

17-28-34

ARCO OIL & GAS COMPANY
EMPIRE ABO UNIT "F" WELL NO. 354
EDDY COUNTY, NEW MEXICO BD1-368
FEBRUARY 12, 1983

well file

EASTMAN WHIPSTOCK, INC.

GYROSCOPIC MULTI SHOT ORIENTATION

WT0283-60129

SURVEYOR: TROY ONEY

(0°-6192')

GYROSCOPIC MULTI SHOT SURVEY

WT0283-60136

SURVEYOR: TIM STEPHENS

(6194'-6218')

AT WIRELINE MEASURED DEPTH OF 6192', ORIENTATION OF PACKER KEY
SHOWED THAT THE KEY IS FACING SOUTH EIGHTY-THREE DEGREES WEST (S83M)

RECEIVED

MAR 23 1983

O. C. D.

ARTIST'S OFFICE



RADIUS OF CURVATURE METHOD

ARCO OIL & GAS COMPANY
EMPIRE ABO UNIT "F" WELL NO. 354
EDDY COUNTY, NEW MEXICO

BD1-368

COMPUTATION
TIME 20:20:43
DATE 00--00
PAGE NO.

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE		R E C T A N G U L A R E - O - R - B - I - N - A - T - E - S FEET	DOGLEG SEVERITY DG/100FT
				VERTICAL DEPTH FEET			
0.	0 0	0	0.	0.00	0.00	0.00	0.00
100.	0 30	N 22 W	100.	100.00	0.40 N	0.16 W	0.50
500.	0 30	N 48 E	400.	499.98	3.60 N	0.57 E	0.14
1000.	0 30	N 67 W	500.	999.96	7.21 N	0.03 W	0.17
1500.	0 45	N 37 W	500.	1499.93	10.53 N	4.28 W	0.08
2000.	1 15	N 38 W	500.	1999.86	17.45 N	9.59 W	0.10
2500.	1 30	N 13 W	500.	2499.71	28.19 N	14.71 W	0.13
3000.	0 30	N 15 W	500.	2999.63	36.66 N	16.82 W	0.20
3500.	0 30	S 79 W	500.	3499.61	38.76 N	20.18 W	0.14
4000.	1 15	S 44 W	500.	3999.55	35.17 N	26.79 W	0.18
4500.	1 15	S 52 W	500.	4499.43	34.89 N	33.65 W	0.03
5000.	0 45	S 72 E	500.	4999.35	20.87 N	24.84 W	0.36
5500.	1 30	S 38 E	500.	5499.27	23.85 N	20.99 W	0.29
6000.	1 30	N 7 W	100.	6099.00	39.69 N	21.33 W	0.21
6100.	3 0	N 7 W	100.	6099.00	39.69 N	21.33 W	1.51
6179.	3 15	N 2 E	79.	6177.88	43.99 N	21.52 W	0.79

TOP OF WHIPSTOCK IS AT M.D. 6185 FT.

6185.	5 0	N 5 W	6.	6183.87	44.42 N	21.53 W	30.30
6188.	10 45	N 16 W	3.	6186.84	44.83 N	21.60 W	197.28
6191.	18 0	N 14 W	3.	6189.74	45.55 N	21.80 W	242.20
6194.	25 0	N 6 W	3.	6192.53	46.63 N	21.99 W	252.47
6197.	30 15	N 2 E	3.	6195.19	48.02 N	22.03 W	213.93
6200.	34 0	N 15 E	3.	6197.73	49.59 N	21.80 W	261.53
6203.	34 30	N 26 E	3.	6200.21	51.17 N	21.21 W	206.81
6206.	33 0	N 41 E	3.	6202.70	52.55 N	20.29 W	281.65
6209.	28 30	N 55 E	3.	6205.28	53.58 N	19.16 W	280.97
6212.	23 0	N 66 E	3.	6207.98	54.22 N	18.02 W	242.18
6215.	17 0	N 79 E	3.	6210.80	54.53 N	17.05 W	247.81
6217.	12 45	S 89 E	2.	6212.73	54.57 N	16.54 W	261.40

ARCO OIL & GAS COMPANY
 EMPIRE ABD UNIT "F" WELL NO. 354
 EDDY COUNTY, NEW MEXICO BDI-368

COMPUTATION PAGE NO. 2
 TIME DATE
 20:20:43 00--00

MEASURED	DRIFT	DRIFT	COURSE	TRUE	RECTANGULAR	DOUBLE
DEPTH	ANGLE	DIRECTION	LENGTH	VERTICAL	CORRECTIONS	SEVERITY
FEET	D	M	FEET	DEPTH	FEET	DG/100FT
6218.	11	0	S. 84 E	1.	6213.71	54.56 N 16.33 W 202.85

FINAL CLOSURE - DIRECTION: N 16 DEGS. 40. MINS. W
 DISTANCE: 56.95 FEET

