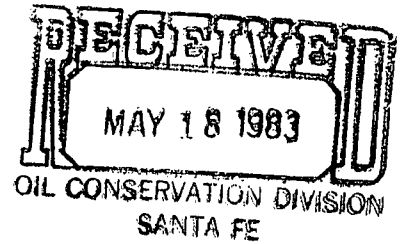


**Sovereign Oil
Company**

MCMLXXX



May 12, 1983

Oil Conservation Commission
Mr. M. Stogner
Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Stogner,

Enclosed please find the Directional Survey for the Sovereign Oil Company Navajo Lake 32-6 No. 1. As we discussed on the phone we would appreciate your keeping this information tight.

I will be in contact with our Attorney, William Carr, and you can expect to receive the formal application for our new bottom hole location by May 17th. If I can be of any further assistance please call.

Sincerely,

Jayme McCoy
Operations Engineer
(303) 530-0608

JM:kaa

Enclosure



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

SOVEREIGN OIL COMPANY
COMPANY

NAVAJO LAKE NO. 9-1
WELL NAME

SAN JUAN COUNTY, NEW MEXICO
LOCATION

JOB NUMBER
RM183-D1274

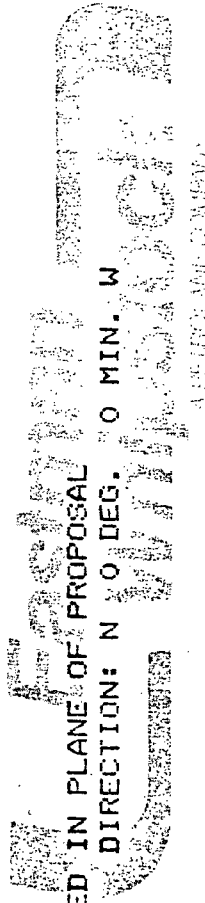
TYPE OF SURVEY
MAGNETIC SINGLE
SHOT

DATE
31 JANUARY 1983

SURVEY BY
LYNN BADER

OFFICE
ROCKY MOUNTAIN

WELL NAME: NAVAJO LAKE NO. 9-1
LOCATION: SAN JUAN COUNTY, NEW MEXICO
FILE NO.: A2-139, FL7-09
DATE: 26 JANUARY 1983
JOB NO.: RM183-D1274
TYPE: MAGNETIC SINGLE SHOT
DIRECTIONAL DRILLER: LYNN BADER
DECLINATION:
COMPUTER OPERATOR: STEVE THURSTON
RELATED FILES: A2-124



VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: N 0 DEG. 0 MIN. W

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

MEASURED DEPTH FEET	DRIFT ANGLE		DRIFT DIRECTION		COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTOR D I N A T E S		RORLEG SEVERITY DG/100FT
	D	M	D	M				F	E	
1230.00	0	0	0	0	0.0	1230.00	0.00	0.00	0.00	0.00
1260.00	1	0	N 39	0 E	30.0	1260.00	0.20	0.20 N	0.14 E	3.33
1291.00	1	30	N 16	0 E	31.0	1290.99	0.80	0.80 N	0.47 E	2.25
1322.00	3	30	N 8	0 E	31.0	1321.96	2.12	2.12 N	0.74 E	6.53
1353.00	5	0	N 4	0 W	31.0	1352.87	4.41	4.41 N	0.84 E	5.60
1384.00	7	0	N 10	0 W	31.0	1383.70	7.63	7.63 N	0.44 E	6.75
1415.00	7	30	N 9	0 W	31.0	1414.45	11.49	11.49 N	0.20 W	1.66
1446.00	8	0	N 10	0 W	31.0	1445.17	15.61	15.61 N	0.89 W	1.67
1510.00	8	30	N 12	0 W	64.0	1508.51	24.62	24.62 N	2.65 W	0.90
1572.00	9	30	N 6	0 W	62.0	1569.74	34.20	34.20 N	4.16 W	2.21
1630.00	10	0	N 10	0 W	58.0	1626.91	43.92	43.92 N	5.53 W	1.45
1701.00	10	45	N 14	0 W	71.0	1696.75	56.43	56.43 N	8.19 W	1.46
1765.00	11	15	N 15	0 W	64.0	1759.57	68.25	68.25 N	11.25 W	0.84
1832.00	10	45	N 19	0 W	67.0	1825.34	80.47	80.47 N	14.98 W	1.36
1894.00	11	45	N 15	0 W	62.0	1886.15	92.03	92.03 N	18.52 W	2.04
1954.00	11	45	N 16	0 W	60.0	1944.89	103.81	103.81 N	21.78 W	0.34
2018.00	11	15	N 18	0 W	64.0	2007.60	116.01	116.01 N	25.51 W	1.00
2080.00	11	30	N 17	0 W	62.0	2068.39	127.67	127.67 N	29.19 W	0.51
2142.00	11	0	N 16	0 W	62.0	2129.19	139.27	139.27 N	32.63 W	0.87
2204.00	10	45	N 16	0 W	62.0	2190.08	150.51	150.51 N	35.85 W	0.40
2301.00	10	45	N 16	0 W	97.0	2235.38	167.90	167.90 N	40.84 W	0.00
2363.00	10	30	N 17	0 W	62.0	2346.31	178.87	178.87 N	44.08 W	0.50
2425.00	10	15	N 17	0 W	62.0	2407.30	189.54	189.54 N	47.35 W	0.40
2487.00	10	15	N 11	0 W	62.0	2468.31	200.24	200.24 N	50.02 W	1.72
2550.00	9	45	N 16	0 W	63.0	2530.35	210.88	210.88 N	52.57 W	1.59
2644.00	9	45	N 16	0 W	94.0	2623.00	226.18	226.18 N	56.96 W	0.00
2736.00	9	45	N 19	0 W	92.0	2713.67	241.04	241.04 N	61.64 W	0.55
2798.00	9	15	N 15	0 W	62.0	2774.82	250.82	250.82 N	64.63 W	1.34
2859.00	9	30	N 16	0 W	61.0	2835.00	260.40	260.40 N	67.29 W	0.49
2922.00	9	0	N 17	0 W	63.0	2897.18	270.11	270.11 N	70.16 W	0.83

LOCATION: SAN JUAN COUNTY, NEW MEXICO

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATE FEET	DODGED SEVERITY DG/100FT
3047.00	8 45	N 15 0 W	125.0	3020.69	288.64	288.64 N 75.48 W	0.32
THE NEXT STATION IS A PROJECTION TO TD. <i>P.C. Base 3000 6.50 A 74.50 W</i>							
3109.00	8 30	N 16 0 W	62.0	3081.99	297.60	297.60 N 77.96 W	0.47

FINAL CLOSURE - DIRECTION: N 14 DEGS 40 MINS 48 SECS W
DISTANCE: 307.65 FEET

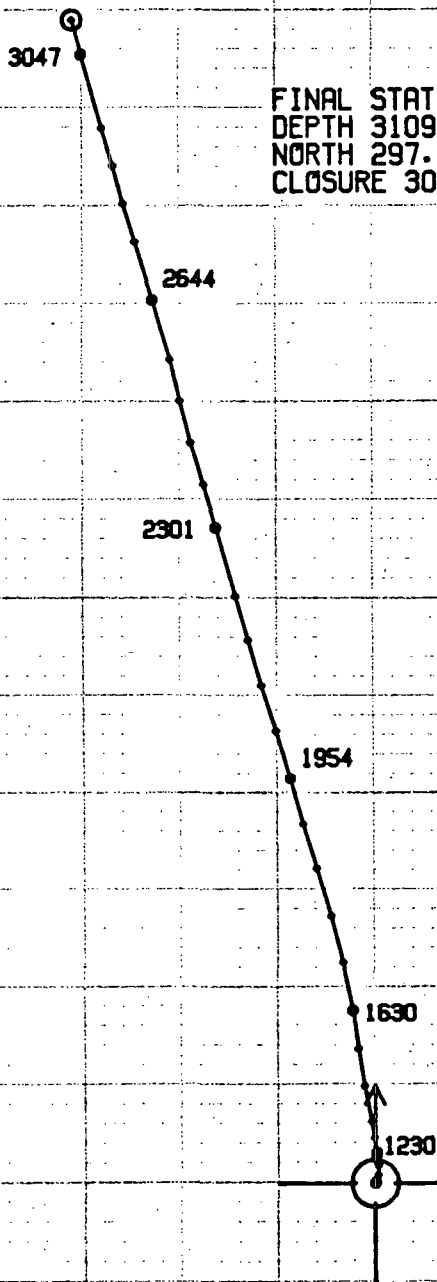
Leblond
Whitlock
A SURVEYING COMPANY

SOVEREIGN OIL COMPANY
WELL NAME: NAVAJO LAKE NO. 9-1
LOCATION: SAN JUAN COUNTY, NEW MEXICO

HORIZONTAL PROJECTION

SCALE 1 IN. = 50 FEET
DEPTH INDICATOR: MD

EASTMAN WHIPSTOCK, INC.

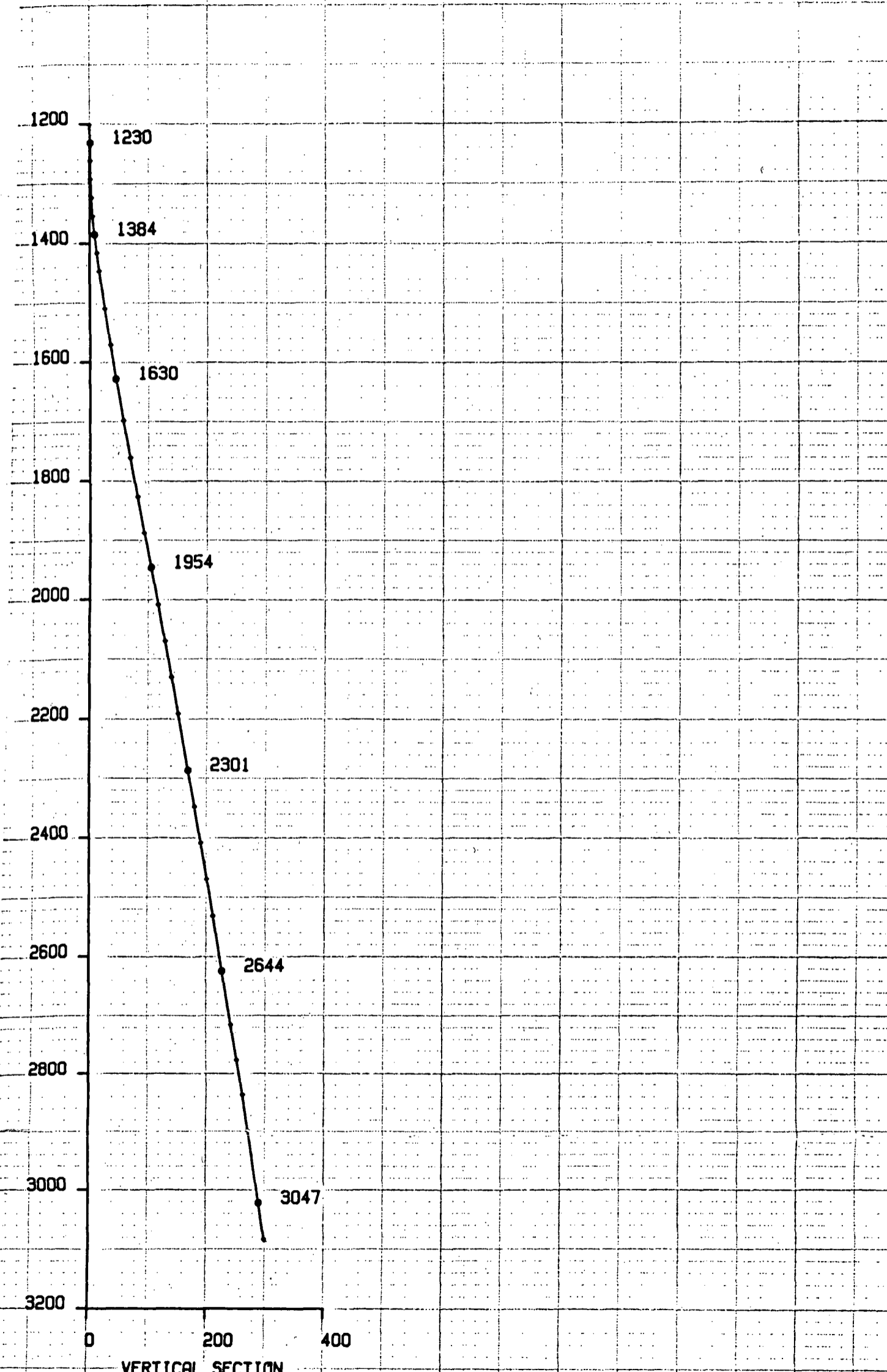


FINAL STATION:
DEPTH 3109 MD. 3081.98 TVD
NORTH 297.60 WEST 77.96
CLOSURE 307.64 N 14 40 48 W

SOVEREIGN OIL COMPANY
WELL NAME: NAVAJO LAKE NO. 9-1
LOCATION: SAN JUAN COUNTY, NEW MEXICO

VERTICAL PROJECTION
SCALE 1 IN. = 200 FEET

EASTMAN WHIPSTOCK, INC.



0 200 400
VERTICAL SECTION
CLOSURE 307.64 N 14 40 48 W