

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.

Budget Bureau No. 1004-0137

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM 031963

6. INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:

OIL
WELL ☒

GAS
WELL ☐

DRY ☐

OTHER ☐

1b. TYPE OF COMPLETION:

NEW

WORK

DEEP-

PLUG

DIFF.

OTHER ☐

WELL ☒

OVER ☐

EN ☐

BACK ☐

RESVR. ☐

2. NAME OF OPERATOR

Sonat Exploration Company

3. ADDRESS OF OPERATOR

110 W. Louisiana, Suite 500, Midland, TX 79701

(915) 684-6381

(915) 684-0433

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1980 FSL & 660' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

2-26-97

15. Date Spudded

3-29-97

16. Date T.D. Reached

4-22-97

17. DATE COMPL (Ready to prod.)

5-15-97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

3512' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

11,900

21. PLUG, BACK T.D., MD & TVD

8515'

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 & TVD)*

Perforated from 8248-8268', Bone Springs Lime

25. WAS DIRECTIONAL

SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL

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
11 3/4"	42#	800'	14 3/4"	590 sx CI C	NONE
8 5/8"	24#	4400'	10 1/4"	1525 sx 35/65 POZ	NONE
5 1/2"	15.5#	8600'	7 7/8"	1080 sx POZ & H	

29. LINER RECORD

Size	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8'	7912'	

31. PERFORATION RECORD (Interval, size and number)

8248-8268' 40 holes

32. ACID, SHOT, FRAC., CEMENT SQUEEZE, Etc.

DEPTH INTERVAL (MD) AMT. AND KIND OF MATERIAL USED

8248-8268'

1000 gals 17.5% acid & 80 ball sealers

77,500 gals Delta Frac

200,000# Ottawa Sand

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping -- size and type of pump)				WELL STATUS (Producing or PRODUCING)	
5-15-97		pumping					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR	OIL -- BBL.	GAS -- MCF.	WATER -- BBL.	GAS-OIL RATIO
5-31-97	24		TEST PERIOD	110	150	66	1363
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL -- BBL.	GAS -- MCF.	WATER -- BBL.	OIL GRAVITY-API (CORR.)	
	195	24-HOUR RATE					

34. DISPOSITION OF GAS

Prep to hook up to sales

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs & deviation

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

915 684-6381

SIGNED

TITLE Ann E. Ritchie, Regulatory Agent

DATE

6-4-97

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

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 representations as to any matter within its jurisdiction.

DISTR: BLM(6) NMOC(1)

ACCEPTED FOR RECORD

JUN 08 1997

6-4-97

Sonat Exploration Company
 Lotos II-D Federal, Well #1

Sec II, T24S, R31E

Idly Creek, JM

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.

38.

GEOLOGIC MARKER

NAME

MEAS. DEPTH

TRUE
VERT. DEPTH

Delaware
Mtn. Group

4473'

11282'

Sand Shale & Lime

Rustler Anhydrite
 Salt
 Base Salt
 Delaware Mtn Cr
 Eone Springs Lime
 Voficamp

71'
 10.8'
 4250'
 4473'
 8329'
 11,739'

3'
 3'
 3'