

WRS COMPLETION REPORT

COMPLETIONS SEC 21 TWP 15S RGE 32E
PI# 30-T-0012 09/02/88 30-025-28263-0001 PAGE 1

NMEX LEA * 1650FNL 1980FEL SEC SW NE
STATE COUNTY FOOTAGE SPOT
SANTA FE ENERGY D X DO
OPERATOR WELL CLASS INIT FIN

2 UTP
WELL NO. LEASE NAME
4203GR ANDERSON RANCH N
OPER ELEV FIELD POOL AREA

API 30-025-28263-0001
LEASE TYPE NO. PERMIT OR WELL I.D. NO.
06/06/1988 06/09/1988 WO-UNIT OIL-WO
SPUD DATE COMP. DATE TYPE TOOL STATUS

12012 NOT RPTD
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 12505 PB 12012 OTD 12505 FM/TD MSSP
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM TD
LOCATION DESCRIPTION

27 MI S CAPROCK, NM

TUBING DATA

TBG 2 3/8 AT 9688

INITIAL POTENTIAL

IPF 113BOPD 144 MCFD 13/64CK 24HRS
WOLFCAMP PERF W/ 73/IT 9816- 9863 GROSS
PERF 9816- 9826 9845- 9851 9859- 9863
TP 500

PERFED 9816-9826 W/40 SHOTS; 9845-9851 W/24 SHOTS;
9859-9863 W/9 SHOTS
FCP PKR
NATURAL

PRODUCTION TEST DATA

MORROW PERF 12363-12381
PERF 12363-12381
BRPG @12012 12363-12381

DRILLING PROGRESS DETAILS

SANTA FE ENERGY
500 W ILLINOIS
MIDLAND, TX 79701

CONTINUED IC# 300257034388

COMPLETIONS SEC 21 TWP 15S RGE 32E
PI# 30-T-0012 09/02/88 30-025-28263-0001 PAGE 2

SANTA FE ENERGY
2 UTP

D X DO

DRILLING PROGRESS DETAILS

915-687-3551

OWWO: OLD INFO: FORMERLY SANTA FE ENERGY #2
UTP. ELEV 4203 GR. SPUD 8/4/83. 13 3/8 @
498 W/530 SX, 8 5/8 @ 4070 W/1850 SX, 5 1/2 @
12505 W/1300 SX. LOG TOPS: ATOKA 11611,
MORROW 12056, MISSISSIPPIAN 12465. OTD 12505.
PB 12448. COMP 10/23/83. IPF 113 BOPD, 10/64
CK. PROD ZONE: MORROW 12363-12381.

08/29
08/29

LOC/1988/
12505 TD, PB 12012
COMP 6/9/88, IPF 113 BO, 144 MCFGPD, 13/64
CK, GOR (NR), GTY (NR), FTP
500, FCP PKR
PROD ZONE - WOLFCAMP 9816-9863
FIRST REPORT & COMPLETION



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

Santa Fe Energy Corporation
COMPANY

State UTP Well No. 2
WELL NAME

Lea County, New Mexico
LOCATION

JOB NUMBER

WT0983-G0021
WT0983-S0020

TYPE OF SURVEY

Gyroscopic Multi Shot
Magnetic Multi Shot

DATE

9/17/83
9/17/83

SURVEY BY
Troy Oney

OFFICE
West Texas

SANTA FE ENERGY CORPORATION
STATE UTP WELL NO. 2
LEA COUNTY, NEW MEXICO BDI-396
SEP. 17, 1983

EASTMAN WHIPSTOCK INC.
GYROSCOPIC MULTISHOT SURVEY WT0983-G0021
SURVEYOR: TROY ONEY (0-4000')
MAGNETIC MULTISHOT SURVEY WT0983-S0020
SURVEYOR: TROY ONEY (4000'-12493')



RADIUS OF CURVATURE METHOD

MEASURED	DRIFT	DRIFT	COURSE	TRUE	RECTANGULAR	DOGLEG
DEPTH	ANGLE	DIRECTION	LENGTH	VERTICAL	CORRECTED	SEVERITY
FEET	D M	D	FEET	DEPTH	FEET	DG/100FT
0.	0 0	0	0.	0.00	0.00	0.00
100.	0 15	N 68 W	100.	100.00	0.08 N	0.25
200.	0 30	N 26 W	100.	200.00	0.52 N	0.36
300.	0 30	N 32 W	100.	299.99	1.28 N	0.05
400.	0 30	N 36 W	100.	399.99	2.00 N	0.03
500.	0 15	N 39 W	100.	499.99	2.52 N	0.25
600.	0 30	N 18 W	100.	599.99	3.10 N	0.28
700.	0 30	N 32 W	100.	699.98	3.89 N	0.12
800.	0 45	N 45 W	100.	799.98	4.74 N	0.29
900.	0 30	N 29 W	100.	899.97	5.61 N	0.30
1000.	0 30	N 49 W	100.	999.97	6.45 N	0.17
1100.	0 30	N 62 W	100.	1099.96	6.45 N	0.11
1200.	0 30	N 68 W	100.	1199.95	6.45 N	0.25
1300.	0 30	S 71 W	100.	1299.95	6.82 N	0.16
1400.	0 15	S 58 W	100.	1399.95	6.54 N	0.26
1500.	0 30	S 80 W	100.	1499.95	6.31 N	0.28
1600.	0 15	S 71 W	100.	1599.95	6.15 N	0.26
1700.	0 15	S 75 W	100.	1699.95	6.02 N	0.02
1800.	0 30	N 58 W	100.	1799.94	6.11 N	0.38
1900.	0 30	S 86 W	100.	1899.94	6.32 N	0.31
2000.	0 30	S 77 W	100.	1999.94	6.19 N	0.08
2100.	0 30	S 51 W	100.	2099.93	5.81 N	0.22
2200.	0 30	S 68 E	100.	2199.93	5.10 N	0.86
2300.	1 0	N 65 E	100.	2299.92	5.13 N	0.75
2400.	1 15	N 65 E	100.	2399.90	5.96 N	0.25
2500.	1 0	N 61 E	100.	2499.88	6.85 N	0.26
2600.	1 0	N 76 E	100.	2599.87	7.49 N	0.26
2700.	1 0	S 79 E	100.	2699.85	7.53 N	0.43
2800.	0 30	N 80 E	100.	2799.84	7.52 N	0.56
2900.	0 30	S 52 E	100.	2899.84	7.32 N	0.41

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R		DOGLEG SEVERITY DG/100FT
					C O O R D I N A T E S	FEET	
3000.	0 30	S 26 E	100.	2999.83	6.64 N	1.38 W	0.22
3100.	0 30	S 58 W	100.	3099.83	5.88 N	1.60 W	0.67
3200.	0 15	S 30 E	100.	3199.83	5.30 N	1.74 W	0.55
3300.	0 30	S 20 E	100.	3299.83	4.71 N	1.46 W	0.26
3400.	0 30	S 39 E	100.	3399.82	3.95 N	1.04 W	0.17
3500.	0 30	S 14 E	100.	3499.82	3.18 N	0.65 W	0.22
3600.	0 45	S 32 E	100.	3599.81	2.18 N	0.23 W	0.31
3700.	0 30	S 41 E	100.	3699.81	1.30 N	0.42 E	0.27
3800.	0 15	S 19 E	100.	3799.80	0.74 N	0.75 E	0.28
3900.	0 15	N 1 E	100.	3899.80	0.79 N	1.05 E	0.49
4000.	1 0	N 3 E	100.	3999.80	1.09 E	1.09 E	0.75
4100.	1 30	N 11 W	100.	4099.77	0.94 E	0.94 E	0.58
4200.	1 15	N 23 W	100.	4199.75	0.24 E	0.24 E	0.38
4300.	1 15	N 19 W	100.	4299.72	0.54 W	0.54 W	0.09
4400.	1 0	N 14 W	100.	4399.70	10.26 N	1.10 W	0.27
4500.	1 0	N 20 W	100.	4499.69	11.93 N	1.61 W	0.10
4600.	0 30	N 6 E	100.	4599.68	13.21 N	1.77 W	0.59
4700.	0 30	N 12 E	100.	4699.67	14.07 N	1.63 W	0.05
4800.	0 30	N 17 W	100.	4799.67	14.94 N	1.67 W	0.25
4900.	0 15	N 19 E	100.	4899.67	15.58 N	1.66 W	0.33
5000.	0 45	N 22 W	100.	4999.66	16.44 N	1.68 W	0.58
5100.	0 45	N 4 E	100.	5099.65	17.72 N	1.88 W	0.34
5200.	0 45	N 16 W	100.	5199.65	19.01 N	2.02 W	0.26
5300.	0 45	N 37 W	100.	5299.64	20.18 N	2.60 W	0.27
5400.	1 0	N 26 W	100.	5399.62	21.48 N	3.40 W	0.30
5500.	1 0	N 59 W	100.	5499.61	22.75 N	4.56 W	0.57
5600.	1 0	N 72 W	100.	5599.59	23.47 N	6.14 W	0.23
5700.	1 0	N 77 W	100.	5699.58	23.93 N	7.83 W	0.09
5800.	1 0	N 90 W	100.	5799.56	24.13 N	9.56 W	0.23
5900.	1 0	S 75 W	100.	5899.55	23.90 N	11.28 W	0.26

MEASURED	DRIFT	DRIFT	COURSE	TRUE	RECTANGULAR	DOGLEG
DEPTH	ANGLE	DIRECTION	LENGTH	VERTICAL	COORDINATES	SEVERITY
FEET	D M	D	FEET	DEPTH	FEET	DG/100FT
6000.	0 45	S 81 W	100.	5999.54	23.59 N	12.77 W 0.27
6100.	0 30	S 61 W	100.	6099.53	23.23 N	13.80 W 0.33
6200.	0 30	S 66 W	100.	6199.53	22.85 N	14.58 W 0.04
6300.	0 45	N 71 W	100.	6299.52	22.80 N	15.64 W 0.51
6400.	0 45	S 88 W	100.	6399.51	22.99 N	16.93 W 0.27
6500.	0 15	N 85 W	100.	6499.51	23.01 N	17.80 W 0.50
6600.	0 15	S 83 W	100.	6599.51	23.01 N	18.24 W 0.05
6700.	0 15	S 74 W	100.	6699.51	22.92 N	18.67 W 0.04
6800.	0 15	N 59 W	100.	6799.51	22.97 N	19.09 W 0.20
6900.	0 15	N 36 W	100.	6899.50	22.90 N	19.48 W 0.34
7000.	0 0	0	100.	6999.50	22.90 N	19.60 W 0.25
7100.	0 0	0	100.	7099.50	22.90 N	19.60 W 0.00
7200.	0 15	N 65 W	100.	7199.50	22.90 N	19.80 W 0.25
7300.	0 0	0	100.	7299.50	22.90 N	20.00 W 0.25
7400.	0 15	N 69 E	100.	7399.50	22.98 N	19.79 W 0.25
7500.	0 15	N 0 E	100.	7499.50	23.32 N	19.56 W 0.28
7600.	0 30	N 71 E	100.	7599.50	23.82 N	19.20 W 0.48
7700.	1 15	S 76 E	100.	7699.49	23.89 N	17.70 W 0.87
7800.	1 15	S 72 E	100.	7799.46	23.28 N	15.60 W 0.09
7900.	1 45	S 75 E	100.	7899.43	22.54 N	13.09 W 0.51
8000.	1 30	S 80 E	100.	7999.39	21.93 N	10.33 W 0.29
8100.	2 0	S 70 E	100.	8099.34	21.14 N	7.38 W 0.58
8200.	1 30	S 49 E	100.	8199.29	19.60 N	4.76 W 0.81
8300.	1 30	S 33 E	100.	8299.26	17.63 N	3.05 W 0.42
8400.	1 30	S 53 E	100.	8399.23	15.72 N	1.27 W 0.52
8500.	3 0	S 79 E	100.	8499.15	14.14 N	2.28 E 1.78
8600.	4 0	S 72 E	100.	8598.96	12.61 N	8.19 E 1.09
8700.	3 45	S 70 E	100.	8698.73	10.41 N	14.58 E 0.28
8800.	3 30	S 67 E	100.	8798.53	8.09 N	20.46 E 0.31
8900.	3 0	S 66 E	100.	8898.37	5.83 N	25.66 E 0.50

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH 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
9000.	2 30	S 66 E	100.	8998.25	3.88 N	30.04 E 0.50
9050.	2 15	S 70 E	50.	9048.21	3.11 N	31.96 E 0.60
9100.	2 15	S 71 E	50.	9098.17	2.45 N	33.81 E 0.08
9150.	2 15	S 71 E	50.	9148.13	1.81 N	35.67 E 0.00
9200.	1 45	S 70 E	50.	9198.10	1.23 N	37.32 E 1.00
9250.	1 45	S 70 E	50.	9248.08	0.71 N	38.75 E 0.00
9300.	1 30	S 74 E	50.	9298.06	0.27 N	40.10 E 0.55
9350.	1 30	S 70 E	50.	9348.04	0.14 S	41.34 E 0.21
9400.	1 15	S 77 E	50.	9398.03	0.48 S	42.49 E 0.60
9450.	1 30	72 E	50.	9448.01	0.80 S	43.65 E 0.55
9500.	1 30	80 E	50.	9498.00	1.1 S	44.92 E 0.42
9550.	1 15	70 E	50.	9547.98	1.1 S	46.07 E 0.69
9600.	1 0	66 E	50.	9597.96	1.1 S	46.98 E 0.52
9650.	1 0	70 E	50.	9647.96	2.12 S	47.79 E 0.14
9700.	1 0	S 64 E	50.	9697.96	2.46 S	48.60 E 0.21
9750.	0 45	S 60 E	50.	9747.95	2.82 S	49.27 E 0.51
9800.	1 0	S 66 E	50.	9797.94	3.16 S	49.95 E 0.53
9850.	0 45	S 62 E	50.	9847.94	3.50 S	50.63 E 0.51
9900.	0 45	S 60 E	50.	9897.93	3.81 S	51.21 E 0.05
9950.	0 45	S 50 E	50.	9947.93	4.19 S	51.74 E 0.26
10000.	0 45	S 63 E	50.	9997.93	4.55 S	52.29 E 0.34
10050.	0 15	S 62 E	50.	10047.92	4.75 S	52.67 E 1.00
10100.	0 30	S 65 E	50.	10097.92	4.90 S	52.97 E 0.50
10150.	1 15	S 87 E	50.	10147.92	5.08 S	53.70 E 1.62
10200.	1 15	N 87 E	50.	10197.91	5.08 S	54.79 E 0.26
10250.	0 15	S 86 E	50.	10247.90	5.09 S	55.45 E 2.00
10300.	0 30	S 85 E	50.	10297.90	5.11 S	55.77 E 0.50
10350.	1 0	N 86 E	50.	10347.89	5.12 S	56.43 E 1.02
10400.	0 30	N 44 E	50.	10397.89	4.85 S	57.01 E 1.42
10450.	0 30	N 11 W	50.	10447.89	4.45 S	57.13 E 0.92

Eastman
Whipstock

MEASURED	DRIFT	DRIFT	COURSE	TRUE	RECTANGULAR	DOGLEG
DEPTH	ANGLE	DIRECTION	LENGTH	VERTICAL	COORDINATES	SEVERITY
FEET	D M	D	FEET	DEPTH	FEET	DG/100FT
10550.	0 45	N 40 W	100.	10547.88	3.47 S	56.66 E 0.40
10600.	0 30	N 42 W	50.	10597.88	3.06 S	56.30 E 0.50
10650.	0 30	N 42 W	50.	10647.88	2.74 S	56.01 E 0.00
10700.	0 30	N 29 W	50.	10697.88	2.38 S	55.76 E 0.23
10750.	0 30	N 14 W	50.	10747.87	1.98 S	55.60 E 0.26
10800.	0 30	N 25 W	50.	10797.87	1.57 S	55.46 E 0.19
10850.	1 0	N 55 E	50.	10847.87	0.99 S	55.61 E 2.07
10900.	0 45	N 56 E	50.	10897.86	0.55 S	56.24 E 0.50
10950.	1 30	N 51 E	50.	10947.85	0.03 N	57.03 E 1.51
11000.	1 0	S 66 E	50.	10997.84	0.60 N	57.96 E 1.19
11050.	0 30	N 74 E	50.	11047.83	0.00 N	58.57 E 1.02
11100.	0 30	N 84 E	50.	11097.83	0.00 N	59.00 E 0.17
11150.	0 45	S 48 E	50.	11147.83	0.00 N	59.53 E 0.76
11200.	1 15	S 74 E	50.	11197.82	0.56 N	60.36 E 1.01
11250.	1 30	S 62 E	50.	11247.81	0.11 N	61.47 E 0.76
11300.	1 30	S 53 E	50.	11297.79	0.59 S	62.57 E 0.47
11350.	1 30	S 52 E	50.	11347.77	1.39 S	63.61 E 0.05
11400.	1 30	S 52 E	50.	11397.75	2.20 S	64.64 E 0.00
11450.	1 0	S 45 E	50.	11447.74	2.92 S	65.46 E 1.04
11500.	1 0	S 48 E	50.	11497.73	3.52 S	66.09 E 0.10
11550.	1 0	S 35 E	50.	11547.73	4.17 S	66.67 E 0.45
11600.	1 15	S 49 E	50.	11597.72	4.90 S	67.32 E 0.74
11650.	1 0	S 37 E	50.	11647.71	5.62 S	67.99 E 0.68
11700.	0 45	S 32 E	50.	11697.70	6.24 S	68.43 E 0.52
11750.	1 0	S 27 E	50.	11747.70	6.91 S	68.80 E 0.52
11800.	1 0	S 16 E	50.	11797.69	7.72 S	69.12 E 0.38
11850.	1 15	S 10 E	50.	11847.68	8.68 S	69.34 E 0.55
11900.	1 15	S 2 W	50.	11897.67	9.76 S	69.42 E 0.52
11950.	1 0	S 1 W	50.	11947.66	10.74 S	69.39 E 0.50
12000.	1 15	S 5 E	50.	11997.65	11.72 S	69.43 E 0.55

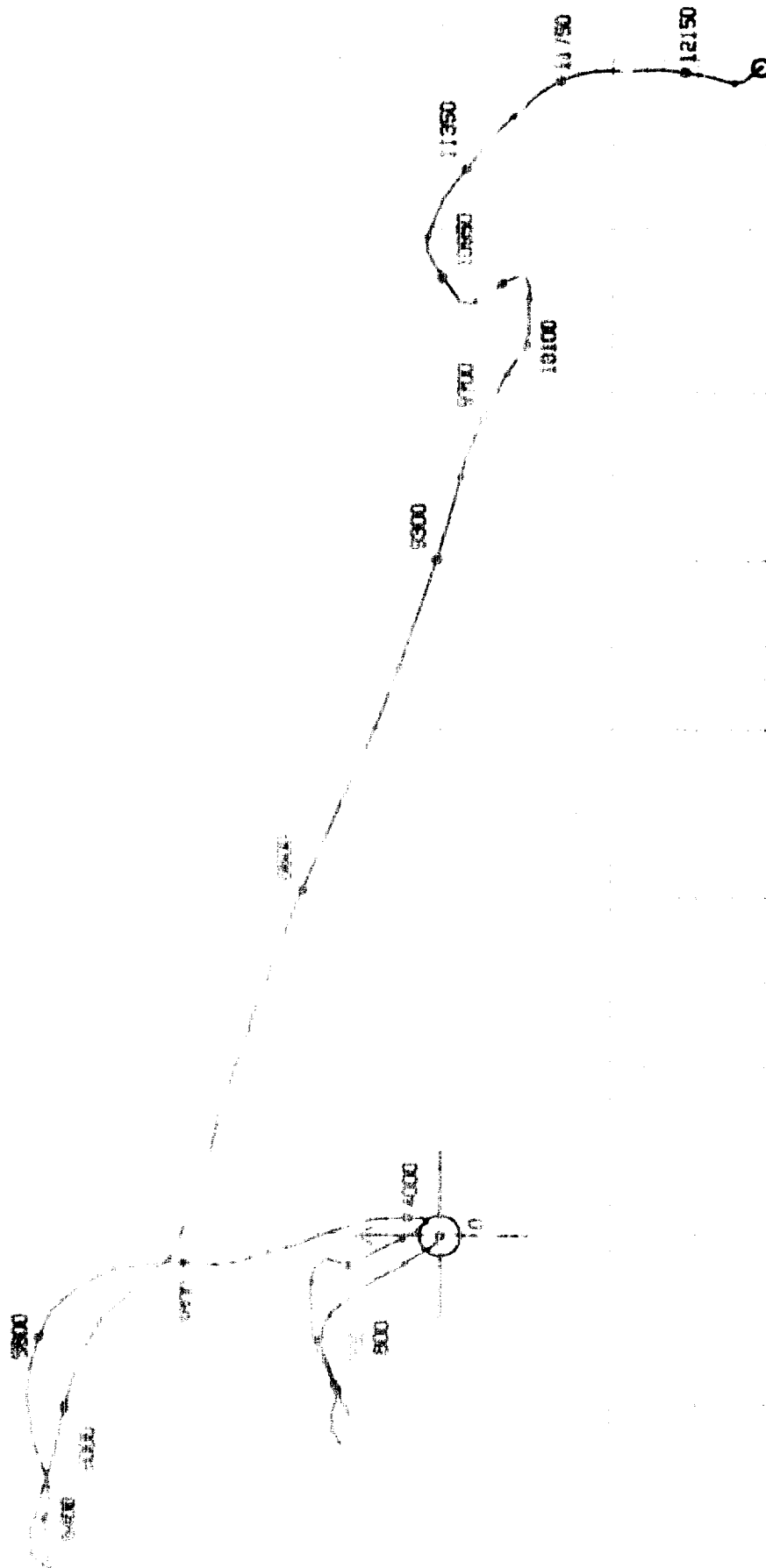
MEASURED	DRIFT	DRIFT	DRIFT	COURSE	TRUE	RECTANGULAR	DOGLEG
DEPTH	ANGLE	DIRECTION	D	LENGTH	VERTICAL	CORRECT	SEVERITY
FEET	D M	D		FEET	DEPTH	FEET	DG/100FT
12050.	1 0	S 1 E		50.	12047.64	12.70 S	69.48 E 0.52
12100.	0 45	S 10 W		50.	12097.63	13.46 S	69.42 E 0.60
12150.	1 0	S 7 W		50.	12147.63	14.22 S	69.30 E 0.51
12200.	1 0	S 8 W		50.	12197.62	15.08 S	69.19 E 0.03
12250.	0 45	S 17 W		50.	12247.61	15.83 S	69.03 E 0.57
12300.	0 45	S 20 W		50.	12297.61	16.45 S	68.82 E 0.08
12350.	0 45	S 7 W		50.	12347.60	17.08 S	68.67 E 0.34
12400.	0 30	S 36 E		50.	12397.60	17.60 S	68.80 E 1.03
12450.	1 0	S 36 E		50.	12447.60	18.13 S	69.18 E 1.00
12493.	0 45	S 45 E		43	12490.59	18.63 S	69.61 E 0.66

Eastman
Whipstock

FINAL CLOSURE - DIRECTION S 75 DEG W
DISTANCE: 72.06 FEET

SANTA FE ENERGY
STATE UTP WELL NO. 2
LEA COUNTY, NEW MEXICO 801-396
EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION
SCALE 1 IN. = 10 FEET
DEPTH INDICATOR: MD



FINAL STATION:
DEPTH 12493 MD, 12490-59 TVD
SOUTH 18.62 EAST 69.60
CLOSURE 72-05 S 75 1 10 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 9-17, 19 83 thru 9-17, 19 83 conduct or supervise the taking of a Gyroscopic Multi Shot survey by the method of magnetic orientation from a depth of 0 feet to 4000 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of Santa Fe Energy Corporation for their State UTP Well No. 2, 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

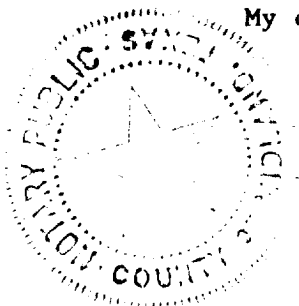
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

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 26th day of Sept, 19 83

Ray E. Steirke
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 9-17, 19 83 thru 9-17, 19 83 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 4000 feet to 12493 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of Santa Fe Energy Corporation for their State UTP Well No. 2, 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

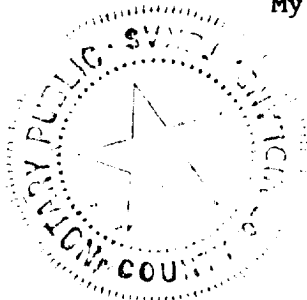
The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

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 26TH day of SEPT, 19 83

Ray C. Steinke
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

Lessor SANTA FE ENERGY CORP			Lessee STATE UTP			Well No. NO 2
Section G	Section 21	Township 15 SOUTH	Range 32 EAST	County LEA		

Well Location of Well:

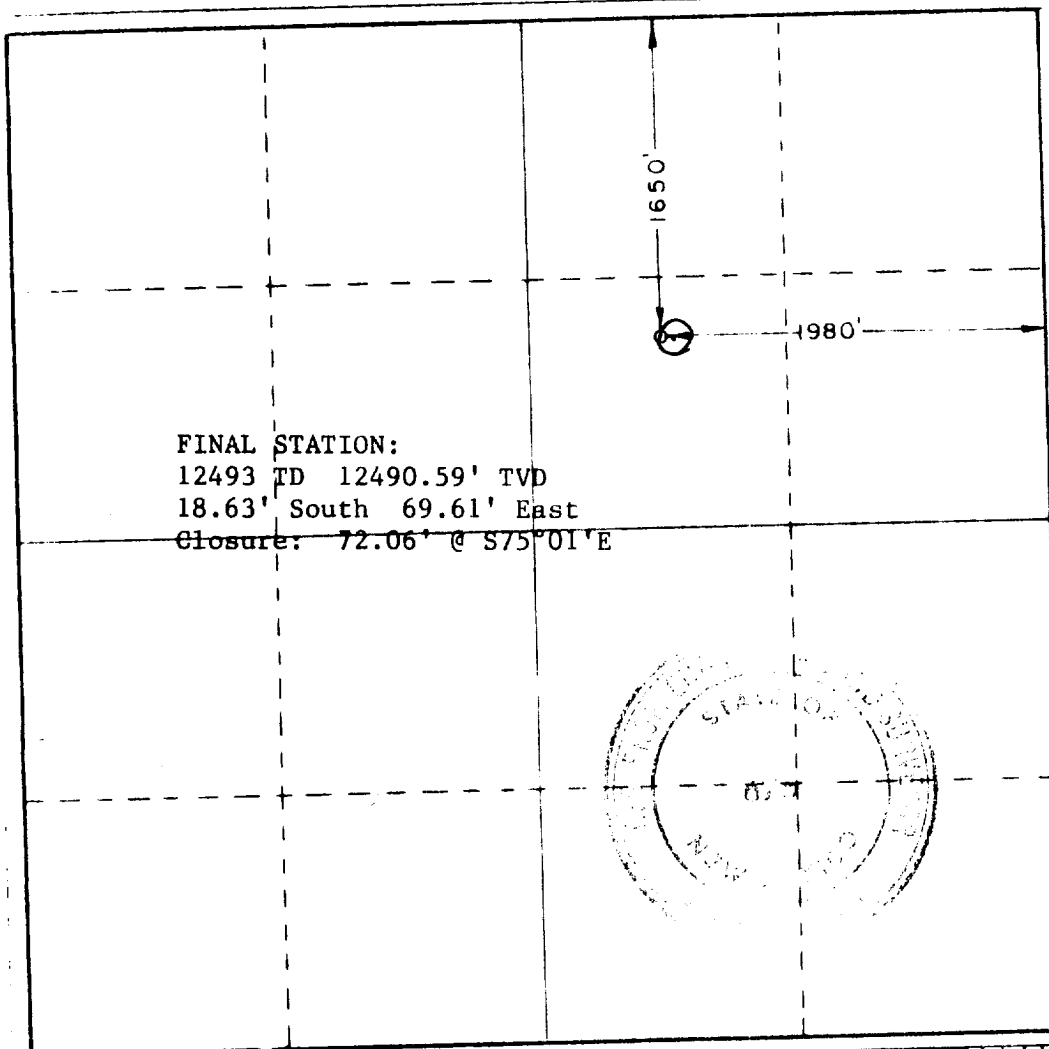
1650	feet from the	NORTH	line and	1980	feet from the	EAST	line
Initial Elev. 4302.8	Producing Formation			Foot		Dedicated Acreage: Acres	

- 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 _____

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.

JUNE 30, 1983

Date Surveyed _____

Registered Professional Engineer
and/or Land Surveyor

[Signature]

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

