -80	202	30		 	 - -
	HS 026 -80	202	<5		 	
	HS 027 -80	202	< 5		 	
	HS 028 -80	202	380		 	

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SAMPLE	No PPN	Cu PPN	Pb PPM	Zn PPM	AQ PPM	Ni PPN	Co PPM	Hn PPN	fe Z	As PPM	U PPN	Au PPN	1h PPH	Sr PPN	Ed PPM	Sb PPN	B1 PPM	V PPM	Ca 2	Р 2	La PPM	Cr PPN	Hg Z	Ba PPM	11 1	B PPM	Al I	Na I	k I	N PPN	Au+ PPB	2r PPM
SPLIT-I SPLIT-2	1	5 5	26 10	21 59	.2 .1	7	3 4	293 1267	.96 1.75	2 3	5 5	ND ND	8 2	20 19	1 1	3 2	2 2	13 19	.34 .15	.07 .04	26 9	11 10	.16 .18	69 73	.08 .03	2 2	.57 .65	.10 .05	.07 .07	1 1	1 1	528

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APPENDIX B

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GEOPHYSICAL REPORT

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