

XICO OIL CONSERVATION COMMISSIC
WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-28358

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

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

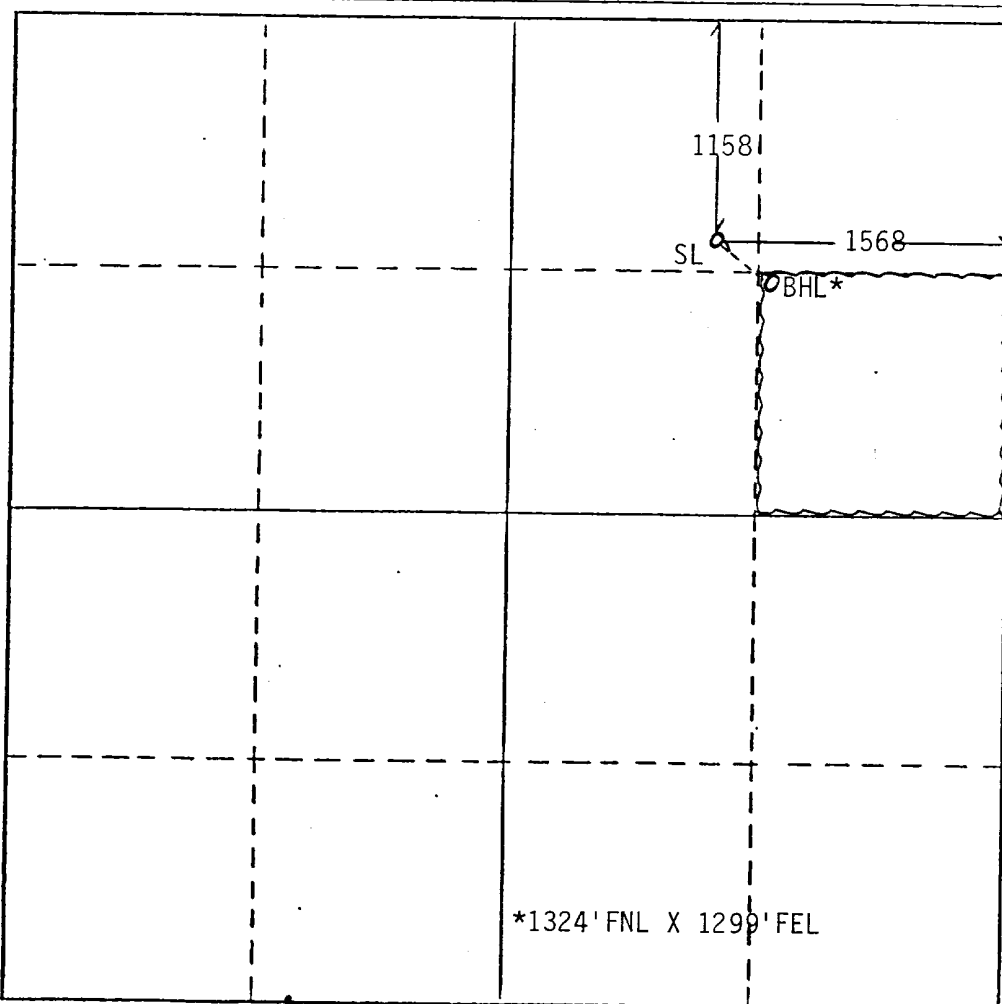
Operator Amoco Production Company			Lease South Hobbs (GSA) Unit		Well No. 155
Unit Letter B	Section 9	Township 19-South	Range 38-East	County Lea	
Actual Footage Location of Well:					
1158 feet from the North		1568 feet from the East			
Ground Level Elev. 3604.0	Producing Formation San Andres	Pool Hobbs GSA	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



CERTIFICATION

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

Name *Charles R. Herring*
 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. _____



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

AMOCO PRODUCTION COMPANY

COMPANY

SOUTH HOBBS UNIT WELL NO. 155

WELL NAME

LEA COUNTY, NEW MEXICO

LOCATION

JOB NUMBER

WT1163-S0135
MS-1323

TYPE OF SURVEY

MAGNETIC MULTI-SHOT SURVEY
MAGNETIC MULTI-SHOT SURVEY

DATE

11/11/83
11/20/83

SURVEY BY

TROY ONEY, ALAN HARBERT
EASTMAN WHIPSTOCK D.I.G.

OFFICE
WEST TEXAS

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 155
LEA COUNTY, NEW MEXICO BDI-219
NOVEMBER 11, 1983

EASTMAN WHIPSTOCK, INC.
MAGNETIC MULTI SHOT SURVEY
SURVEYOR: TROY ONEY
MAGNETIC MULTI-SHOT SURVEY
SURVEYOR: ALAN HARBERT
WT1183-S0135
(0'-1562')
MS-1323
(1562'-4342')

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: S 57 DEG. 26 MIN. E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

TIME DATE
10:44:29 15-DEC-83

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION 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.	0.00	0.00	0.00	0.00
64.	0 15	N 65 W	64.	64.00	-0.14	0.06 N	0.13 W
125.	0 30	N 85 W	61.	125.00	-0.52	0.16 N	0.51 W
186.	1 0	S 64 W	61.	185.99	-1.09	0.02 N	1.29 W
247.	1 0	S 69 W	61.	246.98	-1.69	0.41 S	2.26 W
308.	1 0	S 77 W	61.	307.97	-2.38	0.72 S	3.28 W
369.	1 0	S 51 W	61.	368.97	-2.93	1.18 S	4.23 W
430.	0 45	S 64 W	61.	429.96	-3.32	1.68 S	5.01 W
491.	0 30	N 90 W	61.	490.95	-3.78	1.83 S	5.65 W
553.	0 45	S 59 W	62.	552.95	-4.23	2.01 S	6.30 W
614.	0 30	S 77 W	61.	613.95	-4.61	2.25 S	6.91 W
675.	0 30	N 61 W	61.	674.94	-5.08	2.18 S	7.43 W
736.	0 30	S 79 W	61.	735.94	-5.56	2.10 S	7.94 W
797.	0 15	N 75 W	61.	796.94	-5.90	2.09 S	8.34 W
858.	0 30	N 86 W	61.	857.94	-6.27	2.02 S	8.73 W
919.	0 30	S 89 W	61.	918.94	-6.73	2.01 S	9.26 W
980.	0 45	S 45 W	61.	979.93	-7.09	2.26 S	9.86 W
1041.	0 45	S 52 W	61.	1040.93	-7.31	2.79 S	10.46 W
1102.	0 45	N 86 W	61.	1101.92	-7.82	3.02 S	11.20 W
1163.	0 30	S 70 W	61.	1162.92	-8.32	3.11 S	11.86 W
1224.	0 45	S 51 W	61.	1223.92	-8.63	3.43 S	12.43 W
1285.	0 45	S 45 W	61.	1284.91	-8.84	3.97 S	13.03 W
1346.	1 0	S 55 W	61.	1345.90	-9.12	4.57 S	13.74 W
1407.	0 45	S 73 W	61.	1406.90	-9.60	4.97 S	14.57 W
1468.	0 45	S 66 W	61.	1467.89	-10.08	5.25 S	15.32 W
1529.	1 0	S 70 W	61.	1528.88	-10.62	5.60 S	16.18 W
1562.	1 0	S 55 W	33.	1561.88	-10.91	5.87 S	16.69 W

635 IS THE START OF D.I.G. SURVEY TO 4303.

1635.	0 45	S 75 W	73.	1634.87	-11.50	6.33 S	17.70 W	0.54
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MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION 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
1697.	1 0	S 44 W	62.	1696.86	-11.93	6.81 S 18.50 W	0.85
1759.	0 45	S 66 W	62.	1758.86	-12.29	7.35 S 19.27 W	0.67
1821.	1 0	S 45 W	62.	1820.85	-12.65	7.88 S 20.05 W	0.65
1883.	1 0	S 55 W	62.	1882.84	-12.98	8.57 S 20.88 W	0.28
1945.	0 45	S 43 W	62.	1944.83	-13.24	9.19 S 21.59 W	0.50
2007.	1 0	S 19 W	62.	2006.82	-13.22	10.00 S 22.07 W	0.71
2069.	0 45	S 31 E	62.	2068.82	-12.65	10.91 S 21.98 W	1.25
2131.	0 0	0	62.	2130.82	-12.28	11.26 S 21.77 W	1.21
2193.	0 45	N 77 E	62.	2192.81	-12.00	11.17 S 21.37 W	1.21
2255.	1 30	N 71 E	62.	2254.80	-11.20	10.83 S 20.20 W	1.22
2317.	1 45	N 75 E	62.	2316.78	-10.05	10.32 S 18.52 W	0.44
2379.	2 30	N 64 E	62.	2378.73	-8.68	9.51 S 16.37 W	1.37
2441.	3 0	N 90 E	62.	2440.66	-6.61	8.85 S 13.50 W	2.14
2503.	4 0	S 70 E	62.	2502.55	-3.13	9.50 S 9.79 W	2.52
2565.	5 0	S 61 E	62.	2564.35	1.68	11.52 S 5.37 W	1.97
2682.	5 0	S 71 E	117.	2680.91	11.75	15.66 S 3.94 E	0.74
2690.	7 15	S 62 E	8.	2688.86	12.59	16.00 S 4.72 E	30.50
2752.	7 0	S 51 E	62.	2750.38	20.27	20.24 S 11.12 E	2.23
2814.	7 15	S 54 E	62.	2811.90	27.93	24.92 S 17.22 E	0.72
2876.	8 15	S 53 E	62.	2873.34	36.27	29.89 S 23.94 E	1.63
2938.	8 30	S 54 E	62.	2934.68	45.28	35.26 S 31.20 E	0.47
3000.	9 0	S 56 E	62.	2995.95	54.70	40.67 S 38.93 E	0.94
3062.	10 15	S 57 E	62.	3057.08	65.07	46.40 S 47.57 E	2.03
3124.	10 15	S 58 E	62.	3118.09	76.10	52.32 S 56.88 E	0.29
3186.	10 30	S 61 E	62.	3179.08	87.26	57.99 S 66.50 E	0.96
3248.	10 45	S 61 E	62.	3240.01	98.67	63.53 S 76.49 E	0.40
3310.	10 30	S 62 E	62.	3300.95	110.07	68.99 S 86.54 E	0.50
3372.	10 30	S 65 E	62.	3361.91	121.30	74.03 S 96.65 E	0.88
3434.	10 30	S 68 E	62.	3422.87	132.46	78.53 S 107.01 E	0.88
3496.	10 15	S 70 E	62.	3483.86	143.40	82.53 S 117.44 E	0.71

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S		DOGLEG SEVERITY DG/100FT
				VERTICAL DEPTH FEET	VERTICAL SECTION FEET		FEET	FEET	
3558.	10 15	S 74 E	62.	3544.87	154.07	85.94 S	127.93 E	1.15	
3620.	12 15	S 64 E	62.	3605.68	165.91	90.27 S	139.20 E	4.50	
3682.	12 45	S 60 E	62.	3666.21	179.28	96.57 S	151.05 E	1.61	
3745.	12 45	S 60 E	63.	3727.65	193.17	103.52 S	163.09 E	0.00	
3807.	12 45	S 60 E	62.	3788.12	206.84	110.36 S	174.94 E	0.00	
3869.	12 30	S 59 E	62.	3848.63	220.38	117.24 S	186.62 E	0.54	
3931.	13 0	S 59 E	62.	3909.10	234.06	124.29 S	198.34 E	0.81	
3993.	13 0	S 60 E	62.	3969.51	248.00	131.37 S	210.36 E	0.36	
4055.	13 0	S 60 E	62.	4029.92	261.93	138.34 S	222.44 E	0.00	
4117.	12 0	S 60 E	62.	4090.45	275.34	145.05 S	234.06 E	1.61	
4179.	11 0	S 59 E	62.	4151.20	287.69	151.32 S	244.71 E	1.64	
4241.	10 0	S 59 E	62.	4212.16	298.98	157.14 S	254.40 E	1.61	
4303.	9 30	S 57 E	62.	4273.27	309.48	162.71 S	263.30 E	0.97	
1342 IS A PROJECTION BASED ON MAGNETIC SURVEY.									
4342.	9 30	S 57 E	39.	4311.73	315.92	166.21 S	268.70 E	0.00	

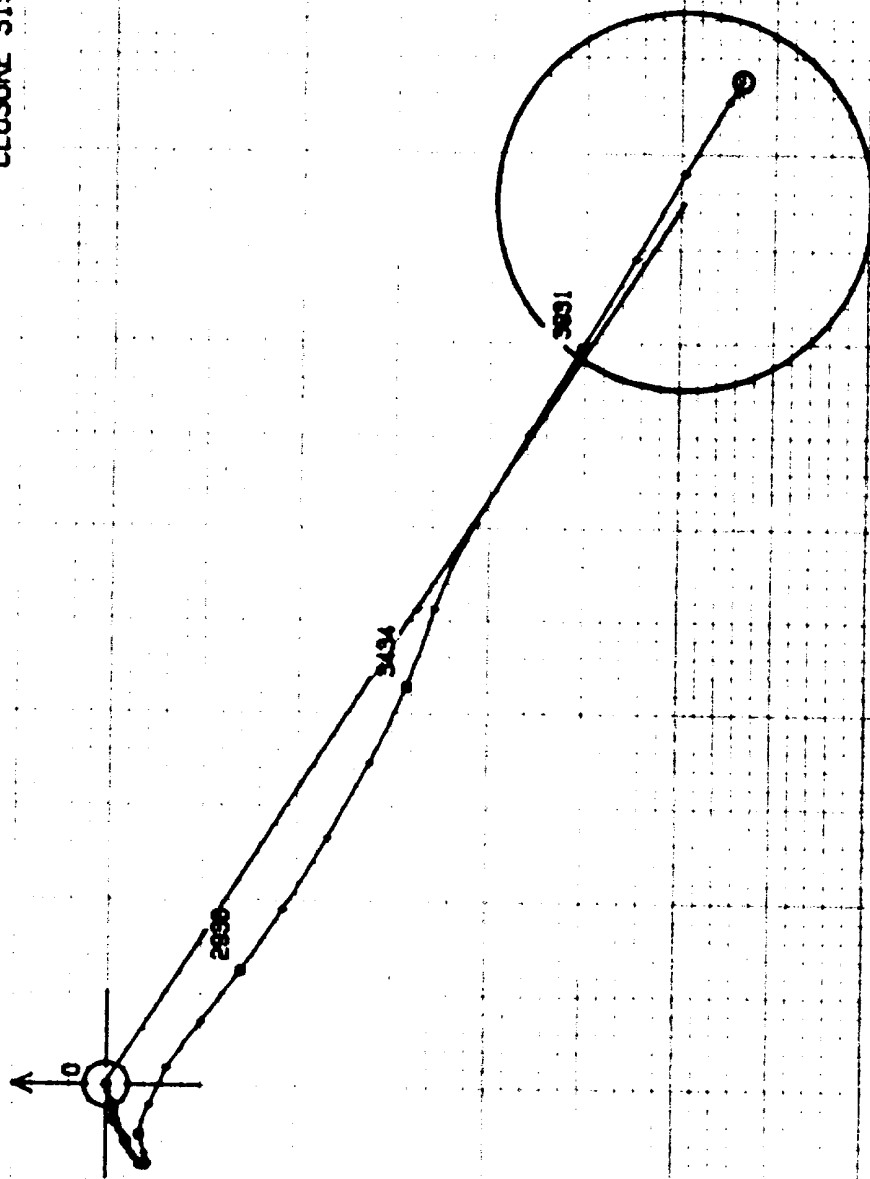
FINAL CLOSURE - DIRECTION: S 58 DEGS 16 MINS E
 DISTANCE: 315.95 FEET

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 155
LEA COUNTY, NEW MEXICO 801-219

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION
SCALE 1 IN. = 50 FEET
DEPTH INDICATOR: MD

FINAL STATION:
DEPTH 4342 MD. 4311.73 TVD
SOUTH 186.21 EAST 288.89
CLOSURE 315.95 S 58 15 35 E





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 11-11, 19 83 thru 11-12, 19 83 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 0 feet to 1562 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. 155 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

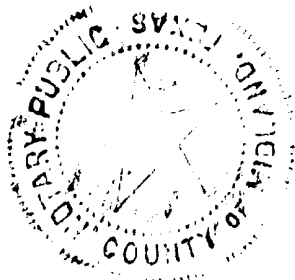
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Ray Steinfke

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 15TH day of DEC., 19 83

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





SURVEY CERTIFICATION

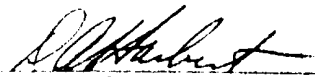
STATE TEXAS

COUNTY OF MIDLAND

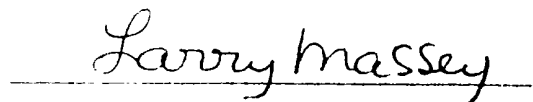
I, D. A. HARBERT, in the employ of D.I.G., Inc., did on the days of 11-20, 1983 through 11-20, 1983 conduct or supervise the taking of a MAGNETIC MULTISHOT survey by the method of magnetic orientation from a depth of 1562 feet to 4342 feet, with recordings of inclination being obtained at approximately intervals of 62 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SHU NO. 155, 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