

RECEIVED

SEP 19 1973

CRIO, OIL & GAS CO. (BEM)

WELL: #1-A Nelson
OPERATOR: Summit Oil Company
CONTRACTOR: Exeter Drilling Company Rig #5
LOCATION: NE SE Sec. 21-T12N-R55W
COUNTY: Logan
STATE: Colorado
ELEVATION: 4786' GL. 4795' K.B.
CASING: 8-5/8" @ 240'
CORES: None
DRILL STEM TESTS: None
ELECTRIC LOGS: Dresser Atlas I-ES, CDL-C-Gr
COMMENCED: June 30, 1973
COMPLETED: July 7, 1973
STATUS: Drilled and abandoned

ELECTRIC LOG FORMATION TOPS:

Niobrara	5076	-281
Ft. Hays	5396	-601
Codell	5457	-662
Carlile	5464	-669
Greenhorn	5664	-869
Bentonite	5828	-1033
"D" Sand	5936	-1141
"J" Sand	6042	-1247
Total Depth	6115	Driller 6120



00290838

DRESSER ATLAS LOG CALCULATIONS:

<u>Depth</u>	<u>Porosity %</u>	<u>Rt</u>	<u>Sw%</u>
6104-6110	12	7-1/2	85
6098-6100	12	8	85
6090-6094	11	8-1/2	90
6078-6080	10.5	9	94

REMARKS:

Samples were of very poor quality on this hole. No sand was seen in the potential pay zone from 6056 to 6068. A trace of sand seen through the massive zone had no shows.

No drill stem tests were taken and the hole was plugged with 45 sacks cement at the base of the surface casing and 10 sacks at the top by permission of Doug Rogers, Oil and Gas Commission.

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SAMPLES: (Not corrected for lag time)

5900 - 5910	Shale
5910 - 5920	Shale
5920 - 5930	Shale
5930 - 5940	Shale
5950	Circulated. Shale
5950 - 5960	Shale
5960 - 5970	Trace sandstone fine grained, hard and tight. No show.
5970 - 5980	Trace Quartzite
5980 - 5990	Trace Quartzite
5990 - 6000	Trace very fine grained sandstone, hard and tight
6000 - 6010	Shale
6010 - 6020	Shale
6020 - 6030	Shale
6030 - 6040	Shale
6040 - 6050	Shale
6056 -	Circulated
6056 - 6060	Shale
6060 - 6070	Shale
6070 - 6080	Shale
6080 - 6090	Trace sandstone, white, clay filled.
6090 - 6100	Shale
6100 - 6110	Trace sandstone, white, friable, clay filled.
6110 - 6120	Shale with trace sand, white, no show.
6120	Circulated. Shale with trace sand, white, no show.

BIT RECORD:

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
1	7-7/8	Smith	DTV	3148	2903	16-1/4
2	7-7/8	Smith	DT	4585	1337	14
3	7-7/8	Smith	DT	5677	1092	20-1/4
4	7-7/8	HTC	C1C	5959	322	11-3/4
5	7-7/8	HTC	OW4	6056	97	11
6	7-7/8	HTC	OW4	6119	63	3-1/2

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GEOLOGICAL REPORT

ON

Summit Oil Company - Bridger Petroleum - Lone Star Producing

#1-A Nelson

NE SE Sec. 21 - T12N - R55W

Logan County, Colorado

By



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378 Denver Club Building
Denver, Colorado 80202