



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

CONOCO INC.
COMPANY

ANDERSON RANCH UNIT WELL NO. 19
WELL NAME

LEA COUNTY, NEW MEXICO
LOCATION

JOB NUMBER

WT0185-A0176

TYPE OF SURVEY

SEEKER I GYROSCOPIC SURVEY

DATE

20-JAN-85

SURVEY BY
TROY ONEY

OFFICE
WEST TEXAS

RECEIVED
MAR 27 1985
OFFICE
HONORARY CLERK

CONOCO INC.

ANDERSON RANCH UNIT WELL NO. 19
LEA COUNTY, NEW MEXICO BD2-172

DATE: JAN. 19, 1985

LATITUDE: 32.917

SLEW/SETTLE: 14/11

TOOL: EW0222

DISTRICT: WEST TEXAS

SURVEYOR: GARY DESPAIN AND TROY ONEY

CO. REP: JAMES ANTHONY

HEAT SHIELD: 2" HALF FLASK

EASTMAN WHIPSTOCK, INC.

SEEKER 1 GYROSCOPIC SURVEY

WT0185-A0176

SURVEYOR: GARY DESPAIN, TROY ONEY (0'-4080')



RADIUS OF CURVATURE METHOD

RECEIVED
MAR 27 1985
O.S.B.
Housing Office

CONOCO INC.

ANDERSON RANCH UNIT WELL NO. 19

-EA COUNTY, NEW MEXICO BD2-172

COMPUTATION PAGE NO. 1

TIME DATE

49:13:05 18-JAN-83

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	SEVERITY DG/100FT
0.	0 0	0 0	0.	0.00	0.00	0.00
100.	0 9	S 56 39 W	100.	100.00	0.07 S	0.11 W
200.	0 11	N 59 13 W	100.	200.00	0.08 S	0.42 W
300.	0 1	N 10 37 E	100.	300.00	0.09 N	0.50 W
400.	0 11	S 55 8 W	100.	400.00	0.17 N	0.62 W
500.	0 26	S 71 57 W	100.	500.00	0.07 S	1.12 W
600.	0 32	N 86 42 W	100.	599.99	0.18 S	1.98 W
700.	0 35	N 78 47 W	100.	699.99	0.06 S	2.95 W
800.	0 22	N 78 29 W	100.	799.99	0.11 N	3.78 W
900.	0 30	N 83 35 W	100.	899.98	0.17 N	4.54 W
1000.	0 23	N 83 34 W	100.	999.98	0.31	5.31 W
1100.	0 21	N 86 23 W	100.	1099.97	0.53	5.93 W
1200.	0 22	N 86 23 W	100.	1199.97	0.75	6.55 W
1300.	0 26	N 71 30 W	100.	1299.97	0.94 N	7.22 W
1400.	0 20	N 53 55 W	100.	1399.97	1.26 N	7.84 W
1500.	0 23	N 66 29 W	100.	1499.97	1.58 N	8.41 W
1600.	0 22	N 63 0 W	100.	1599.97	1.87 N	9.01 W
1700.	0 31	N 69 36 W	100.	1699.96	2.19 N	9.74 W
1800.	0 25	N 80 16 W	100.	1799.96	2.40 N	10.55 W
1900.	0 17	N 62 42 W	100.	1899.96	2.60 N	11.14 W
2000.	0 18	N 65 13 W	100.	1999.96	2.85 N	11.64 W
2100.	0 16	N 42 37 W	100.	2099.95	3.15 N	12.06 W
2200.	0 15	N 38 45 W	100.	2199.95	3.51 N	12.36 W
2300.	0 10	N 20 58 E	100.	2299.95	3.87 N	12.42 W
2400.	0 13	N 28 56 E	100.	2399.95	4.17 N	12.28 W
2500.	0 18	N 64 40 E	100.	2499.95	4.48 N	11.95 W
2600.	0 15	N 55 56 E	100.	2599.95	4.72 N	11.53 W
2700.	0 21	N 48 6 E	100.	2699.95	5.06 N	11.09 W
2800.	0 17	N 59 3 E	100.	2799.95	5.40 N	10.63 W
2900.	0 10	N 36 51 E	100.	2899.95	5.67 N	10.33 W

RECEIVED
MAR 27 1985
O.C.D.
HUMAN SERVICES

CONOCO INC.

ANDERSON RANCH UNIT WELL NO. 19

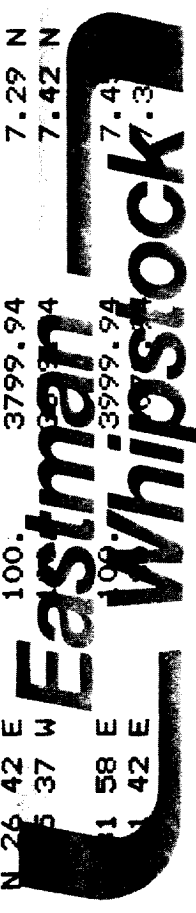
LEA COUNTY, NEW MEXICO BD2-172

COMPUTATION PAGE NO. 2

TIME DATE

49:13:05 18-JAN-85

MEASURED DEPTH FEET	DRIFT		DIRECTION		COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES		DOBLE SEVERITY DG/100FT
	ANGLE D M	D M	D M	D M			FEET	FEET	
3000.	0 16		N 19	5 E	100.	2999.94	6.00 N	10.16 W	0.12
3100.	0 2		N 35	48 E	100.	3099.94	6.24 N	10.03 W	0.22
3200.	0 8		N 20	51 E	100.	3199.94	6.39 N	9.95 W	0.10
3300.	0 5		N 12	59 W	100.	3299.94	6.58 N	9.94 W	0.09
3400.	0 5		N 32	8 E	100.	3399.94	6.72 N	9.92 W	0.07
3500.	0 3		N 31	46 E	100.	3499.94	6.81 N	9.86 W	0.03
3600.	0 5		N 12	29 E	100.	3599.94	6.94 N	9.81 W	0.04
3700.	0 12		N 89	31 W	100.	3699.94	7.11 N	9.95 W	0.24
3800.	0 5		N 26	42 E	100.	3799.94	7.29 N	10.06 W	0.25
3900.	0 4		N 5	37 W	100.	3899.94	7.42 N	10.03 W	0.05
4000.	0 5		N 1	58 E	100.	3999.94	7.4	9.93 W	0.17
4080.	0 11		N 1	42 E	100.	4079.94	7.3	9.78 W	0.14



A PETROLANE COMPANY

FINAL CLOSURE - DIRECTION:

N 53 DEGS 12 MINS W

DISTANCE:

12.22 FEET

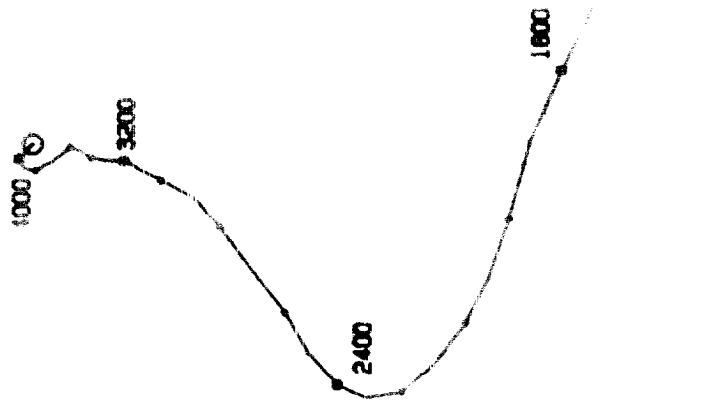
RECEIVED
MAR 27 1985
OFFICE
HONORARY

CONOCO INC.
ANDERSON RANCH UNIT WELL NO. 19
LEA COUNTY, NEW MEXICO
B02-172

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 2 FEET
DEPTH INDICATOR: MD



FINAL STATION:
DEPTH 4080 MD. 4079.94 TVD
NORTH 7.31 WEST 9.78
CLOSURE 12.21 N 53 11 59 H

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O.F.D.
Housing Office



P.O. Box 6341/Midland, Texas 79711-0341/(915) 563-0511

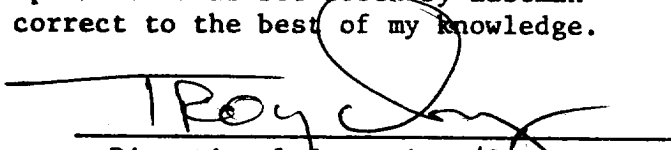
SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Troy Oney, in the employ of Eastman Whipstock, Inc., did on the days of 1-19, 1985 thru 1-20, 1985 conduct or supervise the taking of a Seeker 1 Gyroscopic survey by the method of magnetic orientation from a depth of 0 feet to 4080 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of Conoco, Inc. for their Anderson Ranch Unit Well No. 19 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 confirms to principles and procedures set forth by Eastman Whipstock, Inc.



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 information is a true statement of facts therein recited.

Subscribed and sworn to before me on this 25TH day of MARCH, 1985.


Notary Public in and for the
County of Midland, Texas



ROY L. STEINKE
Notary Public, State of Texas
My Commission Expires July 8, 1985

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MAR 27 1985
2-5-85
Housing Office

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

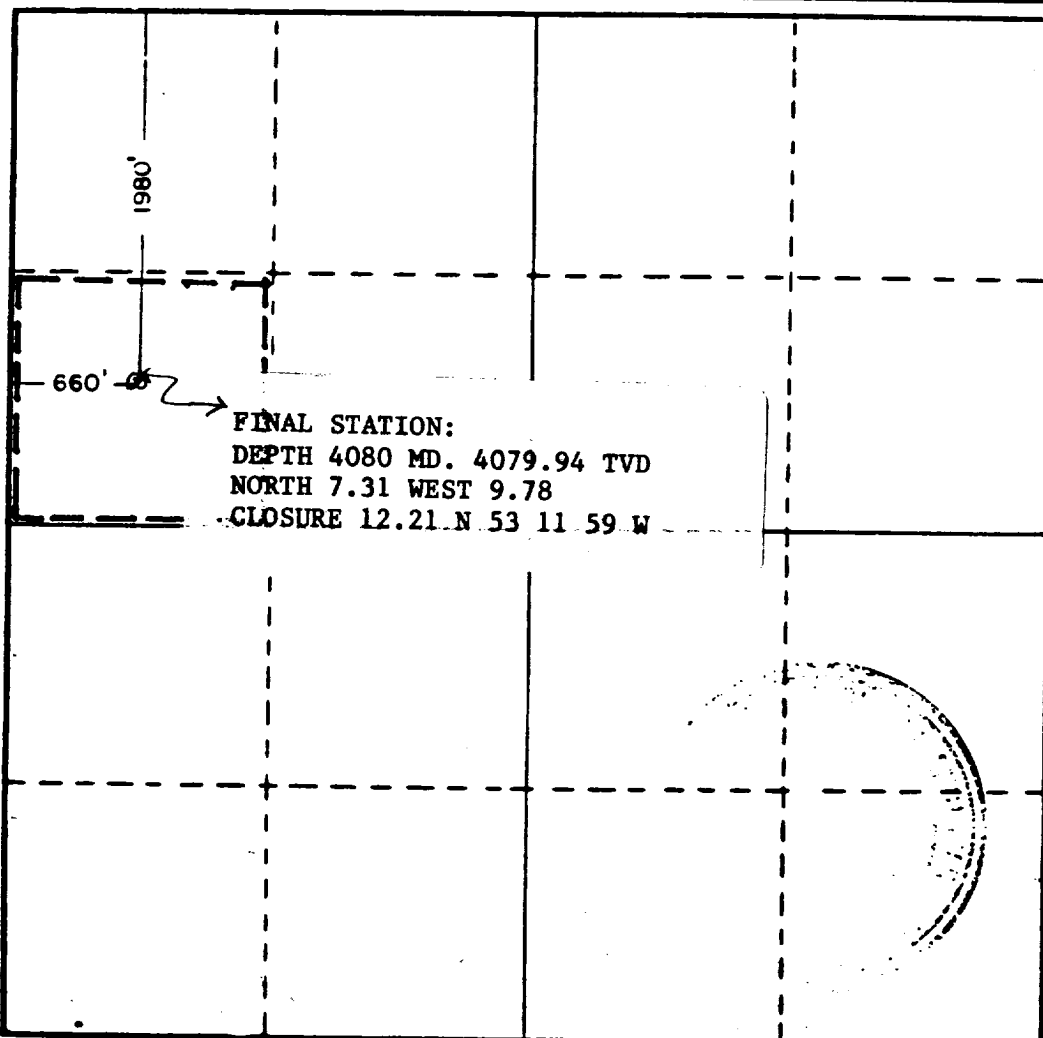
Operator CONOCO, INC.			Lease ANDERSON RANCH UNIT		Well No. 19
Unit Letter E	Section 11	Township 16S	Range 32E	County LEA	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 660 feet from the WEST line and 1980 feet from the NORTH line </div>					
Ground Level Elev. 4302.0	Producing Formation Devonian	Pool Anderson Ranch Devonian	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 *Wm A. Butterfield*
 Position Administrative Supervisor

Company Conoco Inc.

Date 10-1-84

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 7/15/84

Registered Professional Engineer and/or Land Surveyor

John W. West

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MAR 27 1985
H. C. A.
H. C. A. Office