

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M.
311 S St
Artesia, NM 870-2834

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

5. LEASE DESIGNATION AND SERIAL NO.
NMMNM 29234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Lotos "10" Federal
Well #3

9. API Number
30 015'29798

10. FIELD AND POOL, OR WILDCAT
~~Wildcat (Delaware)~~
Ingle Wells Delaware

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec 10, T24S, R31E

12. COUNTY OR
PARISH

Eddy

NM

1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

1b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR

Sonata Exploration Co. - Midland

3. ADDRESS OF OPERATOR

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

(915) 684-6381

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

At surface 660 FNL & 660 FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. Date Spudded

1-22-98

16. Date T.D. Reached

2-6-98

17. DATE COMPL (Ready to prod.)

4-30-98

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

3483' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8450'

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

8375'

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)*

Delaware @ 8175-8202' & 6315-6322'

25. WAS DIRECTIONAL

SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDT/AIT/CMR

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#	685'	14 3/4"	590 sx	NONE
8 5/8"	24#	4237'	11"	1525 sx	NONE
5 1/2"	15.5#	8442'	7 7/8"	1250 sx	

29. LINER RECORD

Size	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/4"	8267'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

8194-8202' (4 SPF), 8175-8187' (4 SPF) 2-12-98
6315-6322' w/14 shots/2 SPF 4-24-98

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

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

8175-8202'

1500 gals 7 1/2% acid

32,000 gals 30# Crosslink Gel

w/ 120,000 20/40 Sand

6315-6322'

500 gals 15% NEFE acid

33.* PRODUCTION

DATE FIRST PRODUCTION 2-23-98		PRODUCTION METHOD (Flowing, gas lift, pumping – size and type of pump) pumping				WELL STATUS (Producing or PRODUCING)	
DATE OF TEST 5-4-98	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL – BBL. 59	GAS – MCF. 80	WATER – BBL. 104	GAS-OIL RATIO 1356
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF.	WATER – BBL.	OIL GRAVITY-API (CORR.)	

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

915 684-6381

SIGNED

TITLE Ann E. Ritchie, Regulatory Agent

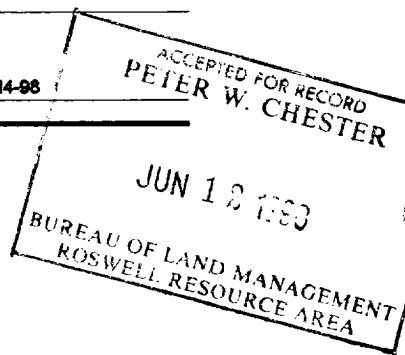
DATE

5-14-98

*(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) NMOCDD(1)



5-18-98

Sonat Exploration Co.-Midland
Lotos Federal "10" #3, API # 30 015 29798

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		
				38.	NAME	TOP
						MEAS. DEPTH
						TRUE VERT. DEPTH
						SubSeaDepth
Bell Canyon	4500'	4550'	Silt, Sand, Shale		Rustler	67'
Cherry Canyon	6300'	6330'	Silt, Sand, Shale		Salado Salt	1010'
Upper Brushy Canyon	6590'	7330'	Silt, Sand, Shale		Salado Salt (lose)	4052'
Lower Brush Canyon	7970'	8210'	Silt, Sand, Shale		Delaware Mtn. Group	4398'
					Cherry Canyon	5334'
					Brushy Canyon	6499'
					Bone Sprgs Lime	8268'