

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

RECEIVED
5. LEASE OR AGREEMENT NO. NM-61582

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐
2. NAME OF OPERATOR Meridian Oil Inc. MAY 15 '89
3. ADDRESS OF OPERATOR 21 Desta Drive Midland, Texas 79705 O. C. D. ARYESIA, OFFICE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 990' FNL & 1980' FEL, Sec. 35, T-19-S, R-29-E, Unit B
At top prod. interval reported below
At total depth

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Apache "A" Federal
9. WELL NO. 2
10. FIELD AND POOL, OR WILDCAT Parkway (Delaware)
11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Sec. 35, T-19-S, R-29-E

12. COUNTY OR PARISH Eddy 13. STATE NM
14. PERMIT NO. DATE ISSUED
15. DATE SPUDDED 4/3/89 16. DATE T.D. REACHED 4/11/89 17. DATE COMPL. (Ready to prod.) 4/20/89 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3314' GR 19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 4550' 21. PLUG, BACK T.D., MD & TVD 4504' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4136' - 4229' (Delaware) 25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CNL/LTD GR/DD1/RXO GR/CBL/CLL 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48#	365'	17-1/2	378 sx Cl C w/2% CaCl ₂ & 100 sx Cl C w/3% CaCl ₂	Circ
8-5/8	24# & 28#	3210'	12-1/4	1300 sx Cl C 8% gel & 2% CaCl ₂	2; 400 sx Cl C
** 5-1/2 (see Back)				2% CaCl ₂ & 600 sx Cl C 3% CaCl ₂ TOC 400	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	3959'	4073'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4136-43, 4148-70, 4175-89, 4198-4214 & 4222-29' (71 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4136-4229'	4000 gals 7-1/2 NEFE, 142 BS
		4136-4229'	70,000 gals 65 Quality Foam & 187M# 12/20 sand

33. PRODUCTION							
DATE FIRST PRODUCTION 4/20/89		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 4-22-89	HOURS TESTED 24 hrs.	CHOKER SIZE 16/64"	PROD'N. FOR TEST PERIOD	OIL—BSL. 105	GAS—MCF. 160	WATER—BSL. 110	GAS-OIL RATIO 1524
FLOW. TUBING PRESS. 620	CASING PRESSURE ---	CALCULATED 24-HOUR RATE	OIL—BSL. 105	GAS—MCF. 160	WATER—BSL. 110	OIL GRAVITY-API (CORR.) 39.9	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY Tommy Polly

35. LIST OF ATTACHMENTS Logs, Plat, Inclination Survey, Temp Survey, C-104 requesting test allowable. 378
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED [Signature] TITLE Operations Tech III DATE 4/26/89

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
	0 530 1165 1495 1685 3390 3680	530 1165 1495 1685 3390 3680 4550	Redbeds Salt Anhydrite Sand, Dolomite Dolomite Dolomite, Sand Sand			
	1495 1685 3680		Yates Sand Seven Rivers Delaware			
			** 5-1/2" , 14# & 15.5#, set at 4550', 7-7/8" hole Cemt w/500 sx. Cl C w/5# salt/sx. Circ			

**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.

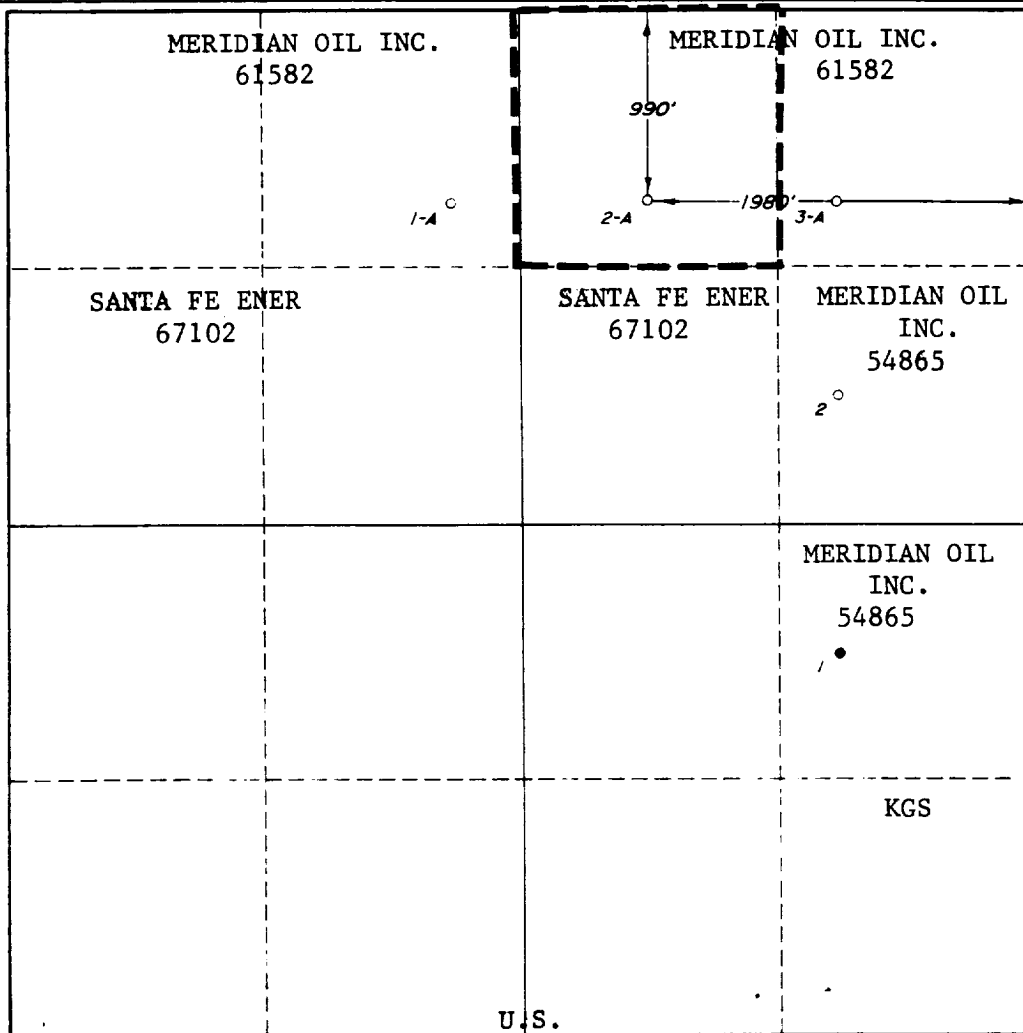
Operator MERIDIAN OIL, INC.			Lease APACHE FEDERAL		Well No. 2
Unit Letter B	Section 35	Township 19-SOUTH	Range 29-EAST	County EDDY	
Actual Footage Location of Well: 990 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 3314'	Producing Formation Parkway	Pool Delaware		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.

Connie Monahan

Name **Connie Monahan**

Position **Operations Tech III**

Company

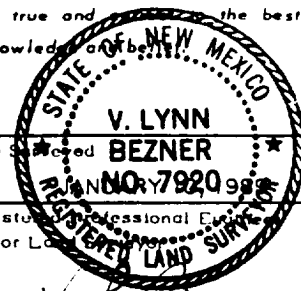
Meridian Oil Inc.

Date

April 26, 1989

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 Signed

BEZNER

NOV 7 1989

Registered Professional Engineer

and/or Licensed Land Surveyor

Certificate No.

7920

INCLINATION REPORT

14-APR-89

OPERATOR: Meridian Oil Inc.
 ADDRESS: 21 Desta Drive
 Midland, Texas 79705

WELL NAME: Apache Federal No. 2
 LOCATION: Section 35, T-19-S, R-29-E
 COUNTY/STATE: Eddy County, New Mexico
 RECEIVED
 MAY 15 '89

RECORD OF INCLINATION

O. C. D.

MEASURED DEPTH (feet)	COURSE LENGTH	ANGLE OF INCLINATION (Degrees)	DISPLACEMENT PER HUNDRED FEET (Sine of Angle X100)	COURSE DISPLACEMENT (feet)	ARTESIA, OFFICE ACCUMULATIVE DISPLACEMENT (feet)
365	365	0.50	0.88	3.19	3.19
736	371	2.00	3.50	12.99	16.18
879	143	1.25	2.19	3.13	19.31
1067	188	1.75	3.06	5.76	25.06
1256	189	1.00	1.75	3.31	28.37
1537	281	0.25	0.44	1.23	29.60
1800	263	1.25	2.19	5.75	35.35
2196	396	1.00	1.75	6.93	42.28
2700	504	2.50	4.38	22.05	64.33
2898	198	2.50	4.38	8.66	73.00
3200	302	1.50	2.63	7.93	80.92
3700	500	2.00	3.50	17.50	98.42
3983	283	1.25	2.19	6.19	104.62
4358	375	1.25	2.19	8.20	112.82
4550	192	1.50	2.63	5.04	117.86

Accumulative total displacement at well bore at total depth of 4,550' feet = 117.86 feet.

Inclination measurements were made in - Tubing Casing Open Hole X Drill Pipe.

At no time was the subject well intentionally deviated from the vertical in any manner whatsoever.

INCLINATION DATA CERTIFICATION

I declare that I am authorized to make this certification,
 that I have personal knowledge of the inclination data and
 facts placed on this form and that such data and facts are
 true, correct and complete to the best of my knowledge.

SEAL

M. D. Mosley
 Signature of Authorized Representative

M. D. Mosley, Vice President Drilling Operations
 Name of Person and Title

TOT Drilling Corporation
 Name of Company

Phone: (915) 367-7361 or (915) 563-1948

Subscribed and sworn before me this
 14th Day of April, 1989.

Elizabeth A. Knight
 Notary Public for the State of Texas
 My Commission Expires June 10, 1989



BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787 / ARTESIA, NEW MEXICO 88210 / PHONE 746-3281

TEMPERATURE SURVEY



OPERATOR MERIDIAN OIL
LEASE APACHE A FED.
WELL NO. #2
COMPANY REPRESENTATIVE JES. JOHNS
DATE & TIME CEMENT JOB COMPLETED 1800 HRS. 4-8-89
DATE & TIME SURVEY MADE 2400 HRS. 4-8-89
SURVEY RUN BY LEE LEDBETTER
WELL DATA INDICATION OF CEMENT TOP AT 400 FEET
TAG TD AT 1901 FEET (KB)

60 70 80 90 100 110 120 130 Temperature in °F

