

ARGEE OIL COMPANY
CANTINA WELL NO. 1
LEA COUNTY, NEW MEXICO *Book 114-85* ED2-190
MARCH 31, 1985

EASTMAN WHIPSTOCK, INC.
MAGNETIC MULTI SHOT SURVEY W10385-S0221
SURVEYOR: STEVE COVINGTON (0'-357')
MAGNETIC MULTI SHOT SURVEY W10485-S0236
SURVEYOR: GARY DESPAIN (357'-4554')



RADIUS OF CURVATURE METHOD

Station	4
Surveyor	Harlan Davis
Radius of Curvature	8555

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOGLEG SEVERITY DG/100FT
0.	0	0	0.	0.00	0.00	0.00
85.	0 45	N 73 E	85.	85.00	0.16 N	0.53 E
183.	0 45	N 86 E	98.	182.99	0.40 N	1.79 E
281.	0 30	S 38 E	98.	280.98	0.02 S	2.73 E
342.	0 15	S 89 E	61.	341.98	0.19 S	3.07 E
357.	0 30	N 66 E	15.	356.98	0.17 S	3.17 E
419.	0 45	N 55 E	62.	418.98	0.16 N	3.76 E
481.	0 30	N 58 E	62.	480.97	0.53 N	4.32 E
575.	0 30	N 42 E	94.	574.97	1.06 N	4.95 E
606.	0 30	N 72 E	31.	605.97	1.20 N	5.17 E
699.	0 15	N 44 E	93.	698.97	1.52 N	5.68 E
792.	0 30	N 83 E	93.	791.97	1.79 N	6.22 E
885.	0 15	S 46 E	93.	884.96	1.60 N	6.78 E
978.	0 30	N 43 E	93.	977.96	1.50 N	7.33 E
1071.	0 30	N 60 W	93.	1070.96	2.28 N	7.26 E
1164.	0 15	S 69 E	93.	1163.96	2.65 N	7.43 E
1257.	0 30	N 53 W	93.	1256.95	3.02 N	7.64 E
1350.	0 15	N 45 E	93.	1349.95	3.56 N	7.60 E
1443.	0 15	N 65 E	93.	1442.95	3.79 N	7.93 E
1536.	0 15	N 76 E	93.	1535.95	3.92 N	8.31 E
1629.	0 15	N 62 E	93.	1628.95	4.07 N	8.69 E
1722.	0 15	N 8 W	93.	1721.95	4.41 N	8.87 E
1815.	0 15	N 13 W	93.	1814.95	4.81 N	8.79 E
1908.	0 30	S 32 E	93.	1907.95	4.97 N	9.19 E
2001.	0 30	S 57 E	93.	2000.94	4.40 N	9.75 E
2094.	0 45	S 71 E	93.	2093.94	3.95 N	10.66 E
2188.	1 0	S 79 E	94.	2187.93	3.58 N	12.04 E
2281.	1 0	S 90 E	93.	2280.91	3.43 N	13.66 E
2374.	1 0	N 81 E	93.	2373.90	3.56 N	15.27 E
2467.	0 45	N 82 E	93.	2466.89	3.77 N	16.68 E

Estimated by
Rockwell
ARGEE OIL COMPANY

ARGEE OIL COMPANY
CANTINA WELL NO. 1
LEA COUNTY, NEW MEXICO

BD2-190

COMPUTATION PAGE NO. 2
TIME DATE
08:21:17 08-APR-85

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOGLEG SEVERITY DG/100FT
2560.	0 30	N 83 E	93.	2559.68	3.90 N 17.68 E	0.27
2653.	0 45	N 59 E	93.	2652.87	4.23 N 18.63 E	0.38
2746.	0 30	S 84 E	93.	2745.87	4.44 N 19.61 E	0.50
2839.	1 0	N 83 E	93.	2838.86	4.45 N 20.82 E	0.56
2932.	1 0	S 90 E	93.	2931.85	4.55 N 22.44 E	0.13
3025.	1 0	S 90 E	93.	3024.83	4.55 N 24.06 E	0.00
3118.	0 30	N 64 E	93.	3117.82	4.82 N 25.24 E	0.64
3211.	1 0	N 60 E	93.	3210.82	5.39 N 26.31 E	0.54
3304.	0 45	N 77 E	93.	3303.80	5.91 N 27.63 E	0.38
3397.	0 30	N 75 E	93.	3396.80	6.16 N 28.61 E	0.27
3490.	0 30	N 14 E	93.	3489.80	4.11 N 29.15 E	0.55
3583.	0 30	N 30 E	93.	3582.79	7.46 N 29.46 E	0.15
3677.	0 30	N 36 E	94.	3676.79	8.15 N 29.90 E	0.06
3770.	0 30	N 38 E	93.	3768.75	8.83 N 30.36 E	0.04
3863.	0 45	N 30 E	93.	3862.78	9.69 N 30.88 E	0.27
3956.	0 45	N 23 E	93.	3955.77	10.78 N 31.42 E	0.10
4049.	0 45	N 4 E	93.	4048.76	11.95 N 31.70 E	0.27
4142.	0 30	N 7 E	93.	4141.76	12.96 N 31.80 E	0.27
4235.	0 45	N 1 E	93.	4234.75	13.97 N 31.87 E	0.28
4328.	0 45	N 3 E	93.	4327.74	15.19 N 31.91 E	0.03
4421.	0 30	N 6 W	93.	4420.74	16.20 N 31.89 E	0.29
4514.	0 15	N 6 W	93.	4513.74	16.81 N 31.82 E	0.27
4554.	0 15	N 4 W	40.	4553.74	16.98 N 31.81 E	0.02

FINAL CLOSURE - DIRECTION: N 61 DEGS 54 MINS E
DISTANCE: 36.06 FEET

ARGEE OIL COMPANY
CANTINA WELL NO. 1
LEER COUNTY, NEW MEXICO
ERSTMAN WHIPSTOCK, INC.

BD2-190

HORIZONTAL PROJECTION
SCALE 1 IN. = 5 FEET
DEPTH INDICATOR: MD

FINAL STATION:
DEPTH 4554 MD. 4553.73 TVD
NORTH 16.98 EAST 31.80
CLOSURE 36.05 N 61 54 4 E

