

CONFIDENTIAL

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
New Mexico Oil Conservation Division
1100 1st Street
Artesia, NM 88210-2834

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR
Sonat Exploration Co. - Midland

3. ADDRESS OF OPERATOR (915) 684-0422/684-6381
110 W. Louisiana, Suite 500, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980 FNL & 1980 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. 404 DATE ISSUED 2-29-96

15. DATE SPUDDED 6-14-96 16. DATE T.D. REACHED 6-27-96 17. DATE COMPL. (Ready to prod.) 7-23-96 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)* 3521' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8627' 21. PLUG, BACK T.D., MD & TVD PBDT 8600' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0 - 8627' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7018 - 7188' Delaware (Brushy Canyon) 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Array Induction Imager & Compensated Neutron/Litho-Density 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#	420'	14-3/4"	400 sx C1 "C" (circ.)	-
8-5/8"	24#	4460'	11"	1650 sx C1 "C" (circ.)	-
5-1/2"	17#	8627'	7-7/8"	480 sx C1 Poz H	-
				800 sx Poz H TC 3500'	-

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					7-7/8"	6970'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7018, 7020, 7037, 7050, 7100 - 06,		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7109, 7116 - 50, 7188		7018 - 7188'	2800 gals 7-1/2% NEFE acid
Total 87 holes		7018 - 7188'	Frac w/26,000 gals 30# XL gel & 54,000# 16/30 RCS

33.* PRODUCTION							
DATE FIRST PRODUCTION 7-23-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7-29-96	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL. 67	GAS—MCF. 93	WATER—BBL. 287	GAS-OIL RATIO 1390
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.) 41	

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

SIGNED [Signature] TITLE Regulatory Agent DATE 9-4-96

*(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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Mtn. Group	4495'	8327'	Sand, Shale & Lime	Rustler	800'	800'
				Anhydrite		
				Salt	1130'	1130'
				Base Salt	4269'	4269'
				Delaware Mtn. Group	4495'	4495'
			Bone Spring Lime	8385'	8385'	