

COUNTY	LEA	FIELD	Gladiola	STATE	NM		
OPR	DYAD ASSOCIATES			API	30-025-28642		
O	1	LEASE	Field	MAP			
	Sec 25, T12S, R37E			CO-ORD			
	1980 FNL, 1700 FEL of Sec				6-3-6 NM		
	2 mi E/Gladiola			SPD	3-21-84 CMP 3-20-85		
CSC	13 3/8-600-400 sx 8 5/8-4500-1200 sx 5 1/2-9600 2 3/8-9500			WELL CLASS: INIT D FIN D LSE. CODE			
				FORMATION	DATUM	FORMATION	DATUM
	TD 12,432 (DVNN)			PBD			
DRY & ABANDONED							

CONTR	Moranco #7	OPRSELEV	3873 GR	SUBS	15
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F.R. 3-19-84
 PD 12,500 RT (Devonian)
 3-27-84 Drlg 4396
 4-2-84 Drlg 6625
 4-9-84 Drlg 8560
 4-17-84 Drlg 10,120
 4-24-84 Drlg 11,178
 4-30-84 Drlg 11,470
 5-8-84 Drlg 12,050
 5-15-84 TD 12,150; PBD 10,200; Prep ST
 5-29-84 TD 12,150; Drlg by @ 10,000
 PB to 10,200 & drld off
 Att DST Tight
 6-5-84 TD 12,150; Drlg by @ 10,370
 6-19-84 TD 12,150; Drlg by @ 11,126
 6-26-84 TD 12,150; Drlg by @ 11,400
 7-3-84 TD 12,150; Drlg by @ 11,703
 6-3-6 NM

LEA
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Gladiola
1 Field
Sec 25, T12S, R37E

NM
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7-10-84 TD 12,379, PBD 9714; WOCT
No Cores
PB to 9714
7-17-84 TD 12,379, PBD 9714; Prep Test
Perf (Wolfcamp) @ 9579, 9581, 9583, 9604,
9606, 9609, 9611, 9613, 9615, 9621, 9622
w/1 SPI
Acid (9579-9622) 1500 gals (15%)
8-22-84 TD 12,379; PBD 9600; WOP
No gge (9579-9622)
Perf (Devonian) 9511-9518
Natural
Swbd 80 BO + 35 BW in 8 hrs (9511-9622) 6-3-6 NM

10-11-84 TD 12,379; TOP
10-30-84 TD 12,379; PBD 9714; SI Eval
Sqzd (9511-9622) & DOC
Perf (Wolfcamp) 9511-9515
Acid (9511-9515) 1000 gals
12-7-84 TD 12,379; PBD 9714; TOP
Ppd 5 BO in 24 hrs (9511-9515)
2-8-85 TD 12,379; PBD 9714; TOP
Ppd 4 BO in 24 hrs (9511-9515)
3-8-85 TD 12,379; PBD 9714, SI
4-11-85 TD 12,379; D&A
6-10-85 TD 12,379; Dry & Abandoned
LOG TOPS: Rustler 2226, Salt 2341, Yates
3099, Seven Rivers 3226, Queen 4010, Grayburg
6-3-6 NM

LEA
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Gladiola
1 Field
Sec 25, T12S, R37E

NM
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6-10-85 Continued
4220, San Andres 4470, Tubb 7173, Abo 7879,
Wolfcamp 9071, Pennsylvanian 9650, Mississippian
11,550, Devonian 12,120
LOGS RUN: DILL, BHC, GRL, CWL
Rig Released 7-4-85
6-15-85 COMPLETION ISSUED

6-3-6 NM
IC 30-025-70100-84



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

DYAD ASSOCIATES
COMPANY

DYAD FIELD WELL NO. 1
WELL NAME

LEA COUNTY, NEW MEXICO
LOCATION

JOB NUMBER

WT0464-S0344

TYPE OF SURVEY

MAGNETIC MULTISHOT

DATE

4/14/84

SURVEY BY
GARY DESPAIN

OFFICE
WEST TEXAS

DYAD ASSOCIATES
DYAD FIELD WELL NO. 1
LEA COUNTY, NEW MEXICO BD2-33
APRIL 14, 1984

EASTMAN WHIPSTOCK, INC.
MAGNETIC MULTI SHOT SURVEY WT0484-S0344
SURVEYOR: GARY DESPAIN (4500'-9193')



VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: N 17 DEG E

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

MEASURED DEPTH FEET	DRIFT		DIRECTION D	COURSE LENGTH FEET	TRUE		VERTICAL SECTION FEET	RECTANGULAR COORDINATES		DOGLEG SEVERITY DG/100FT
	ANGLE D M				VERTICAL DEPTH FEET			FEET		
4500.	0 0		0	0.	4500.00		0.00	0.00	0.00	0.00
4593.	0 45		N 44 E	93.	4593.00		0.61	0.44 N	0.42 E	0.81
4686.	1 0		N 51 E	93.	4685.99		2.03	1.40 N	1.47 E	0.29
4780.	1 0		N 42 E	94.	4779.97		3.66	2.52 N	2.66 E	0.17
4873.	0 45		N 42 E	93.	4872.96		5.08	3.58 N	3.61 E	0.27
4966.	1 0		N 47 E	93.	4965.95		6.49	4.59 N	4.60 E	0.28
5059.	1 0		N 22 E	93.	5058.94		8.06	5.92 N	5.51 E	0.47
5153.	1 15		N 37 E	94.	5152.92		9.81	7.52 N	6.42 E	0.41
5246.	1 30		N 43 E	93.	5245.89		12.02	9.23 N	7.85 E	0.31
5339.	1 45		N 38 E	93.	5338.85		14.64	11.23 N	9.57 E	0.31
5432.	1 30		N 38	93.	5431.82		17.04	13.31 N	11.19 E	0.27
5526.	1 30		N 31	94.	5525.78		19.63	15.34 N	12.58 E	0.19
5619.	2 0		N 35	93.	5618.89		21.41	17.72 N	14.13 E	0.55
5712.	1 45		N 58 E	93.	5711.85		23.41	19.80 N	16.32 E	0.85
5805.	1 45		N 40 E	93.	5804.85		28.23	21.66 N	18.46 E	0.59
5899.	1 45		N 29 E	94.	5898.60		31.03	24.02 N	20.08 E	0.36
5992.	2 0		N 33 E	93.	5991.55		33.94	26.63 N	21.65 E	0.30
6085.	2 15		N 37 E	93.	6084.49		37.31	29.45 N	23.63 E	0.31
6178.	2 45		N 46 E	93.	6177.40		41.34	32.49 N	26.31 E	0.68
6271.	2 30		N 46 E	93.	6270.30		45.60	35.45 N	29.38 E	0.27
6365.	2 45		N 51 E	94.	6364.21		49.90	38.30 N	32.60 E	0.36
6458.	2 45		N 50 E	93.	6457.10		54.36	41.14 N	36.04 E	0.05
6551.	2 30		N 56 E	93.	6550.00		58.60	43.70 N	39.45 E	0.40
6644.	2 45		N 58 E	93.	6642.90		62.80	46.02 N	43.02 E	0.29
6738.	2 30		N 53 E	94.	6736.80		67.07	48.46 N	46.57 E	0.36
6831.	2 45		N 58 E	93.	6829.71		71.28	50.87 N	50.08 E	0.36
6924.	2 15		N 49 E	93.	6922.62		75.32	53.28 N	53.34 E	0.68
7017.	2 30		N 51 E	93.	7015.54		79.16	55.76 N	56.29 E	0.28
7111.	2 15		N 47 E	94.	7109.46		83.06	58.31 N	59.22 E	0.32
7204.	2 0		N 57 E	93.	7202.39		86.49	60.43 N	61.94 E	0.48

TIME DATE
10:11:04 18-APR-84

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
7297.	2 0	N 54 E	93.	7295.34	89.70	62.27 N 64.61 E	0.11
7390.	2 0	N 48 E	93.	7388.28	92.94	64.31 N 67.13 E	0.23
7484.	2 0	N 58 E	94.	7482.22	96.20	66.29 N 69.75 E	0.37
7577.	2 0	N 53 E	93.	7575.17	99.42	68.12 N 72.42 E	0.19
7670.	2 0	N 47 E	93.	7668.11	102.66	70.21 N 74.91 E	0.23
7763.	2 15	N 51 E	93.	7761.04	106.10	72.47 N 77.51 E	0.31
7857.	2 30	N 46 E	94.	7854.96	110.00	75.05 N 80.43 E	0.35
7950.	2 45	N 54 E	93.	7947.87	114.25	77.79 N 83.69 E	0.48
8043.	3 30	N 53 E	93.	8040.73	119.29	80.80 N 87.76 E	0.81
8136.	3 30	N 52 E	93.	8133.55	124.95	84.26 N 92.27 E	0.07
8230.	3 30	N 45 E	94.	8227.78	120.88	88.06 N 96.56 E	0.45
8323.	3 45	N 46 E	93.	8320.19	136.56	92.18 N 100.76 E	0.28
8416.	4 0	N 46 E	93.	8412.99	132.32	96.55 N 105.28 E	0.27
8509.	4 0	N 44 E	93.	8505.75	145.32	101.13 N 109.86 E	0.15
8540.	4 0	N 44 E	31.	8536.68	151.48	102.69 N 111.37 E	0.00
8634.	4 15	N 40 E	94.	8630.43	158.21	107.71 N 115.89 E	0.41
8727.	4 15	N 48 E	93.	8723.18	165.08	112.67 N 120.67 E	0.64
8820.	4 0	N 51 E	93.	8815.94	171.77	117.01 N 125.76 E	0.36
8913.	3 45	N 47 E	93.	8908.72	178.05	121.13 N 130.50 E	0.40
9007.	3 30	N 54 E	94.	9002.54	183.98	124.91 N 135.08 E	0.54
9193.	2 45	N 54 E	186.	9188.26	194.06	130.87 N 143.29 E	0.40

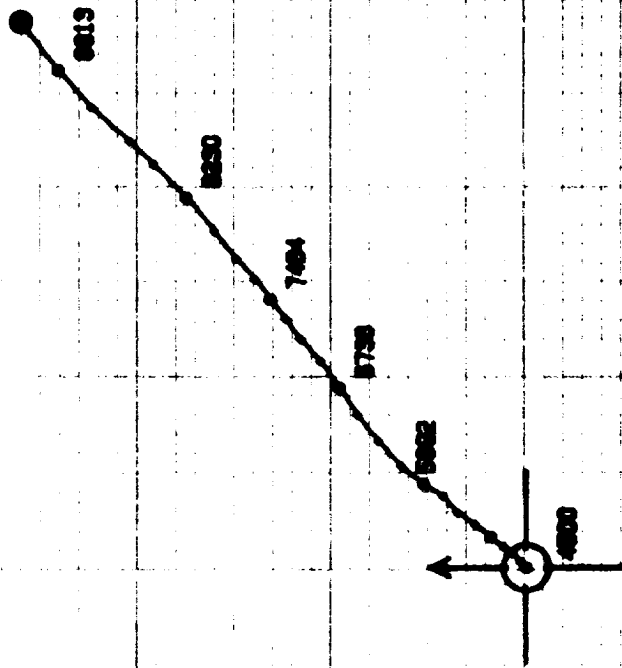
FINAL CLOSURE - DIRECTION: N 47 DEGS 36 MINS E
DISTANCE: 194.06 FEET

DYAD ASSOCIATES NO. 1
DYAD FIELD WELL 802-93
LEA COUNTY, NEW MEXICO
EASTMAN WALPSTECK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 50 FEET
DEPTH INDICATOR: MD

FINAL STATION:
DEPTH 9199 MD. 9100-25 TWO
BATHY 130.00 EAST 143.20
CLOSURE 194.05 N 47 35 36 E





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 April 13, 1984 thru April 14, 1984 conduct or supervise the taking of a Magnetic Mully Shot survey by the method of magnetic orientation from a depth of 4500 feet to 9193 feet, with recordings of inclination and direction being obtained at approximate intervals of 93 feet.

This survey was conducted at the request of DYAD Associates for their DYAD Field Well No. 1, Lea County 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

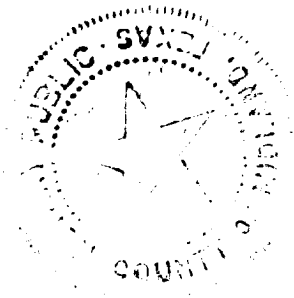
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

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 29th day of MAY, 1984

Ray E. Steink
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 O-10
Supersedes O-9
Effective 1-1-75

All locations are subject to field and aerial boundary survey of the Section

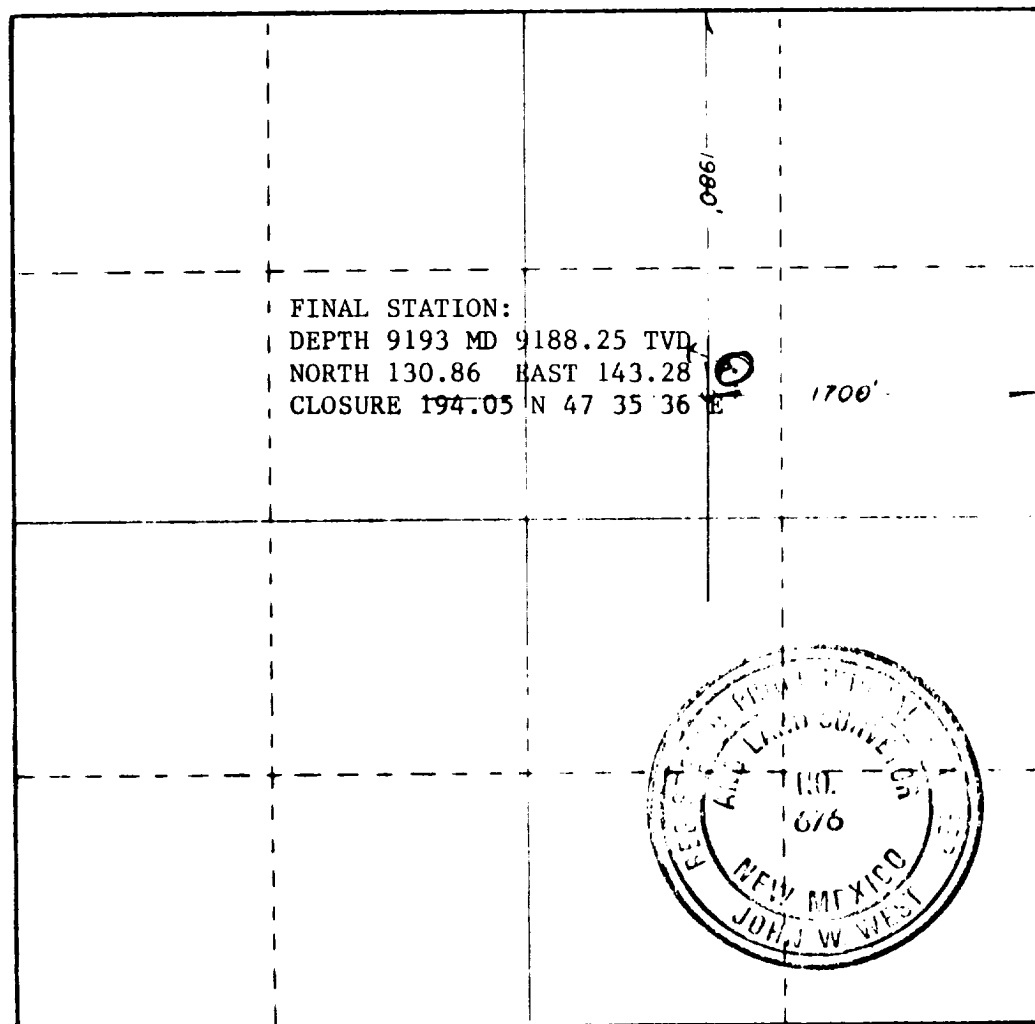
Operator DYAD ASSOCIATES			Section FIELD		Acres 1
Grid Letter G	Section 25	Township 12S	Range 37N	County LEA	
Aerial Photo Location of Well:					
1980	feet from the	NORTH	1700	feet from the	EAST
Ground Level Elev. 3873.2	Producing Formation		Producing Well Type		

- 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.

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 of Survey

3/8/84

Registered Professional Engineer
and Land Surveyor

John W. West
Certificate No. **JOHN W. WEST, 676**

RONALD J. EDSON, 579