

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Superseded by 128
Effective 1-65

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

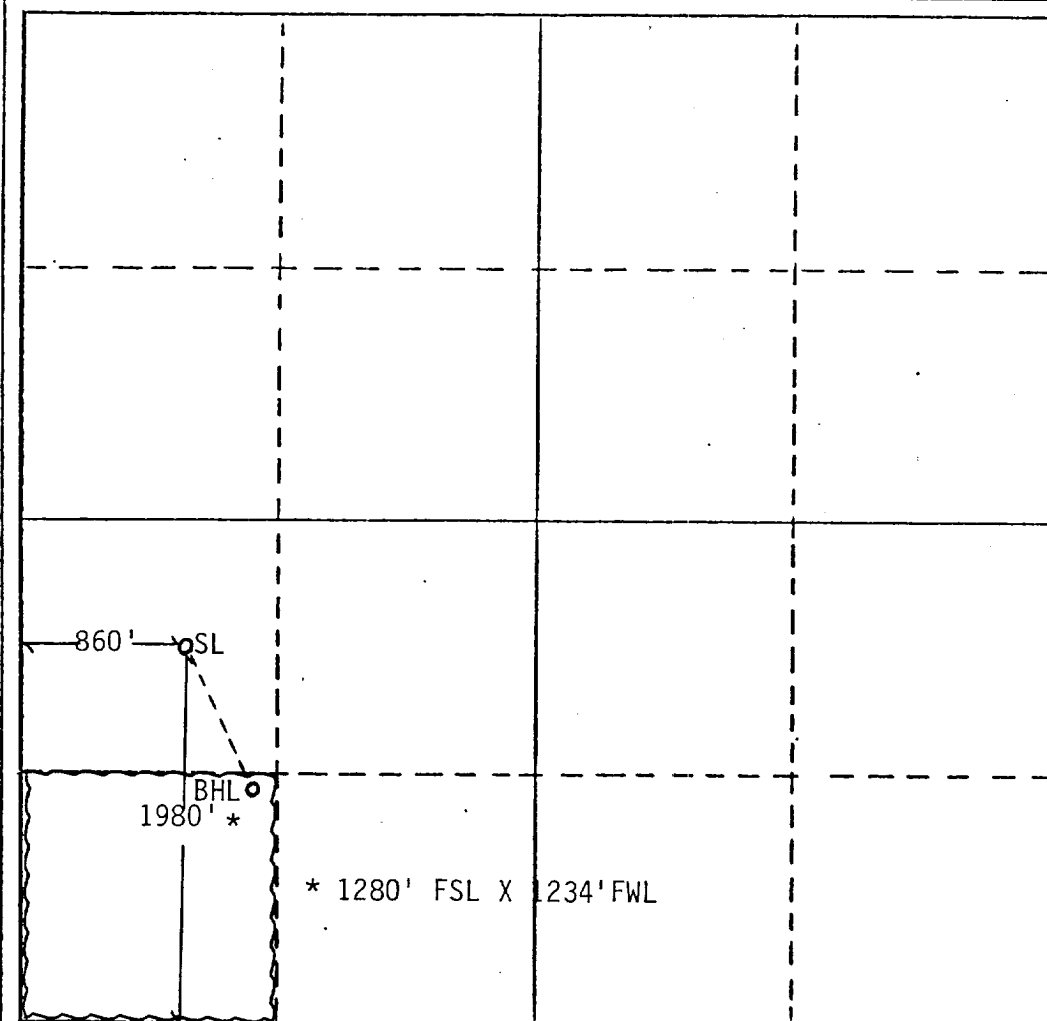
Operator AMOCO PRODUCTION COMPANY			Lease South Hobbs Grayburg San Andres Ut.		Well No. 127
Unit Letter L	Section 34	Township 18-South	Range 38-East	County Lea	
Actual Footage Location of Well: 1980 feet from the South line and 860 feet from the West line					
Ground Level Elev. 3624.6	Producing Formation 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.



CERTIFICATION

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

Name
Charles M. Loring
Position
Administrative Analyst

Company
AMOCO PRODUCTION COMPANY

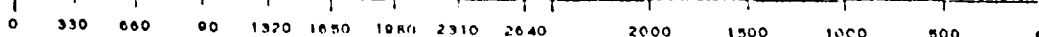
Date
December 29, 1983

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

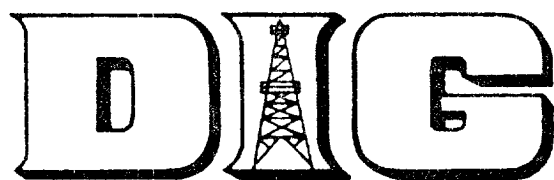
Certificate No.



RECEIVED

JAN 5 1984

O.C.D.
HOBBS OFFICE



SUB-SURFACE
DIRECTIONAL
SURVEY
REPORT

AMOCO PRODUCTION COMPANY
COMPANY

SHU NO. 127
WELL NAME

LEA COUNTY, NEW MEXICO
STATE AND COUNTY

CERTIFIED REPORT

SUSTOMER - TAMOCO PRODUCTION COMPANY

TELE # 127. NO. 127

LOCATION : LEA COUNTY, NEW MEXICO

DATE : 10-10-83, 10-17-83, (EW) 10-21-83

(COD TYPE ;MULTISHOT), MULTISHOT, (EW)MULTISHOT

OB # MS-1279, MS-1287, (EU)S0092

DURVEYOR : A. HARBERT, A. HARBERT, (EW)T, STEPHENS

EPHS :40'-1549', 1549'-3346', (EW)3346'-4433'

REF. 110 DEGREES WEST

100

ILEE # : WT-E2CS FROM WT-D12S;D701

METHOD: RADIUS OF CURVATURE

NOTICE

THIS SURVEY IS CORRECT TO THE
BEST OF MY KNOWLEDGE AND IS
SUPPORTED BY ACTUAL FIELD DATA.

INAL STATION DATA:

DIG REPRESENTATIVE

[illegible]

MEASURED	INCL.	HOLE	COURSE	VERTICAL	VERTICAL	RECTANGULAR	C L U S U R E	005-LEG
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	COORDINATES	DISTANCE	SEVERITY
FEET	DEGS.	DEGS.	FEET	FEET	FEET	FEET	FEET	DEGS.
40.00	0.00	N 00.00 E	0.00	40.00	0.00	0.00	0.00	0.00
112.00	.00	N 00.00 E	72.00	112.00	.10	.31	.31	.69
174.00	0.00	N 00.00 E	62.00	174.00	.27	.50	.50	.81
237.00	.25	S 80.00 E	63.00	237.00	.30	.72	.72	.90
299.00	.25	S 55.00 E	52.00	299.00	.56	.90	.90	.11
362.00	.25	N 00.00 W	63.00	362.00	.69	.92	.92	.79
424.00	.25	N 01.00 W	63.00	424.00	.44	.76	.76	.51
487.00	.25	N 72.00 W	63.00	487.00	.19	.80	.80	.49
549.00	.50	N 05.00 W	62.00	549.00	.06	.20	.20	.41
612.00	.50	S 56.00 W	63.00	611.99	.21	.33	.33	.53
674.00	.50	S 65.00 W	62.00	673.99	.21	.00	.00	.13
737.00	1.00	S 65.00 W	63.00	736.90	.27	1.34	1.34	.79
799.00	.75	S 56.00 W	62.00	798.98	.20	2.37	2.37	.46
862.00	.75	S 50.00 W	63.00	861.97	.23	3.06	3.06	.04
924.00	.50	S 09.00 W	62.00	923.97	.07	3.42	3.42	.91
987.00	.25	S 13.00 W	63.00	986.97	.68	3.50	3.50	.40
1049.00	.25	S 70.00 W	62.00	1048.97	.46	3.67	3.67	.38
1112.00	.75	S 55.00 W	63.00	1111.96	.44	4.16	4.16	.81
1174.00	1.00	S 70.00 W	62.00	1173.96	.31	5.02	5.02	.62
1237.00	1.25	S 80.00 W	63.00	1236.94	.05	6.23	6.23	.40
1299.00	1.25	S 65.00 W	62.00	1298.93	.34	7.52	7.52	.53
1362.00	1.00	S 42.00 W	63.00	1361.92	.19	8.51	8.51	.81
1424.00	1.00	S 34.00 W	62.00	1423.91	.22	9.17	9.17	.23
1487.00	1.00	S 28.00 W	63.00	1486.90	.76	9.74	9.74	.17
1549.00	.75	S 44.00 W	62.00	1548.89	1.15	10.29	10.29	.56

(40'-1549' RESULTS OF D. I.G. SURVEY HS-1279)
(1549'-3346' RESULTS OF D. I.G. SURVEY HS-1287)

MEASURED INCL. HOLE DIRECTION DEGS. DEPTH FEET TRUE VERTICAL DEPTH FEET VERTICAL SECTION FEET COURSE LENGTH FEET RECTANGULAR CURVATURES R/S FEET DISTANCE FEET C L O S U R E DUG-LEG SEVERITY DEGS.

MEASURED	INCL.	HOLE	DIRECTION	DEGS.	DEPTH	FEET	TRUE	VERTICAL	DEPTH	FEET	VERTICAL	SECTION	FEET	COURSE	LENGTH	FEET	RECTANGULAR	CURVATURES	R/S	FEET	DISTANCE	FEET	C L O S U R E	DUG-LEG	SEVERITY	DEGS.
1630.00	7.75	S	44.00	W	1629.88	1.45	1629.88	1.45	1629.88	1.45	1629.88	1.45	1629.88	1.45	81.00	81.00	11.03	W	7.94	13.59	at S	54.23	W	0.00		
1635.00	1.50	S	32.00	W	1632.60	1.81	1632.60	1.81	1632.60	1.81	1632.60	1.81	1632.60	1.81	63.00	63.00	11.62	W	8.70	14.52	at S	53.17	W	0.49		
1736.00	7.75	S	30.00	W	1755.87	2.28	1755.87	2.28	1755.87	2.28	1755.87	2.28	1755.87	2.28	62.00	62.00	12.12	W	9.53	15.41	at S	51.82	W	0.40		
1819.00	2.75	S	01.00	W	1817.84	3.61	1817.84	3.61	1817.84	3.61	1817.84	3.61	1817.84	3.61	62.00	62.00	12.62	W	11.33	16.26	at S	48.82	W	3.33		
1861.00	5.50	S	42.00	E	1860.67	7.90	1860.67	7.90	1860.67	7.90	1860.67	7.90	1860.67	7.90	63.00	63.00	11.87	W	15.49	19.03	at S	35.56	W	6.29		
1944.00	7.50	S	53.00	E	1943.26	14.25	1943.26	14.25	1943.26	14.25	1943.26	14.25	1943.26	14.25	63.00	63.00	5.82	W	20.29	21.18	at S	16.00	W	3.73		
2007.00	9.00	S	60.00	E	2005.51	22.81	2005.51	22.81	2005.51	22.81	2005.51	22.81	2005.51	22.81	63.00	63.00	1.72	E	25.27	25.33	at S	03.80	E	2.86		
2060.00	9.50	S	55.00	E	2063.81	31.40	2063.81	31.40	2063.81	31.40	2063.81	31.40	2063.81	31.40	61.00	61.00	9.93	E	30.54	32.13	at S	18.19	E	1.55		
2132.00	10.75	S	55.00	E	2128.81	41.65	2128.81	41.65	2128.81	41.65	2128.81	41.65	2128.81	41.65	64.00	64.00	19.20	E	36.99	41.68	at S	27.42	E	1.95		
2195.00	12.25	S	59.00	E	2190.55	52.80	2190.55	52.80	2190.55	52.80	2190.55	52.80	2190.55	52.80	63.00	63.00	29.73	E	43.83	52.96	at S	34.14	E	2.70		
2250.00	13.00	S	59.00	E	2252.02	64.80	2252.02	64.80	2252.02	64.80	2252.02	64.80	2252.02	64.80	63.00	63.00	41.53	E	50.92	65.71	at S	39.20	E	1.19		
2320.00	14.50	S	57.00	E	2312.25	77.77	2312.25	77.77	2312.25	77.77	2312.25	77.77	2312.25	77.77	62.00	62.00	54.03	E	58.73	79.80	at S	42.61	E	2.54		
2383.00	15.25	S	46.00	E	2373.13	92.76	2373.13	92.76	2373.13	92.76	2373.13	92.76	2373.13	92.76	63.00	63.00	66.87	E	68.79	95.79	at S	44.10	E	4.63		
2445.00	15.00	S	30.00	E	2432.99	108.71	2432.99	108.71	2432.99	108.71	2432.99	108.71	2432.99	108.71	62.00	62.00	76.59	E	81.49	111.84	at S	43.22	E	6.73		
2506.00	16.50	S	28.00	E	2491.69	125.27	2491.69	125.27	2491.69	125.27	2491.69	125.27	2491.69	125.27	61.00	61.00	84.62	E	95.97	122.95	at S	41.40	E	2.61		
2559.00	17.25	S	29.00	E	2551.98	143.55	2551.98	143.55	2551.98	143.55	2551.98	143.55	2551.98	143.55	63.00	63.00	93.35	E	112.04	145.94	at S	38.29	E	1.28		
2632.00	18.00	S	30.00	E	2612.02	162.63	2612.02	162.63	2612.02	162.63	2612.02	162.63	2612.02	162.63	63.00	63.00	102.74	E	120.65	164.64	at S	38.61	E	1.28		
2695.00	19.25	S	30.00	E	2671.72	182.75	2671.72	182.75	2671.72	182.75	2671.72	182.75	2671.72	182.75	63.00	63.00	112.80	E	146.07	184.56	at S	37.67	E	1.99		
2756.00	19.75	S	29.00	E	2729.22	203.11	2729.22	203.11	2729.22	203.11	2729.22	203.11	2729.22	203.11	61.00	61.00	122.83	E	163.79	204.73	at S	36.86	E	0.99		
2819.00	19.75	S	30.00	E	2788.52	224.40	2788.52	224.40	2788.52	224.40	2788.52	224.40	2788.52	224.40	63.00	63.00	133.31	E	182.32	225.86	at S	36.17	E	0.54		
2881.00	19.50	S	29.00	E	2846.92	245.22	2846.92	245.22	2846.92	245.22	2846.92	245.22	2846.92	245.22	62.00	62.00	143.56	E	200.44	246.55	at S	35.61	E	0.68		
2945.00	19.75	S	30.00	E	2907.20	266.72	2907.20	266.72	2907.20	266.72	2907.20	266.72	2907.20	266.72	64.00	64.00	154.15	E	219.15	267.94	at S	35.12	E	0.65		
3007.00	20.00	S	28.00	E	2965.51	287.79	2965.51	287.79	2965.51	287.79	2965.51	287.79	2965.51	287.79	62.00	62.00	164.37	E	232.59	289.90	at S	34.67	E	1.17		
3070.00	20.00	S	27.00	E	3024.71	309.32	3024.71	309.32	3024.71	309.32	3024.71	309.32	3024.71	309.32	63.00	63.00	174.32	E	256.70	310.29	at S	34.17	E	0.54		
3133.00	19.25	S	25.00	E	3084.05	330.45	3084.05	330.45	3084.05	330.45	3084.05	330.45	3084.05	330.45	63.00	63.00	183.76	E	275.64	331.27	at S	33.69	E	1.30		

MEASURED	INCL. ANGLE	HOLE DIRECTION	COURSE LENGTH	VERTICAL DEPTH	TRUE VERTICAL SECTION	RECTANGULAR COORDINATES	C L U S U R E	DISTANCE	DIRECTION	DOG-LEG SEVERITY
FEET	DEGS.	DEGS.	FEET	FEET	FEET	N/S	FEET	FEET	DEGS.	DEGS/100FT
3194.00	19.50	S 25.00 E	61.00	3141.59	350.66	293.90 S	192.42 E	351.31at S	13.21 E	.69
3251.00	19.75	S 26.00 E	60.00	3190.19	370.49	311.67 S	201.84 E	371.05at S	32.80 E	.69
3315.00	19.00	S 25.00 E	61.00	3255.53	390.42	329.90 S	209.64 E	390.80at S	32.43 E	.60
3396.00	19.00	S 24.00 E	61.00	3285.14	400.47	337.09 S	213.53 E	400.80at S	32.23 E	.45
(1542' - 3346' RESULTS OF 0.1 G. SURVEY RS-1287)										
3409.00	18.50	S 24.00 E	63.00	3344.79	420.62	357.59 S	222.06 E	420.93at S	31.04 E	.79
3470.00	17.75	S 23.00 E	61.00	3402.77	439.49	374.99 S	229.63 E	439.71at S	31.48 E	1.33
3531.00	17.75	S 21.00 E	61.00	3460.86	457.92	392.23 S	236.60 E	458.07at S	31.09 E	1.00
3593.00	17.00	S 21.00 E	62.00	3520.03	476.22	409.52 S	243.23 E	476.30at S	30.70 E	1.21
3654.00	16.25	S 20.00 E	61.00	3578.48	493.45	425.86 S	249.34 E	493.42at S	30.34 E	1.32
3715.00	16.00	S 20.00 E	61.00	3637.08	510.16	441.70 S	255.14 E	510.17at S	30.60 E	.41
3777.00	18.00	S 24.00 E	62.00	3696.39	528.12	458.59 S	261.93 E	528.12at S	29.73 E	3.74
3838.00	18.75	S 26.00 E	61.00	3754.26	547.28	476.01 S	270.05 E	547.28at S	29.56 E	1.61
3899.00	19.50	S 26.00 E	61.00	3811.09	567.23	493.98 S	278.81 E	567.23at S	29.44 E	1.23
3961.00	20.25	S 24.00 E	62.00	3870.20	588.23	513.00 S	287.72 E	588.25at S	29.28 E	1.63
4022.00	21.50	S 25.00 E	61.00	3927.19	609.88	532.86 S	296.74 E	609.91at S	29.11 E	2.13
4084.00	22.25	S 24.00 E	62.00	3984.73	632.89	553.88 S	306.31 E	632.94at S	28.94 E	1.35
4145.00	24.25	S 24.00 E	61.00	4040.77	656.85	575.87 S	316.11 E	656.93at S	28.76 E	3.20
4205.00	26.00	S 24.00 E	61.00	4096.00	682.62	599.53 S	326.64 E	682.74at S	28.58 E	2.97
4266.00	28.00	S 26.00 E	62.00	4151.24	710.67	625.04 S	336.54 E	710.83at S	28.44 E	3.54
4329.00	29.75	S 26.00 E	61.00	4204.65	740.07	651.52 S	351.45 E	740.26at S	28.34 E	2.97
4390.00	31.25	S 25.00 E	61.00	4257.21	770.95	679.46 S	364.78 E	771.12at S	28.22 E	2.60
4427.00	32.00	S 25.00 E	37.00	4288.72	790.29	697.04 S	372.90 E	790.56at S	28.15 E	2.03
(3345' - 4433' RESULTS OF EASTMAN WHIPSTOCK SURVEY 50092)										
4435.00	32.00	S 25.00 E	6.00	4293.80	793.45	699.92 S	374.32 E	793.73at S	28.13 E	0.00

COURSE DISTANCE = 793.73 FEET.

AMOCO PRODUCTION COMPANY

WELL #
SHU NO. 127

LOCATION
LEA COUNTY, NEW MEXICO

DATE
10-10-83, 10-17-83, (EW) 10-21-83

JOB TYPE
MULTISHOT, MULTISHOT, (EW) MULTISHOT

JOB #
MS-1279, MS-1287, (EW) S0092

SURVEYOR
A. HARBERT, A. HARBERT, (EW) T. STEPHENS

DEPTHS
40'-1540', 1540'-3348', (EW) 3348'-4433'

DECL.
10 DEGREES EAST

ELEV.
0'

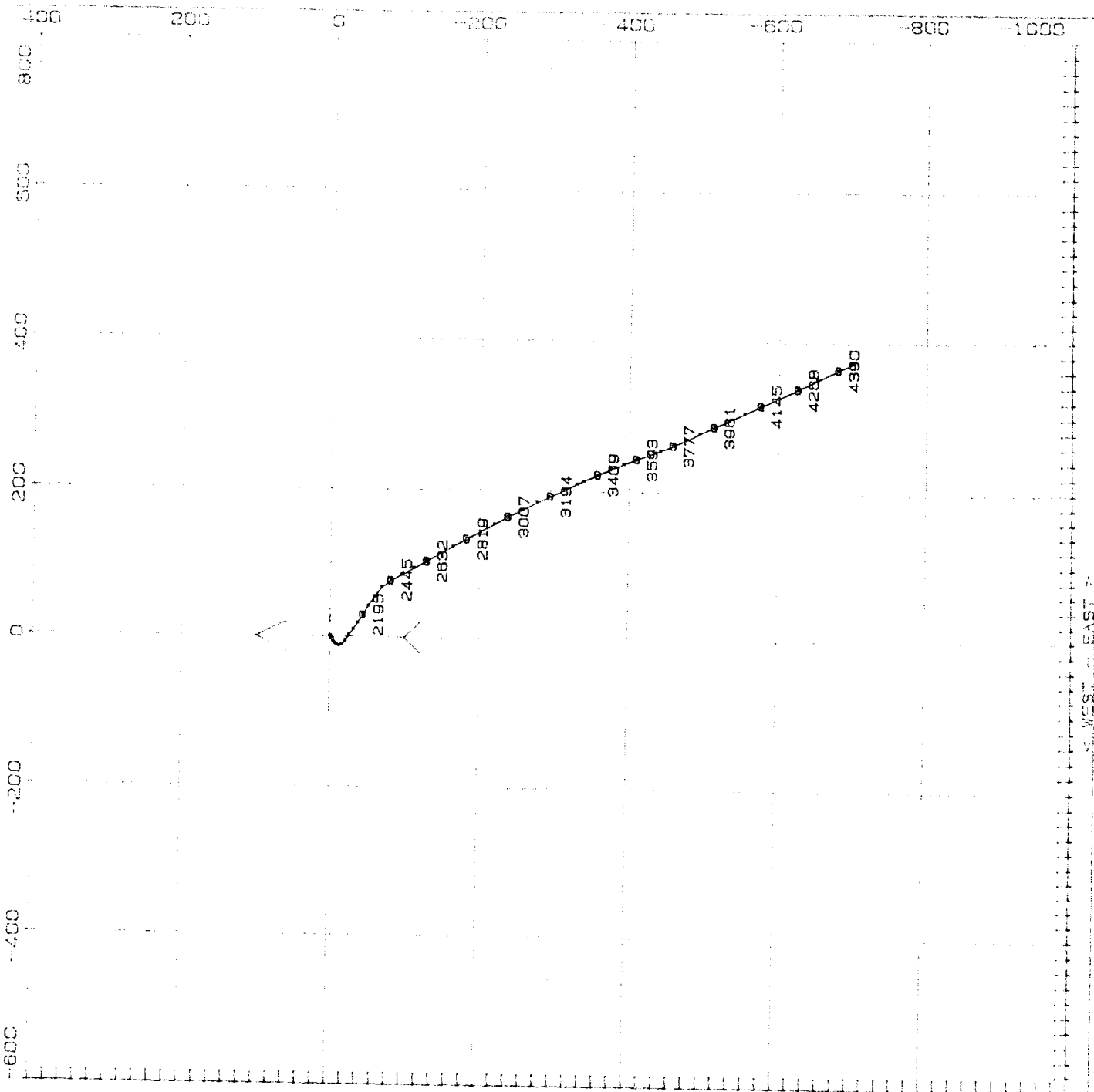
FILE #
WT-E2CS FROM WT-012S, 0701

FINAL STATION DATA:

MD. 4433.00
TVD. 4293.80
N/S -699.92
E/W 374.32

CLOSURE DISTANCE
793.73 FEET
CLOSURE DIRECTION
S .28 E

1 IN. = 200 FT.



WEST EAST



DIRECTIONAL
INVESTMENT
GUIDANCE, INC.

SURVEY CERTIFICATION

STATE TEXAS

COUNTY OF MIDLAND

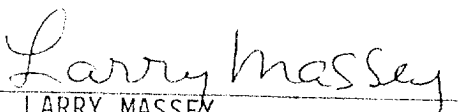
I, D.A. HARBERT, in the employ of D.I.G., Inc., did on the days of 10-10-, 1983 through 10-10-, 1983 conduct or supervise the taking of a MULTISHOT survey by the method of magnetic orientation from a depth of 40 feet to 1549 feet, with recordings of inclination being obtained at approximately intervals of 65 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SHU NO. 127, 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



DIRECTIONAL
INVESTMENT
GUIDANCE, INC.

SURVEY CERTIFICATION

STATE TEXAS

COUNTY OF MIDLAND

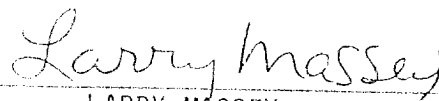
I, D. A. HARBERT, in the employ of D.I.G., Inc., did on the days of 10-17, 1983 through 10-17, 1983 conduct or supervise the taking of a MULTISHOT survey by the method of magnetic orientation from a depth of 1549 feet to 3346 feet, with recordings of inclination being obtained at approximately intervals of 62 feet.

This survey was conducted at the request of AMOCO PRODUCTION COMPANY for their SHU NO. 127, 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, Tim Stephens, in the employ of Eastman Whipstock, Inc., did on the days of 10-21, 19 83 thru 10-21, 19 83 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 3346 feet to 4427 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. 127 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.

Tim Stephens

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.

Roy C. Steinke

Before me, the undersigned authority, on this day personally appeared Tim Stephens, 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 16th day of NOV, 19 83

Roy C. Steinke

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

