

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-128
Effective 1-1-65

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

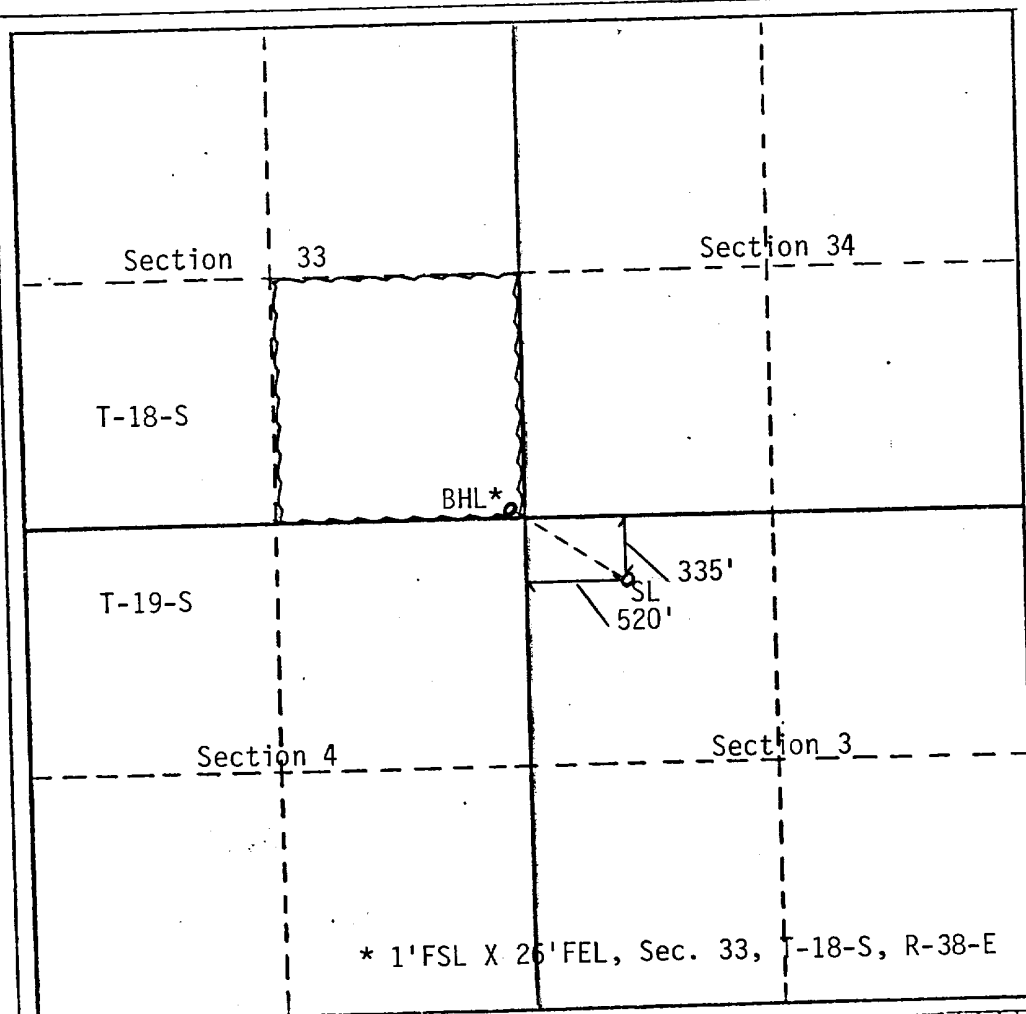
Operator AMOCO PRODUCTION COMPANY		Lease South Hobbs (GSA) Unit		Well No. 128
Unit Letter D	Section 3	Township 19-South	Range 38-East	County Lea
Actual Footage Location of Well: 335 feet from the North line and 520 feet from the West line				
Ground Level Elev. 3617.2	Producing Formation San Andres	Pool Hobbs GSA	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



* 1'FSL X 26'FEL, Sec. 33, T-18-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. 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.

RECEIVED

JAN 5 1984

O.C.D.
HOLDS OFFICE



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

AMOCO PRODUCTION COMPANY
COMPANY

SOUTH HOBBS UNIT WELL NO. 128
WELL NAME

LEA COUNTY, NEW MEXICO
LOCATION

JOB NUMBER

WT1083-S0095
WT1083-S0104
MS-1305

TYPE OF SURVEY

MAGNETIC MULTI-SHOT SURVEY
MAGNETIC MULTI-SHOT SURVEY
MAGNETIC MULTI-SHOT SURVEY

DATE

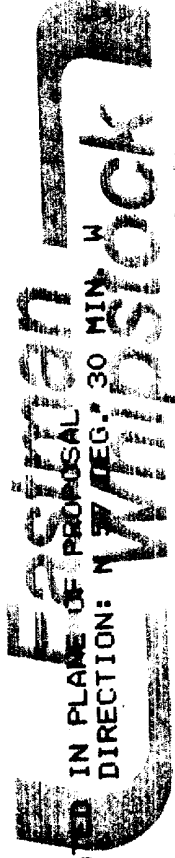
10/22/83
10/26/83
11/08/83

SURVEY BY
GARY DESPAIN, TROY ONEY, D.A. HARBERT
EASTMAN WHIPSTOCK INC. D.I.G.

OFFICE
WEST TEXAS

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 128
LEA COUNTY, NEW MEXICO BDI-135
OCTOBER 22, 1983

EASTMAN WHIPSTOCK INC.
MAGNETIC MULTISHOT SURVEY WT1083-S0095
SURVEYOR: GARY DESPAIN (0'-1600')
MAGNETIC MULTISHOT SURVEY WT1083-S0104
SURVEYOR: TROY ONEY (1600'-3021')
MAGNETIC MULTISHOT SURVEY MS-1305
SURVEYOR: A. HARBERT (3021'-4369')



VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: N 30 MIN. W

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 128
LEA COUNTY, NEW MEXICO BD1-135

COMPUTATION

TIME DATE
10:17:26 30-NOV-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
73.	0 15	S 65 W	73.	73.00	0.09	0.07 S	0.14 W
135.	0 15	N 62 W	62.	135.00	0.31	0.06 S	0.40 W
197.	0 45	S 69 W	62.	197.00	0.77	0.03 S	0.93 W
259.	0 45	S 44 W	62.	258.99	1.10	0.47 S	1.60 W
320.	0 30	S 21 W	61.	319.99	1.10	1.03 S	1.95 W
382.	0 30	S 21 W	62.	381.99	0.99	1.53 S	2.15 W
444.	0 45	S 61 W	62.	443.98	1.09	2.03 S	2.58 W
506.	0 45	S 52 W	62.	505.98	1.42	2.48 S	3.26 W
568.	0 30	S 7 E	62.	567.97	1.30	3.08 S	3.51 W
630.	0 15	S 30 W	62.	629.97	1.16	3.47 S	3.59 W
692.	0 15	S 52 W	62.	691.97	1.20	3.67 S	3.76 W
754.	0 15	S 61 W	62.	753.97	1.31	3.82 S	3.99 W
815.	0 15	S 70 W	61.	814.97	1.46	3.92 S	4.23 W
877.	0 45	S 32 W	62.	876.97	1.63	4.26 S	4.65 W
939.	0 30	S 43 E	62.	938.96	1.24	4.88 S	4.59 W
1001.	0 30	S 42 W	62.	1000.96	0.98	5.38 S	4.58 W
1063.	0 45	S 18 E	62.	1062.96	0.75	6.01 S	4.72 W
1125.	0 15	S 25 E	62.	1124.95	0.31	6.51 S	4.52 W
1187.	0 15	S 61 E	62.	1186.95	0.05	6.71 S	4.34 W
1249.	0 30	S 12 W	62.	1248.95	-0.26	7.05 S	4.18 W
1310.	0 15	S 48 W	61.	1309.95	-0.28	7.39 S	4.38 W
1372.	0 15	S 55 E	62.	1371.95	-0.42	7.63 S	4.36 W
1434.	0 15	S 85 W	62.	1433.95	-0.48	7.83 S	4.42 W
1496.	0 15	N 85 W	62.	1495.95	-0.25	7.83 S	4.69 W
1558.	0 15	N 6 W	62.	1557.95	-0.01	7.65 S	4.86 W
1600.	0 15	S 22 E	42.	1599.95	-0.10	7.62 S	4.74 W
1648.	0 15	N 53 W	48.	1647.95	-0.04	7.72 S	4.86 W
1710.	0 0	0	62.	1709.95	0.09	7.64 S	4.97 W
1772.	0 30	N 76 E	62.	1771.95	-0.10	7.57 S	4.71 W

COMPUTATION

AMOCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 128
LEA COUNTY, NEW MEXICO BD1-135

TIME DATE
10:17:26 30-NOV-83

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
1834.	2 15	N 65 W	62.	1833.93	0.42	6.44 S 4.60 W	4.29
1896.	6 0	N 75 W	62.	1895.76	4.77	4.91 S 8.78 W	6.14
1958.	7 30	N 70 W	62.	1957.32	11.81	2.72 S 15.73 W	2.60
2020.	8 45	N 69 W	62.	2018.70	20.38	0.35 N 23.94 W	2.03
2082.	8 45	N 69 W	62.	2079.98	29.62	3.73 N 32.74 W	0.00
2144.	10 0	N 67 W	62.	2141.15	39.55	7.51 N 42.11 W	2.08
2206.	11 0	N 66 W	62.	2202.11	50.71	12.01 N 52.47 W	1.64
2267.	12 0	N 66 W	61.	2261.88	62.74	16.96 N 63.58 W	1.64
2329.	13 15	N 67 W	62.	2322.38	76.12	22.36 N 76.01 W	2.05
2391.	15 0	N 67 W	62.	2382.51	91.04	28.28 N 89.93 W	2.82
2453.	16 15	N 68 W	62.	2442.22	107.49	34.67 N 105.36 W	2.06
2515.	17 0	N 68 W	62.	2501.62	114.93	41.31 N 121.81 W	1.21
2577.	16 45	N 68 W	62.	2560.95	142.68	48.34 N 138.38 W	1.02
2639.	17 0	N 66 W	62.	2620.28	166.48	55.66 N 154.82 W	0.40
2701.	16 30	N 65 W	62.	2679.65	178.17	63.07 N 171.08 W	0.93
2763.	16 15	N 64 W	62.	2739.14	195.52	70.60 N 186.85 W	0.61
2825.	15 45	N 64 W	62.	2798.74	212.50	78.09 N 202.21 W	0.81
2887.	15 30	N 63 W	62.	2858.44	229.11	85.54 N 217.16 W	0.59
2949.	15 0	N 62 W	62.	2918.26	245.35	93.07 N 231.62 W	0.91
2979.	14 45	N 62 W	30.	2947.26	253.03	96.69 N 238.42 W	0.83
3021.	14 30	N 60 W	42.	2987.89	263.62	101.83 N 247.70 W	1.34
3071.	14 45	N 60 W	50.	3036.27	276.23	108.14 N 258.63 W	0.50
3133.	15 15	N 60 W	62.	3096.16	292.26	116.16 N 272.53 W	0.81
3195.	16 0	N 60 W	62.	3155.87	308.94	124.51 N 286.99 W	1.21
3258.	16 15	N 62 W	63.	3216.39	326.41	132.99 N 302.29 W	0.97
3320.	17 0	N 64 W	62.	3275.80	344.06	141.05 N 318.10 W	1.52
3382.	17 0	N 62 W	62.	3335.09	362.11	149.28 N 334.25 W	0.94
3444.	17 0	N 60 W	62.	3394.38	380.20	158.06 N 350.10 W	0.94
3506.	18 30	N 54 W	62.	3453.43	399.09	168.35 N 365.94 W	3.81
3568.	18 0	N 50 W	62.	3512.31	418.41	180.30 N 381.24 W	2.17

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
3630.	17 15	N 49 W	62.	3571.40	437.00	192.50 N 395.52 W	1.30
3693.	17 0	N 49 W	63.	3631.61	455.35	204.67 N 409.52 W	0.40
3755.	16 45	N 49 W	62.	3690.94	473.15	216.47 N 423.10 W	0.40
3817.	16 30	N 47 W	62.	3750.34	490.64	228.34 N 436.28 W	1.01
3879.	16 30	N 48 W	62.	3809.79	507.99	240.24 N 449.26 W	0.46
3941.	16 30	N 48 W	62.	3869.24	525.35	252.02 N 462.35 W	0.00
4003.	16 0	N 45 W	62.	3928.76	542.38	263.96 N 474.93 W	1.58
4065.	16 15	N 45 W	62.	3988.32	559.19	276.14 N 487.11 W	0.40
4128.	16 0	N 46 W	63.	4048.84	576.31	288.40 N 499.59 W	0.59
4190.	16 0	N 46 W	62.	4108.44	593.05	300.27 N 511.88 W	0.00
4252.	16 0	N 43 W	62.	4168.04	609.70	312.46 N 523.86 W	1.33
4313.	16 0	N 41 W	32.	4226.68	634.44	324.86 N 535.22 W	0.45
4345.	16 0	N 41 W	24.	4257.44	634.44	331.41 N 541.12 W	0.00
4369.	16 45	N 43 W	24.	4280.45	646.99	336.40 N 545.69 W	3.34

FINAL CLOSURE - DIRECTION: N 58 DEGS 21 MINS W
DISTANCE: 641.05 FEET

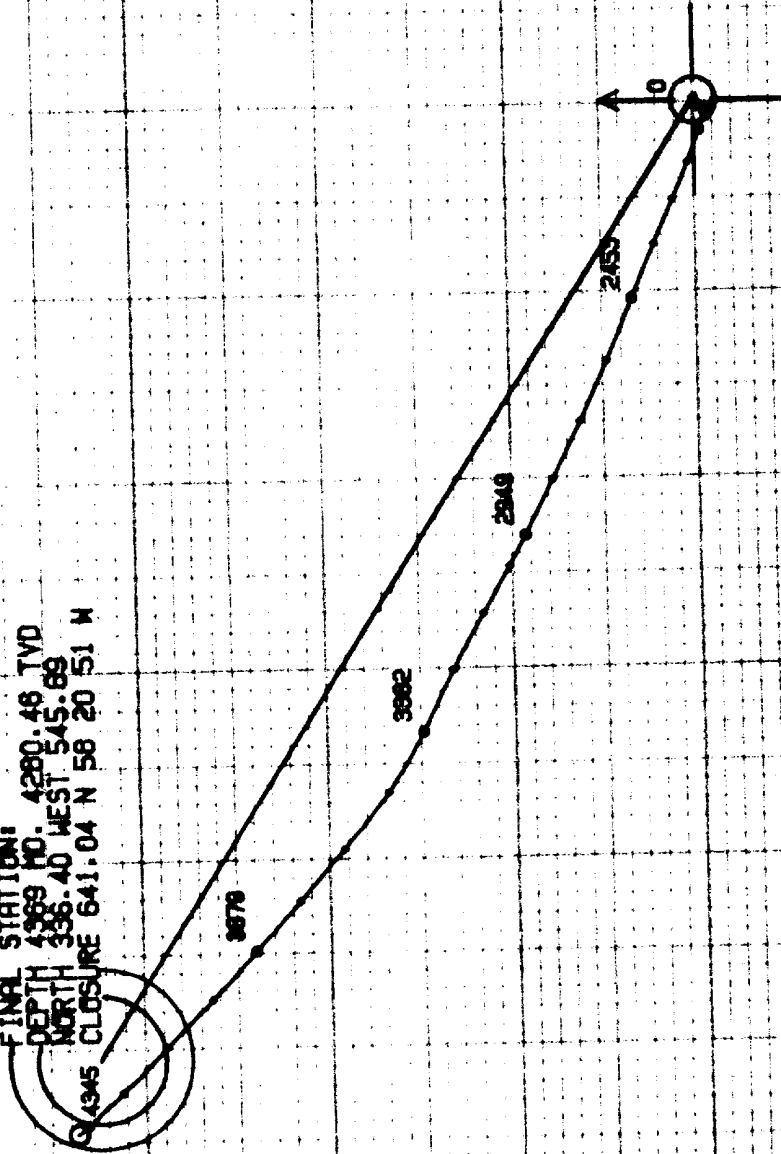
AMCO PRODUCTION COMPANY
SOUTH HOBBS UNIT WELL NO. 128
LEA COUNTY, NEW MEXICO 801-135

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 100 FEET
DEPTH INDICATOR NO

FINAL STATION:
DEPTH 4369 MD. 4280.48 TVD
NORTH 336.40 WEST 545.89
Q4345 CLOSURE 641.04 N 58 20 51 W





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

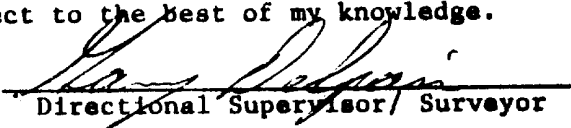
SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

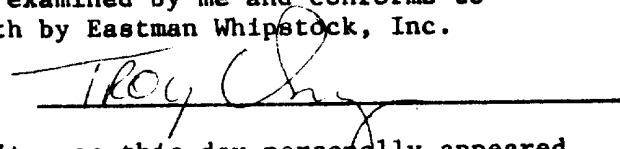
I, GARY DESPAIN, in the employ of Eastman Whipstock, Inc., did on the days of OCTOBER 22, 19 83 thru OCTOBER 22, 19 83 conduct or supervise the taking of a MAGNETIC MULTISHOT survey by the method of magnetic orientation from a depth of 0 feet to 1600 feet, with recordings of inclination and direction being obtained at approximate intervals of 62 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SOUTH SHOBBS UNIT #128, LEA County, State of NEW MEXICO, in the _____ field.

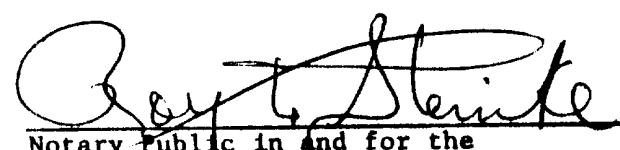
This data for this survey and the calculation were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.


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.


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 30TH day of NOV., 19 83


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





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 10-26, 19 83 thru 10-26, 19 83 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 1600 feet to 3021 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 Well No. 128 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 Delmar

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 30th day of NOV, 19 83

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



SURVEY CERTIFICATIONSTATE TEXASCOUNTY OF MIDLAND

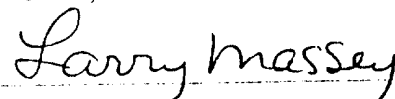
I, D. A. HARBERT, in the employ of D.I.G., Inc., did on the days of 11-8, 1983 through 11-8, 1983 conduct or supervise the taking of a MAGNETIC MULTISHOT survey by the method of magnetic orientation from a depth of 3021 feet to 4369 feet, with recordings of inclination being obtained at approximately intervals of 62 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SHU #128, 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