

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM-64504

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

LOTOS "11 F" FEDERAL #2

9. API WELL NO.

30-015-28821

10. FIELD AND POOL OR WILDCAT

Undesignated (Delaware)

11. SEC., T., R., E., OR BLOCK AND SURVEY OR AREA

T24S, R31E, Sec. 11

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1. TYPE OF WELL:

OIL WELL ☒GAS WELL ☐BIT ☐Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒WIRE ☐DRIFT ☐FLUG ☐DIFF. ☐Other ☐

3. NAME OF OPERATOR

SONAT EXPLORATION COMPANY

4. ADDRESS AND TELEPHONE NO.:

110 W. Louisiana Ste 500 (915) 684-0400 MIDLAND, TEXAS 79701

5. LOCATION OF WELL (Report location clearly and in accordance with applicable regulations)

At surface

1780' FNL & 660' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

1/18/96

OIL CON. DIV.
DIST. 2

15. DATE SPUDDED

3/24/96

16. DATE T.D. REACHED

4/14/96

17. DATE COMPL. (Ready to prod.)

5/21/96

18. ELEVATIONS (OF. BND, BT, CR, ETC.)

3536' KB

19. ELEV. CASINGHEAD

3518' GL

20. TOTAL DEPTH, MD & TVD

8621'

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

8565'

22. IF MULTIPLE COMPL., HOW MANY?

no

23. INTERVALS DRILLED BY

0-8621'

ROTARY TOOLS

CABLE TOOLS

no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

DELAWARE—8026'—8298'

25. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CURED

no

DIL CNL/LDT

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOSE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT POLLED
11 3/4" wc40	42#	438'	14 3/4"	400 sx, circ 154 sx	none
8 5/8" m50	23#	4430'	11"	1400 sx, cir. 80 sx	none
5 1/2" k-55	15.50# & 17#	8621'	7 7/8"	840 sx, TOC @ 5520'	none

28. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	8220'	

29. PREPARATION RECORD (Interval, size and number)

8026'—8298' (56 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8026'—8298'	500 g. 7 1/2% NEEF acid
	sand frac w/58,000 g. xl gel
	& 212,000 lbs 16/30 ottawa sand

31. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5/21/96		Rod Pump 1 1/2"				Producing	
DATE OF TEST	HOLES TESTED	CROCK SIZE	PROD. FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
5/21/96	24	NA	→	81	78	147	963
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
NA	30	→	81	78	147	42°	
54. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	

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

TEST WITNESSED BY

33. LIST OF ATTACHMENTS

2 sets logs, deviation survey

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

SIGNED

K. Glenn Carter

TITLE Sr. Drilling & Prod Engineer

DATE 6/7/96

*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DELAWARE MOUNTAIN GROUP	4520	8303	SAND, SHALE AND LIME

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
TOP RUSTLER ANHYDRITE	824	
TOP SALT	1234	
BASE SALT	4293	
TOP DELAWARE MOUNTAIN GROUP	4520	
TOP BONE SPRING LIME	8358	