

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

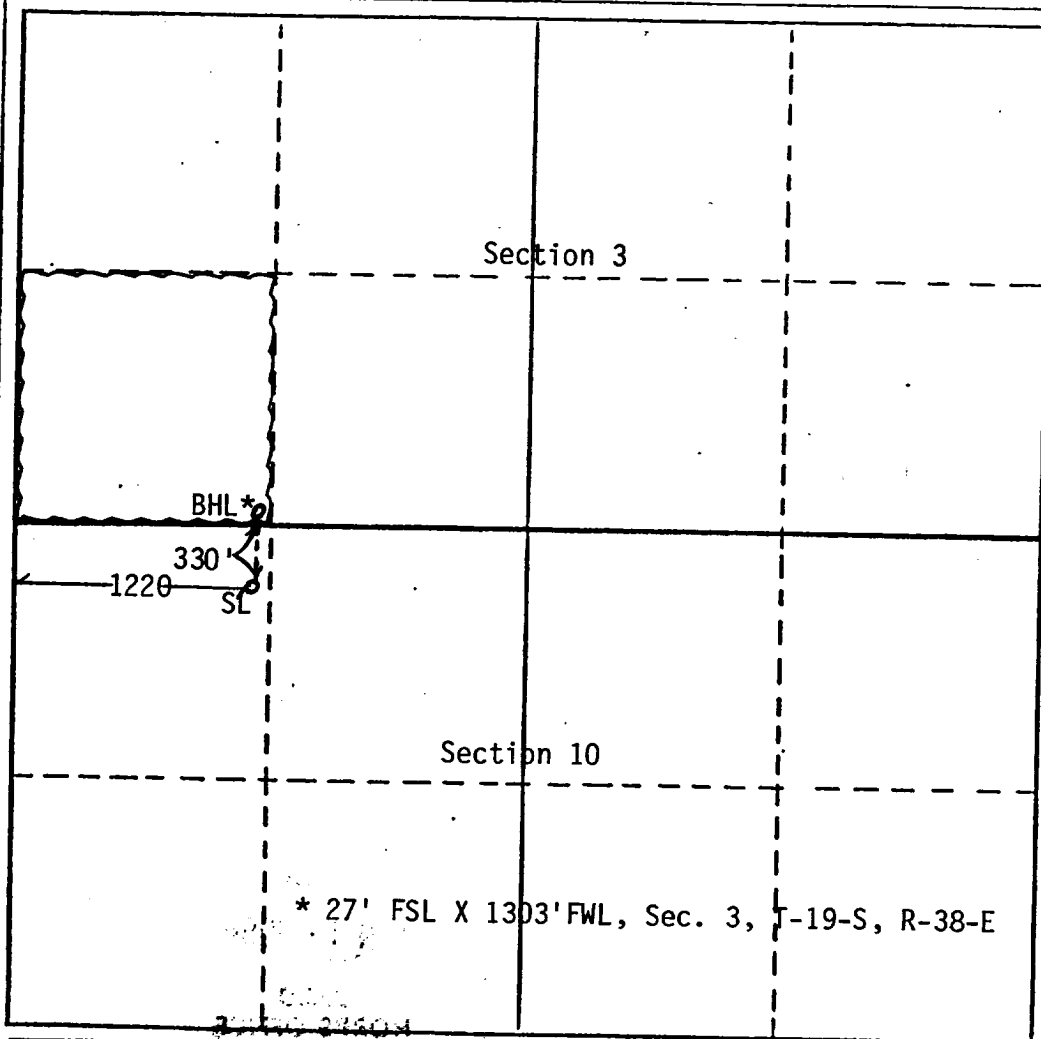
Operator Amoco Production Company			Lease South Hobbs (GSA) Unit		Well No. 150
Unit Letter D	Section 10	Township 19-South	Range 38-East	County Lea	
Actual Postage Location of Well: 330 feet from the North line and 1220 feet from the West line					
Ground Level Elev. 3607.8	Producing Formation San Andres		Pool Hobbs GSA		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



* 27' FSL X 1303' FWL, Sec. 3, T-19-S, R-38-E

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Charles M. Lanning
Position
Administrative Analyst

Company
Amoco Production Company

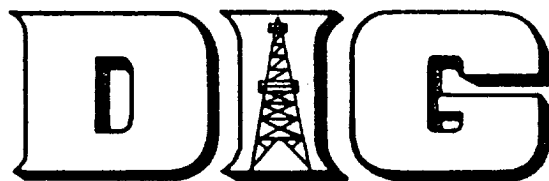
Date
December 29, 1983

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



SUB-SURFACE
DIRECTIONAL
SURVEY
REPORT

AMOCO PRODUCTION COMPANY

COMPANY

SHU #150

WELL NAME

LEA COUNTY, NEW MEXICO

STATE AND COUNTY

CERTIFIED REPORT

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MEASURED	INCL.	HOLE	COURSE	VERTICAL	TRUE	VERTICAL	SECTION	RECTANGULAR	CLOSURE	DIRECTION	SEVERITY
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH		FEET	FEET	COORDINATES	DISTANCE	DEGS.	DG/100FT
FEET	DEGS.	DEGS.	FEET	FEET		FEET	FEET	N/S	E/W	FEET	
0.00	0.00	N 00.00 E	0.00	0.00		0.00	0.00	0.00	0.00	N 00.00 E	0.00
81.00	.25	N 19.00 E	81.00	01.00		.18	.06	.10	.10	N 19.00 E	.31
111.00	.25	N 75.00 W	30.00	111.00		.26	0.00	.27	.27	N 00.58 E	1.22
172.00	.25	N 74.00 E	61.00	172.00		.45	0.00	.47	.47	N 00.12 E	.79
233.00	.25	S 55.00 E	61.00	233.00		.48	.25	.42	.50	N 30.96 E	.35
293.00	.25	S 40.00 E	60.00	293.00		.36	.45	.25	.51	N 60.95 E	.11
354.00	0.00	N 00.00 E	61.00	354.00		.29	.53	.15	.55	N 74.62 E	.41
414.00	.25	S 60.00 E	60.00	414.00		.25	.65	.00	.65	N 82.84 E	.42
475.00	.50	S 43.00 E	61.00	475.00		.10	.96	.17	.97	S 80.13 E	.44
536.00	.25	S 10.00 E	61.00	535.99		-.19	1.13	.52	1.25	S 65.39 E	.53
596.00	.25	S 76.00 E	60.00	595.99		-.32		.70	1.48	S 61.74 E	.45
657.00	0.00	N 00.00 E	61.00	656.99		-.32		.73	1.61	S 62.90 E	.41
718.00	0.00	N 00.00 E	61.00	717.99		-.32		.73	1.61	S 62.90 E	0.00
778.00	.25	S 14.00 E	60.00	777.99		-.43		.86	1.70	S 59.57 E	.42
839.00	0.00	N 00.00 E	61.00	838.99		-.55		.99	1.79	S 56.53 E	.41
892.00	0.00	N 00.00 E	60.00	890.99		-.55		.99	1.79	S 56.53 E	0.00
960.00	.50	S 16.00 E	61.00	959.99		-.77		1.24	2.00	S 51.57 E	.82
1021.00	.50	S 11.00 E	61.00	1020.99		-1.24		1.76	2.44	S 43.85 E	.07
1081.00	.75	S 48.00 E	60.00	1080.99		-1.69		2.32	3.07	S 40.88 E	.77
1142.00	.25	S 49.00 E	61.00	1141.98		-1.92		2.67	3.60	S 42.00 E	.82
1203.00	0.00	N 00.00 E	61.00	1202.98		-1.98		2.76	3.73	S 42.25 E	.41
1263.00	.50	S 06.00 W	60.00	1262.98		-2.24		3.02	3.91	S 39.38 E	.83
1324.00	.50	S 63.00 W	61.00	1323.98		-2.72		3.44	4.08	S 32.48 E	.78
1384.00	.25	S 46.00 W	60.00	1383.98		-3.03		3.67	4.12	S 27.04 E	.45
1445.00	.25	S 22.00 E	61.00	1444.98		-3.20		3.92	4.32	S 24.94 E	.46

MEASURED	INCL.	HOLE	COURSE	VERTICAL	TRUE	RECTANGULAR	C L O S U R E	DIRECTION	SEVERITY
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	COORDINATES	DISTANCE	DEGS.	DG/100FT
FEET	DEGS.	DEGS.	FEET	FEET	FEET	N/S	feet	E/W	
1506.00	.25	S 57.00 E	61.00	1505.98	-3.43	4.12 S	1.99 E	4.57at S 25.77 E	.25
1536.00	.50	S 27.00 E	30.00	1535.98	-3.53	4.26 S	2.12 E	4.76at S 26.42 E	1.03
1574.00	.25	S 15.00 W	30.00	1573.98	-3.75	4.50 S	2.14 E	4.99at S 25.45 E	.94
(0'-1574' RESULTS OF D.I.G. SURVEY MS-1316)									
(1574'-3054' RESULTS OF EASTMAN WHIPSTOCK SURVEY S0150)									
1657.00	.25	S 74.00 W	83.00	1656.98	-4.06	4.75 S	1.90 E	5.12at S 21.80 E	.30
1719.00	.50	S 68.00 W	62.00	1718.97	-4.29	4.88 S	1.52 E	5.11at S 17.26 E	.41
1782.00	.25	S 35.00 W	63.00	1781.97	-4.84	5.30 S	.99 E	5.40at S 10.53 E	.60
1844.00	.50	S 70.00 W	62.00	1843.97	-5.37	5.71 S	.46 E	5.73at S 04.58 E	.72
1906.00	1.00	N 78.00 W	62.00	1905.96	-5.64	5.77 S	.34 W	5.78at S 03.30 W	1.02
1969.00	1.00	N 61.00 W	63.00	1968.95	-5.55	5.38 S	1.37 W	5.55at S 14.24 W	.47
2031.00	1.25	N 20.00 W	62.00	2030.94	-4.89	4.48 S	2.14 W	4.96at S 25.55 W	1.33
2093.00	1.50	N 04.00 W	62.00	2092.92	-3.58	3.03 S	2.45 W	3.89at S 38.98 W	.74
2156.00	1.75	N 14.00 E	63.00	2155.90	-1.83	1.25 S	2.29 W	2.61at S 61.35 W	.90
2218.00	2.50	N 25.00 E	62.00	2217.85	.46	.91 N	1.53 W	1.78at N 59.19 W	1.37
2280.00	3.00	N 38.00 E	62.00	2279.78	3.32	3.44 N	.02 E	3.44at N 00.38 E	1.28
2343.00	4.00	N 45.00 E	63.00	2342.66	6.78	6.32 N	2.57 E	6.82at N 22.12 E	1.72
2405.00	4.50	N 49.00 E	62.00	2404.49	10.71	9.45 N	5.93 E	11.16at N 32.09 E	.94
2467.00	4.50	N 54.00 E	62.00	2466.30	14.65	12.48 N	9.74 E	15.83at N 37.95 E	.63
2530.00	6.50	N 46.00 E	63.00	2529.01	19.63	16.36 N	14.36 E	21.77at N 41.27 E	3.39
2592.00	8.25	N 30.00 E	62.00	2590.49	26.97	22.61 N	19.24 E	29.69at N 40.39 E	4.33
2654.00	8.50	N 16.00 E	62.00	2651.83	35.91	30.90 N	22.76 E	38.38at N 36.37 E	3.31
2717.00	8.00	N 14.00 E	63.00	2714.18	44.95	39.63 N	25.10 E	46.91at N 32.34 E	.91
2779.00	8.25	N 13.00 E	62.00	2775.56	53.70	48.15 N	27.15 E	55.28at N 29.41 E	.46
2841.00	8.50	N 13.00 E	62.00	2836.90	62.72	56.95 N	29.18 E	63.99at N 27.12 E	.40
2904.00	8.75	N 11.00 E	63.00	2899.18	72.15	66.19 N	31.14 E	73.15at N 25.19 E	.62
2966.00	9.00	N 11.00 E	62.00	2960.44	81.69	75.58 N	32.97 E	82.46at N 23.56 E	.40

MEASURED	INCL.	HOLE	COURSE	VERTICAL	VERTICAL	TRUL	RECTANGULAR	C L O S U R E	DIRECTION	SEVERITY
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	FEET	FEET	COORDINATES	FEET	DEGS.	DG/100FT
FEET	DEGS.	DEGS.	FEET	FEET	FEET	FEET	N/S	E/W	FEET	DEGS.
3054.00	8.75	N 10.00 E	88.00	3047.39	95.21	88.93 N	35.44 E	95.73at N	21.72 E	.33
(1574'-3054' RESULT OF EASTMAN WHIPSTOCK SURVEY S0150)										
(3054'-4306' RESULT OF EASTMAN WHIPSTOCK SURVEY S0162)										
3082.00	9.00	N 09.00 E	28.00	3075.05	99.50	93.19 N	36.15 E	99.96at N	21.20 E	1.05
3143.00	9.25	N 00.00 E	61.00	3135.28	109.10	102.76 N	37.58 E	109.42at N	20.08 E	.49
3204.00	9.75	N 09.00 E	61.00	3195.44	119.09	112.72 N	39.07 E	119.30at N	19.11 E	.86
3265.00	10.50	N 08.00 E	61.00	3255.49	129.72	123.32 N	40.66 E	129.85at N	18.24 E	1.26
3325.00	11.00	N 02.00 E	60.00	3314.44	140.83	134.39 N	42.31 E	140.89at N	17.47 E	.89
3386.00	11.50	N 08.00 E	61.00	3374.27	152.63	146.16 N	44.07 E	152.66at N	16.77 E	.80
3447.00	12.25	N 09.00 E	61.00	3433.96	165.09	158.57 N	45.92 E	165.09at N	16.15 E	1.27
3508.00	12.75	N 09.00 E	61.00	3493.52	178.20	171.61 N	47.99 E	178.20at N	15.62 E	.82
3569.00	13.50	N 08.00 E	61.00	3552.92	191.94	185.31 N	50.04 E	191.95at N	15.11 E	1.28
3630.00	14.00	N 10.00 E	61.00	3612.17	206.34	199.63 N	52.31 E	206.37at N	14.68 E	1.13
3690.00	14.25	N 10.00 E	60.00	3670.36	220.91	214.05 N	54.85 E	220.97at N	14.37 E	.42
3751.00	14.25	N 10.00 E	61.00	3729.48	235.85	228.84 N	57.46 E	235.94at N	14.09 E	0.00
3812.00	14.25	N 11.00 E	61.00	3788.61	250.80	243.60 N	60.19 E	250.93at N	13.87 E	.40
3873.00	14.00	N 10.00 E	61.00	3847.76	265.63	250.24 N	62.90 E	265.79at N	13.69 E	.57
3934.00	14.00	N 12.00 E	61.00	3906.95	280.33	272.73 N	65.72 E	280.53at N	13.54 E	.79
3995.00	13.50	N 11.00 E	61.00	3966.20	294.79	286.93 N	68.61 E	295.02at N	13.44 E	.91
4055.00	13.50	N 11.00 E	60.00	4024.54	308.75	300.68 N	71.28 E	309.02at N	13.33 E	0.00
4116.00	13.25	N 12.00 E	61.00	4083.89	322.83	314.51 N	74.10 E	323.12at N	13.25 E	.56
4177.00	13.25	N 12.00 E	61.00	4143.27	336.78	328.19 N	77.00 E	337.10at N	13.20 E	0.00
4238.00	13.25	N 12.00 E	61.00	4202.64	350.73	341.86 N	79.91 E	351.08at N	13.15 E	0.00
4268.00	13.25	N 12.00 E	30.00	4231.84	357.59	348.59 N	81.34 E	357.95at N	13.13 E	0.00
(3054'-4306' RESULT OF EASTMAN WHIPSTOCK SURVEY S0162)										
4306.00	13.50	N 13.00 E	38.00	4268.81	366.37	357.17 N	83.24 E	366.74at N	13.11 E	.90

CLOSURE DISTANCE = 366.74 FEET.

AMOCO PRODUCTION CO.

WELL # :
SHU NO. 150

LOCATION :
LEA COUNTY, NEW MEXICO

DATE :
11-15-89, (EW) 11-19-89, (EW) 11-24-89

JOB TYPE :
MMS. (EW) MMS. (EW) MMS

JOB # :
MS-1316, (EW) SO150, (EW) SO182

SURVEYOR :
A. HARBERT, (EW) G. DESPAIN, (EW) T. ONEY

DEPTHS :
0'-1574', (EW) 1574'-3054', (EW) 3054'-4306'

DECL. :
10 DEGREES EAST

ELEV. :
0'

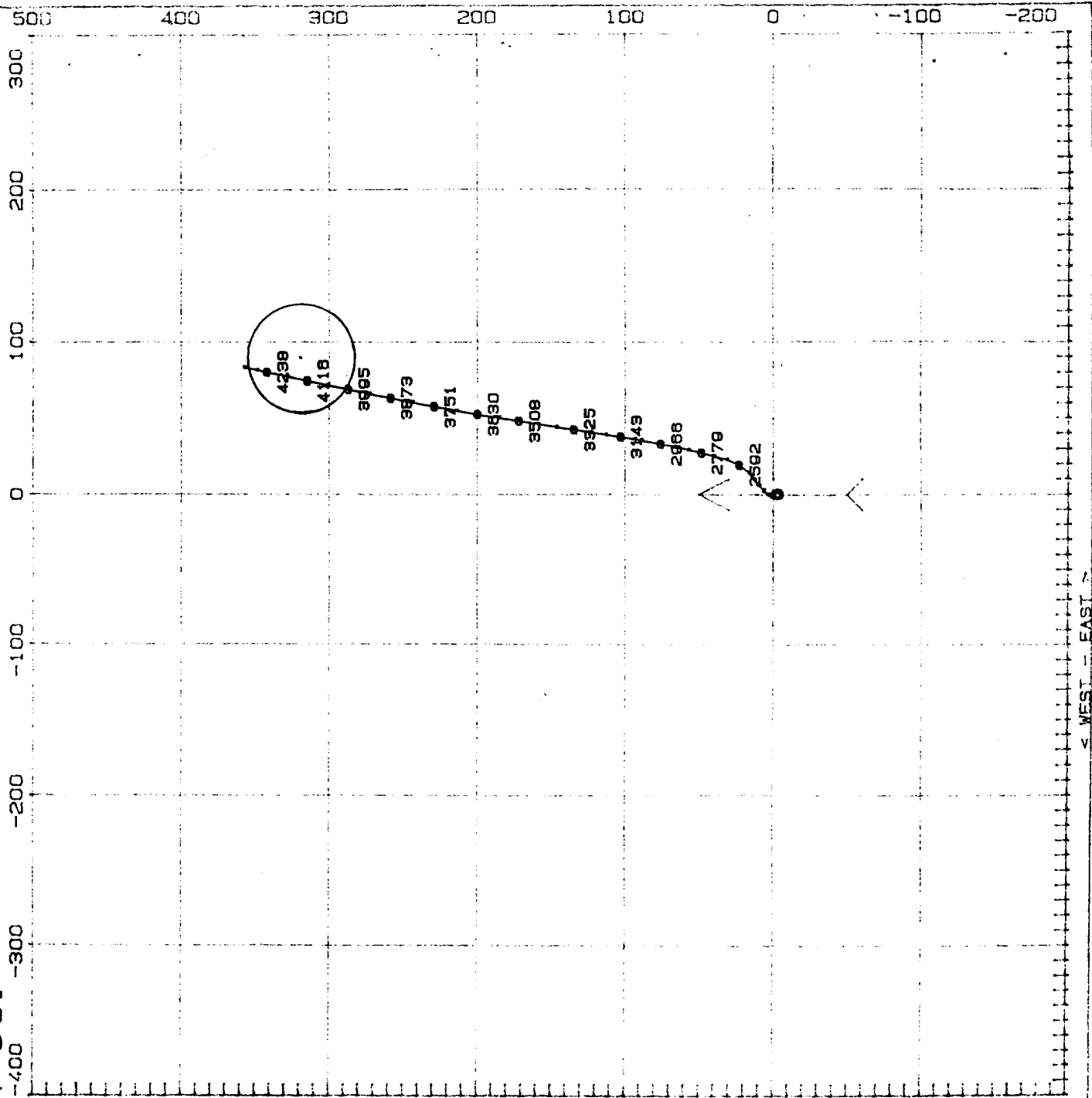
FILE # :
WT-F28

FINAL STATION DATA

MD. 4306.00
TVD. 4268.81
N/S 357.17
E/W 83.24

CLOSURE DISTANCE
386.74 FEET
CLOSURE DIRECTION
N 13.12 E

1 IN. = 100 FT.



< WEST - EAST >



DIRECTIONAL
INVESTMENT
GUIDANCE, INC.

SURVEY CERTIFICATION

STATE TEXAS

COUNTY OF MIDLAND

I, D. A. HARBERT, in the employ of D.I.G., Inc., did on the days of 11-15, 1983 through 11-15, 1983 conduct or supervise the taking of a MAGNETIC MULTISHOT survey by the method of magnetic orientation from a depth of 0 feet to 1574 feet, with recordings of inclination being obtained at approximately intervals of 61 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SHU #150, LEA County, State of NEW MEXICO in the SOUTH HOBBS field.

The data for this survey were obtained by me according to standards and procedures as set forth by D.I.G., Inc., and is true and correct to the best of my knowledge.

D. A. HARBERT

The data for this survey has been examined by me and conforms to the principles and procedures as set forth by D.I.G., Inc.

LARRY MASSEY



P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Gary DeSpain, in the employ of Eastman Whipstock, Inc., did on the days of November 19, 1983 thru November 19, 1983 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 1574' feet to 3054' feet, with recordings of inclination and direction being obtained at approximate intervals of 62' feet.

This survey was conducted at the request of Amoco Production Company for their South Hobbs Unit # 150, Lea County, State of New Mexico, in the field.

This data for this survey and the calculation were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

Gary DeSpain
Directional Supervisor / Surveyor

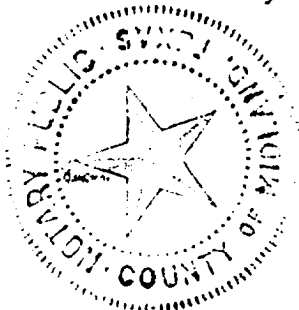
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

Before me, the undersigned authority, on this day personally appeared Gary DeSpain, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 21st day of NOV, 1983

Ray W. Steinkamp
Notary Public in and for the
County of Midland, Texas
My commission expires 7/9/85



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P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Troy Oney, in the employ of Eastman Whipstock, Inc., did on the days of 11-24, 1983 thru 11-24, 1983 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 3054 feet to 4306 feet, with recordings of inclination and direction being obtained at approximate intervals of 61 feet.

This survey was conducted at the request of Amoco Production Company for their South Hobbs Unit Well No. 150 Lea County, State of New Mexico, in the field.

This data for this survey and the calculation were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

Troy Oney
Directional Supervisor / Surveyor

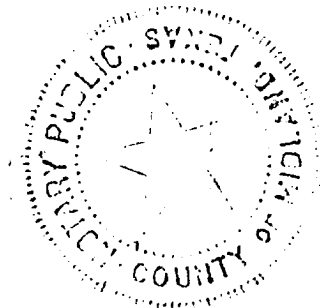
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

Before me, the undersigned authority, on this day personally appeared Troy Oney, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 28TH day of NOV., 1983

Ray C. Steinke
Notary Public in and for the
County of Midland, Texas
My commission expires 7/9/85



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