



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

YATES PETROLEUM
COMPANY

VULTURE VP STATE WELL NO. 1
WELL NAME

LEA COUNTY, NEW MEXICO
LOCATION

JOB NUMBER
WT1182-S0074

TYPE OF SURVEY
INCLINATION SURVEY

DATE
11/11/62

SURVEY BY
GARY DESPAIN

OFFICE
WEST TEXAS

YATES PETROLEUM

VULTURE VP STATE WELL NO. 1

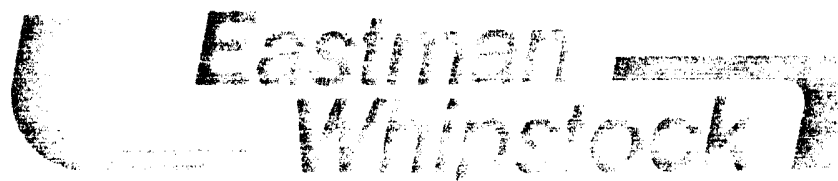
LEA COUNTY, NEW MEXICO BD1-227

NOVEMBER 11, 1982

EASTMAN WHIPSTOCK INC.

INCLINATION SURVEY WT1182-S0074

SURVEYOR: GARY DESPAIN (0-3800')



RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

YATES PETROLEUM
VULTURE VP STATE WELL NO. 1
LEA COUNTY, NEW MEXICO BD1-227

COMPUTATION PAGE NO. 1
TIME DATE
14:47:35 13-DEC-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
0.	0 0	0	0.	0.00	0.00 0.00	0.00
100.	0 15	N 0 E	100.	100.00	0.22 N 0.00	0.25
200.	0 15	N 0 E	100.	200.00	0.65 N 0.00	0.00
300.	0 0	0	100.	300.00	0.87 N 0.00	0.25
400.	0 30	N 0 E	100.	400.00	1.31 N 0.00	0.50
500.	0 15	N 0 E	100.	499.99	1.96 N 0.00	0.25
600.	0 15	N 0 E	100.	599.99	2.40 N 0.00	0.00
700.	0 15	N 0 E	100.	699.99	2.84 N 0.00	0.00
800.	0 15	N 0 E	100.	799.99	3.27 N 0.00	0.00
900.	0 15	N 0 E	100.	899.99	3.71 N 0.00	0.00
1000.	0 15	N 0 E	100.	999.99	4.14 N 0.00	0.00
1100.	0 15	N 0 E	100.	1099.99	4.58 N 0.00	0.00
1200.	0 15	N 0 E	100.	1199.99	5.02 N 0.00	0.00
1300.	0 15	N 0 E	100.	1299.99	5.45 N 0.00	0.00
1400.	0 30	N 0 E	100.	1399.99	6.11 N 0.00	0.25
1500.	0 30	N 0 E	100.	1499.98	6.98 N 0.00	0.00
1600.	0 30	N 0 E	100.	1599.98	7.85 N 0.00	0.00
1700.	0 45	N 0 E	100.	1699.97	8.94 N 0.00	0.25
1800.	0 45	N 0 E	100.	1799.96	10.25 N 0.00	0.00
1900.	0 45	N 0 E	100.	1899.95	11.56 N 0.00	0.00
2000.	0 30	N 0 E	100.	1999.95	12.65 N 0.00	0.25
2100.	0 30	N 0 E	100.	2099.94	13.53 N 0.00	0.00
2200.	0 15	N 0 E	100.	2199.94	14.18 N 0.00	0.25
2300.	0 30	N 0 E	100.	2299.94	14.84 N 0.00	0.25
2400.	1 15	N 0 E	100.	2399.93	16.36 N 0.00	0.75
2500.	1 0	N 0 E	100.	2499.91	18.33 N 0.00	0.25
2600.	1 15	N 0 E	100.	2599.89	20.29 N 0.00	0.25
2700.	1 0	N 0 E	100.	2699.87	22.26 N 0.00	0.25
2800.	0 45	N 0 E	100.	2799.86	23.78 N 0.00	0.25
2900.	1 15	N 0 E	100.	2899.84	25.53 N 0.00	0.50

YATES PETROLEUM
VULTURE VP STATE WELL NO. 1
LEA COUNTY, NEW MEXICO BD1-227

COMPUTATION PAGE NO. 2
TIME DATE
14:47:35 13-DEC-82

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
3000.	1 45	N 0 E	100.	2999.81	28.14 N 0.00	0.50
3100.	2 15	N 0 E	100.	3099.75	31.64 N 0.00	0.50
3200.	3 0	N 0 E	100.	3199.64	36.22 N 0.00	0.75
3300.	3 30	N 0 E	100.	3299.48	41.88 N 0.00	0.50
3400.	4 0	N 0 E	100.	3399.27	48.43 N 0.00	0.50
3500.	4 45	N 0 E	100.	3498.97	56.05 N 0.00	0.75
3600.	5 0	N 0 E	100.	3598.61	64.55 N 0.00	0.25
3700.	5 0	N 0 E	100.	3698.23	73.27 N 0.00	0.00
3800.	5 15	N 0 E	100.	3797.83	82.20 N 0.00	0.25

FINAL CLOSURE - DIRECTION: N 0 DEGS 0 MIN E
DISTANCE: 82.20 FEET

WYOMING PETROLEUM
VULFURE V# STATE WELL NO. 1
LEA COUNTY, NEW MEXICO BDI-227

BRITISH MINISTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 10 FEET
DEPTH INDICATOR NO

FINAL STATION:
DEPTH 3000 NO. 9797.88 TWO
NORTH 82.20 EAST 0.00
CLOSURE 82.20 N 0 0 0 E



3200

2400

1800

0





P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, YATES PETROLEUM in the employ of Eastman Whipstock, Inc. did on the days of NOVEMBER 11, 19 82 thru NOVEMBER 11, 19 82 conduct or supervise the taking of a INCLINATION survey by the method of magnetic orientation from a depth of 0 feet to 3800 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

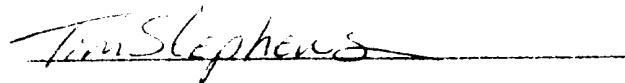
This survey was conducted at the request of YATES PETROLEUM for their VULTURE VP STATE WELL NO. 1, LEA County, State of NEW MEXICO, in the _____ field.

The data for this survey and the calculations 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 conforms to principles and procedures set forth by Eastman whipstock, Inc.

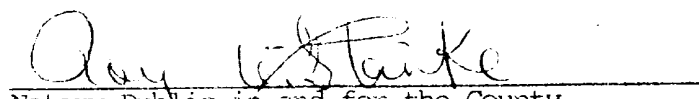


GARY DESPAIN

Before me, the undersigned authority, on the day personally appeared GARY DESPAIN, known to me to be the person whose name is subscribed to the 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 12TH day of APRIL, 19 83.





Notary Public in and for the County
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 YATES PETROLEUM CORPORATION			Lease Vulture "VP" State		Well No. 1
Unit Letter D	Section 14	Township 15 South	Range 33 East	County Lea	
Actual Footage Location of Well: 330 feet from the North line and 330 feet from the West line					
Ground Level Elev. 4178.3'	Producing Formation Permo-Penn		Pool Saunders Permo-Penn		Dedicated Acreage: 160 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.

Gliserio Rodriguez
Name _____

Gliserio Rodriguez
Position _____

Regulatory Coordinator
Company _____

Yates Petroleum Corp.
Date _____

9/27/82

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 _____

September 24, 1982

Registered Professional Engineer and/or Land Surveyor

Gary L. Jones
Certificate No. _____

7977

