

(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FOR OIL, GAS, OR MINERAL  
COMMISSION  
Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR ☐ Other ☐

3. NAME OF OPERATOR  
Meridian Oil Inc.

4. ADDRESS OF OPERATOR  
21 Desta Drive, Midland, Texas 79705

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FSL & 990 FEL, Sec. 35, T-19-S, R-29-E, C. D.

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 12-12-88 16. DATE T.D. REACHED 12-26-88 17. DATE COMPL. (Ready to prod.) 1-18-89

18. ELEVATIONS (OF RKB, RT, GR, ETC.)\* 3331' GR 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 4500' 21. PLUG BACK T.D., MD & TVD 4453' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS XX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4182-4218' (Delaware)

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Computer Processed interpretation,  
Compensated Neutron-Litho-Density, Dual Laterolog Micro-SFL

27. WAS WELL CORED  
No

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"	805 sx C1 "C"	Circ.
8-5/8"	28# & 24#	3200'	12-1/4"	1500sx Silicalite/400sx C1 "C"	Circ.
5-1/2"	14#	4500'	7-7/8"	400sx Silicalite/250sx C1 "C"	Circ. TOC

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4152'	SN @ 4117'

31. PERFORATION RECORD (Interval, size and number)

4182-4190'  
4196-4218' (32 Holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4182-4218'	Acid w/1500g 7 1/2% NEFE HCL, 84B.S. Frac w/18,000g 30# XLink & 42,875# 20/40 & 12/20 Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
1-8-89		Pumping - 2" X 1-1/2" X 16' RHBC Pump					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
2-1-89	24	---	→	143	124	102	867	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
--	25	→	143	124	102	38.8		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY  
Jerry Sparks

35. LIST OF ATTACHMENTS

Deviation Survey, Logs, Plats, C-104

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Marianne Martin TITLE Operations Tech III

FEB 13 1989  
DATE 2/3/89

\*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or communications.

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
	0 465 1200 1515 2000 3535	465 1200 1515 2000 3535 4500	Redbeds Anhydrite Salt, Anhydrite Sand, Anhydrite, Dolomite Dolomite Sand	Rustler Yates Capitan Rf Delaware	465' 1515' 2000' 3535'	

38.

WELL NAME & NUMBER Apache Federal No. 1 RECEIVED

LOCATION Eddy County, New Mexico  
(Give Unit, Section, Township and Range)

FEB 17 '89

OPERATOR Meridian Oil Company

DRILLING CONTRACTOR Grace Drilling Company

O. C. D.  
NOTES, OFFICE

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
<u>0.25 - 104</u>	<u>0.25 - 3440</u>	<u>                    </u>	<u>                    </u>
<u>2.25 - 360</u>	<u>1.25 - 3728</u>	<u>                    </u>	<u>                    </u>
<u>1.75 - 366</u>	<u>1.50 - 4032</u>	<u>                    </u>	<u>                    </u>
<u>2.00 - 501</u>	<u>0.75 - 4500</u>	<u>                    </u>	<u>                    </u>
<u>0.75 - 827</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>1.00 - 1049</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>1.25 - 1248</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>0.75 - 1460</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>1.00 - 1689</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>0.50 - 1836</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>0.25 - 2059</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>1.00 - 2383</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>1.25 - 2624</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>0.50 - 2885</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>0.75 - 3200</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

Drilling Contractor Grace Drilling Company

By *Ben Allen*

Subscribed and sworn to before me this 5th day of January, 19 89

*Delva Wadler*  
Notary Public

My Commission Expires 6/30/90

                     County Ector

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-12  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator MERIDIAN OIL COMPANY			Lease APACHE FEDERAL		Well No. 1
Unit Letter I	Section 35	Township 19-SOUTH	Range 29-EAST	County EDDY	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 990 feet from the EAST line					
Ground Level Elev. 3331'	Producing Formation Delaware		Pool Parkway	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.

MERIDIAN OIL INC. 61582 o <sup>3</sup>	E. WHITE 61582	E. WHITE 61582
SANTA FE ENER 67102	SANTA FE ENER 67102	MERIDIAN OIL INC. 54865 o <sup>2</sup>
LINEHAN & STOLTENBERG 24160		MERIDIAN OIL 54865 990' 1980' KGS U.S.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Cathy Nokes

Position

Operations Tech III

Company

Meridian Oil Inc.

Date

10/19/88

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

OCTOBER 7, 1988

Registered Professional Engineer  
and/or Land Surveyor  
NO. 6689

Certificate No.

6689