

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-04591

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mescalero Ridge "B" Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Mescalero Escarpe Bone Spring

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

Sec. 13, T-18-S, R-33-E

12. COUNTY OR PARISH
Lea

13. STATE
NM

1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

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

2. NAME OF OPERATOR

Sun Exploration and Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1861, Midland, Texas 79702-1861

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

At surface Unit Ltr. D 330' FNL & 900' FWL

At top prod. interval reported below

At total depth
8836'

14. PERMIT NO.

DATE ISSUED

10-9-85

15. DATE SPUDDED

1-17-86

16. DATE T.D. REACHED

2-13-86

17. DATE COMPL. (Ready to prod.)

3-1-86

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

4001.7' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8836

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

8800

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

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

8752-8776 Bone Spring Mescalero

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CNL

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
13 3/8	48	371	17 1/2	375 Sxs "C"	
8 5/8	24	3300	12 1/4	1450 Sxs "C"	
5 1/2	15.5 & 17	8836	7 7/8	860 Sxs	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	8780	

31. PERFORATION RECORD (Interval, size and number)

8752-76 2 JSPF 49 holes 4" Hyperjet III csg. gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8752-76	Acidz. w/750 GaTs 20% NEFEHCL
8752-76	Acidz. W/3000 GaTs 20% NEFEHCL

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-26-86		Pumping 1 1/4"				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-9-86	24		→	16	10	10	625/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL.				OIL GRAVITY-API (CORR.)
		→	Accepted for record				

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

Sold

MAY 13 1986

TEST WITNESSED BY

Danny Rawson

35. LIST OF ATTACHMENTS

Deviation Survey

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

SIGNED

TITLE

Associate Accountant

DATE

7-12-86

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Bone Spring	8146	8170	Gray-tan sandstone, finegrained, well sorted w/calcareous cement prob hydrocarbons	Rustler	1652	Same ↓
1st Bone Spring sand				Salado	1712	
1st Bone Spring	8305	8330	Gray-tan Sandstone, fine grained, well sorted, unconsolidated, w/calcareous cement, prob. hydrocarbons	Yates	3148	
Spring sand	8648	8670		Seven Rivers	3550	
				Queen	4310	
				Grayburg	4755	
				San Andres	5110	
				Delaware Mtn.		
Bone Spring	8752	8776	Dolomite, Tan, fine crystalline, sucrosic No dst.'s run.	Bone Spring	5925	
Mescalero Zone				1st Bone Spring	7070	
				Sand	8293	
				Mescalero Zone	8750	