

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-702
Supersedes 1-620
Effective 1-70

All distances must be from the outer boundaries of the Section

Operator Doyle Hartman Oil Operators		Lease Winningham		Well No. 8
Unit Letter 0	Section 19	Township 25 South	Range 37 East	County Lea
Actual Location of Well:				
1160 feet from the South line and		1610 feet from the East line		
Ground Level Elev. 3058.0	Producing Formation Yates	Pool Jalmat (Gas)	Indicated Acreage: 480 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.) _____

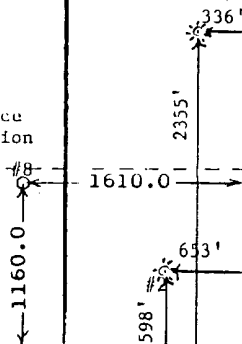
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

SECTION 19

(Approval for Non-Standard Jalmat Proration Unit and Simultaneous Dedication is pending awaiting hearing set before the New Mexico Oil Conservation Division in Santa Fe)

Bottom-hole
Location #8

Surface
Location



CERTIFICATION

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

Michelle Hembree
Name

Michelle Hembree

Position

Administrative Assistant

Company

Doyle Hartman

Date

January 26, 1984

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

11-14-1983

Registered Professional Engineer
and/or Land Surveyor

Truman Gaskin
Truman Gaskin

CERTIFICATION

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

Name

Position

Company

Date

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

11-14-1983

Registered Professional Engineer
and/or Land Surveyor

Truman Gaskin
Truman Gaskin

Certification No.



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

Doyle Hartman
COMPANY

Winningham Well No. 8
WELL NAME

Lea County, New Mexico
LOCATION

<u>JOB NUMBER</u>	<u>TYPE OF SURVEY</u>	<u>DATE</u>
WT0184-S0231	Magnetic Multi-Shot Survey	01/03/84
WT0164-S0239	Magnetic Multi-Shot Survey	01/06/84

SURVEY BY
Troy Oney, Troy Oney

OFFICE
West Texas

DOYLE HARTMAN
WINNINGHAM WELL NO. 8
LEA COUNTY, NEW MEXICO BD1-205
JANUARY 3, 1984

EASTMAN WHIPSTOCK, INC.
MAGNETIC MULTI SHOT SURVEY
SURVEYOR: TROY ONEY
MAGNETIC MULTI SHOT SURVEY
SURVEYOR: TROY ONEY

WT0184-S0231
(415'-3137')
WT0184-S0239
(3137'-3993')

THE MEASURED DEPTH OF 4017 IS A PROJECTION BASED ON PREVIOUS
SURVEY STATION.

Eastman Whipstock
VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: N 47 DEG E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

TIME DATE

08:47:50 08-FEB-84

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 FEET		FEET		
415.	5 45	N 60 E	0.	414.60	12.01	5.79 N	10.96 E	0.00	
486.	8 0	N 60 E	71.	485.08	20.32	10.04 N	18.32 E	3.17	
547.	9 0	N 56 E	61.	545.41	29.20	14.82 N	25.96 E	1.90	
578.	9 45	N 55 E	31.	576.00	34.20	17.68 N	30.13 E	2.48	
640.	10 30	N 53 E	62.	637.03	45.04	24.08 N	38.94 E	1.34	
702.	11 45	N 53 E	62.	697.87	56.95	31.28 N	48.50 E	2.02	
763.	12 30	N 51 E	61.	757.51	69.73	39.17 N	58.59 E	1.41	
825.	13 30	N 50 E	62.	817.92	83.66	48.04 N	69.35 E	1.65	
886.	14 15	N 47 E	61.	877.14	98.29	57.73 N	80.31 E	1.70	
948.	15 15	N 45 E	62.	937.09	114.07	68.70 N	91.66 E	1.81	
1010.	16 30	N 44 E	62.	996.73	130.99	80.79 N	103.55 E	2.06	
1071.	17 15	N 44 E	61.	1055.10	148.66	93.53 N	115.85 E	1.23	
1133.	18 0	N 41 E	62.	1114.19	167.35	107.37 N	128.53 E	1.90	
1194.	19 15	N 41 E	61.	1171.99	186.69	122.07 N	141.31 E	2.05	
1256.	20 0	N 42 E	62.	1230.39	207.38	137.67 N	155.11 E	1.33	
1317.	21 0	N 40 E	61.	1287.53	228.59	153.79 N	169.12 E	2.00	
1379.	22 0	N 40 E	62.	1345.21	251.10	171.20 N	183.73 E	1.61	
1441.	23 0	N 40 E	62.	1402.49	274.60	189.37 N	198.98 E	1.61	
1502.	24 0	N 40 E	61.	1458.43	298.69	208.00 N	214.62 E	1.64	
1564.	25 0	N 40 E	62.	1514.85	324.16	227.70 N	231.14 E	1.61	
1626.	26 30	N 41 E	62.	1570.69	350.87	248.18 N	248.64 E	2.52	
1688.	27 45	N 39 E	62.	1625.87	378.87	269.83 N	266.80 E	2.50	
1749.	28 45	N 39 E	61.	1679.60	407.40	292.27 N	284.97 E	1.64	
1811.	29 45	N 39 E	62.	1733.70	437.33	315.81 N	304.04 E	1.61	
1872.	31 0	N 38 E	61.	1786.32	467.76	339.95 N	323.24 E	2.21	
1934.	32 0	N 37 E	62.	1839.19	499.62	365.65 N	342.96 E	1.82	
1996.	33 0	N 38 E	62.	1891.48	532.39	392.08 N	363.24 E	1.83	
2057.	34 45	N 36 E	61.	1942.12	565.78	419.23 N	383.70 E	3.40	
2119.	36 0	N 36 E	62.	1992.67	600.90	448.27 N	404.80 E	2.02	
2181.	37 0	N 37 E	62.	2042.51	637.05	477.92 N	426.73 E	1.88	

Easton
WMS

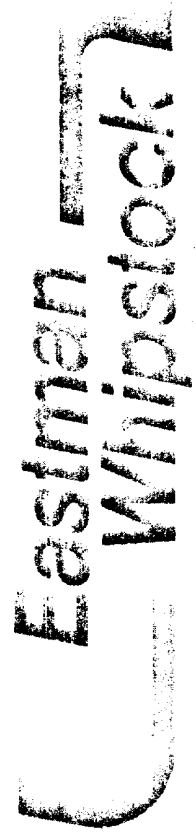
MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	R E C T A N G U L A R C O O R D I N A T E S FEET	DOGLEG SEVERITY DG/100FT
2242.	38 15	N 38 E	61.	2090.82	673.68	507.46 N 449.40 E	2.28
2304.	38 45	N 40 E	62.	2139.35	711.81	537.45 N 473.69 E	2.16
2365.	39 0	N 40 E	61.	2186.84	749.74	566.78 N 498.30 E	0.41
2427.	39 15	N 40 E	62.	2234.93	788.42	596.75 N 523.45 E	0.40
2489.	39 0	N 41 E	62.	2283.03	827.28	626.50 N 548.85 E	1.09
2550.	39 15	N 43 E	61.	2330.35	865.57	655.10 N 574.61 E	2.11
2612.	39 45	N 45 E	62.	2378.19	904.91	683.47 N 602.00 E	2.20
2674.	40 0	N 46 E	62.	2425.77	944.63	711.33 N 630.35 E	1.11
2735.	39 45	N 47 E	61.	2472.59	983.72	738.25 N 658.72 E	1.13
2797.	39 15	N 47 E	62.	2520.43	1023.16	765.14 N 687.56 E	0.81
2858.	39 30	N 48 E	61.	2567.58	1061.85	791.29 N 716.09 E	1.12
2920.	39 0	N 48 E	62.	2615.59	1101.08	817.54 N 745.24 E	0.81
2982.	38 45	N 50 E	62.	2663.86	1139.91	843.06 N 774.61 E	2.06
3043.	38 0	N 50 E	61.	2711.68	1177.83	867.41 N 803.62 E	1.23
3105.	37 30	N 50 E	62.	2760.71	1215.76	891.80 N 832.70 E	0.81
3137.	37 15	N 50 E	32.	2786.14	1235.17	904.29 N 847.58 E	0.78
3173.	36 45	N 51 E	36.	2814.89	1256.81	918.07 N 864.29 E	2.17
3235.	36 0	N 52 E	62.	2864.80	1293.51	940.96 N 893.07 E	1.54
3297.	35 0	N 53 E	62.	2915.28	1322.40	962.88 N 921.63 E	1.87
3359.	35 0	N 55 E	62.	2966.07	1364.75	983.73 N 950.40 E	1.85
3421.	34 45	N 55 E	62.	3016.93	1399.93	1004.11 N 979.44 E	0.40
3483.	34 45	N 56 E	62.	3067.87	1434.96	1024.13 N 1008.57 E	0.92
3546.	35 0	N 56 E	63.	3119.56	1470.62	1044.27 N 1038.43 E	0.40
3608.	35 15	N 56 E	62.	3170.27	1505.93	1064.22 N 1068.00 E	0.40
3670.	35 30	N 56 E	62.	3220.82	1541.47	1084.29 N 1097.76 E	0.40
3732.	36 0	N 57 E	62.	3271.14	1577.28	1104.28 N 1127.97 E	1.24
3794.	36 30	N 58 E	62.	3321.14	1613.43	1123.98 N 1158.88 E	1.25
3856.	37 0	N 59 E	62.	3370.82	1649.89	1143.36 N 1190.51 E	1.26
3918.	37 30	N 58 E	62.	3420.17	1686.77	1162.97 N 1222.51 E	1.27
3980.	38 0	N 58 E	62.	3469.19	1724.14	1183.08 N 1254.70 E	0.81

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	FEET		FEET	FEET	
3993.	38 15	N 58 E	13.	3479.42	1732.04	1187.34	N 1261.51	E	1.92

4017 IS A PROJECTION BASED ON PREVIOUS SURVEY STATION.

4017.	38 15	N 58 E	24.	3498.27	1746.67	1195.21	N 1274.11	E	0.00
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FINAL CLOSURE - DIRECTION: N 46 DEGS 50 MINS E
 DISTANCE: 1746.96 FEET



00-801-26

44

237



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 1-2, 19 83 thru 1-3, 19 83 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 415 feet to 3137 feet, with recordings of inclination and direction being obtained at approximate intervals of 62 feet.

This survey was conducted at the request of Doyle Hartman for their Winningham Well No. 8, 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.

[Signature]
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.

[Signature]

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 16TH day of JAN, 19 84

[Signature]
Notary Public in and for the
County of Midland, Texas
My commission expires 7/19/85



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 1-6, 19 84 thru 1-6, 19 84 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 3137 feet to 3993 feet, with recordings of inclination and direction being obtained at approximate intervals of 62 feet.

This survey was conducted at the request of Doyle Hartman for their Winningham Well No. 8, 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.

[Signature]
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.

[Signature]

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 16th day of JAN, 19 84

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



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.

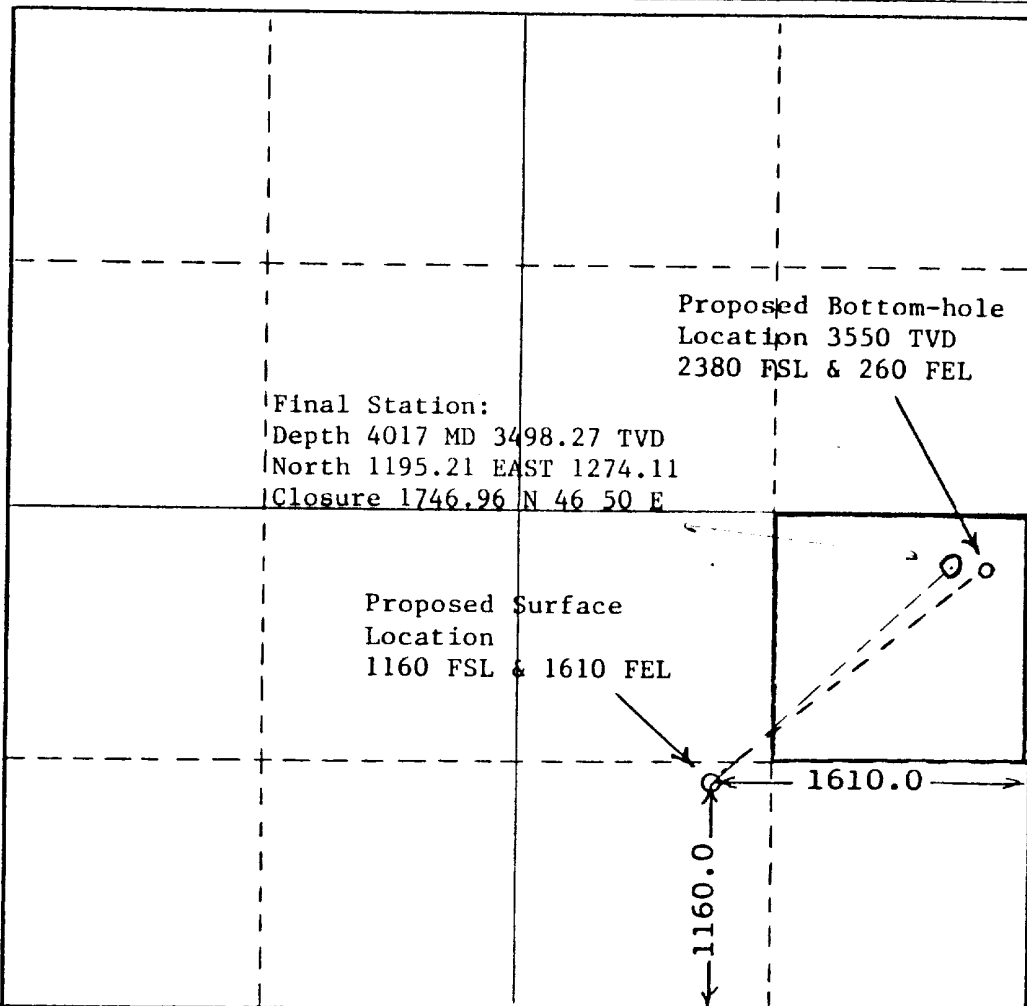
Operator Doyle Hartman Oil Operators		Lease Winningham		Well No. 8
Unit Letter 0	Section 19	Township 25 South	Range 37 East	County Lea
Actual Footage Location of Well: 1160 feet from the South line and 1610 feet from the East line				
Ground Level Elev. 3058.0	Producing Formation Yates-Seven Rivers	Pool Jalmat (Oil)	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.

Larry A. Nermyr

Name

Larry A. Nermyr

Position

Engineer

Company

Doyle Hartman

Date

December 2, 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

11-14-1983

Registered Professional Engineer
and/or Land Surveyor

Truman Gaskin
Truman Gaskin

Certificate No.

2126

DEC 2 1983