

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUP

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
NM031963

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sundance Federal

9. WELL NO.
21

10. FIELD AND POOL, OR WILDCAT
Sand Dunes, Delaware

11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 4-T24S-R31E

12. COUNTY OR
PARISH
EDDY

13. STATE
NEW MEXICO

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. RESVR. ☐

2. NAME OF OPERATOR
Merit Energy Company

3. ADDRESS OF OPERATOR
12222 Merit Dr., Suite 1500, Dallas, Tx. 75251

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface Unit, Letter I, Sec. 4-T24S-R31E
1980 FSL & 660 EL, Eddy County
At top prod. interval reported below
At total depth
Same as Above

14. PERMIT NO.
DATE ISSUED
8/1/96

15. DATE SPUDDED 11/16/96 16. DATE T.D. REACHED 12/3/96 17. DATE COMPL. (Ready to prod.) 12/19/96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3426' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8260' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY* Na 23. INTERVALS DRILLED BY X ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7946-8100' Delaware 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/GR 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	54.5	671	17 1/2	522 SX	na
8 5/8	24, 32	4200	11	1275	na
5 1/2	17	8260	7 7/8	1040	na

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	7867	7867

31. PERFORATION RECORD (Interval, size and number)

7946-8100' w/1 SPF, 20 holes, .36"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7946-8100'	Perf 1/1 SPF: Acidized w/ 1500 ga NEFE + 30 ball sealers; Frac w/ 91736# SD

33. PRODUCTION

DATE FIRST PRODUCTION 12/19/96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or not) producing	
DATE OF TEST 12/23/96	HOURS TESTED 24	CHOKE SIZE 8/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 220	GAS—MCF. 283	WATER—BBL. 99	GAS-OIL RATIO 1286/1
FLOW. TUBING PRESS. 420	CASING PRESSURE Pkr	CALCULATED 24-HOUR RATE →	OIL—BBL. 220	GAS—MCF. 283	WATER—BBL. ACCEPTED	OIL GRAVITY-API (CORR.) 44.3	

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

35. LIST OF ATTACHMENTS

Plat, Deviation Survey & Log

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

SIGNED *Harold D. Ren*

TITLE Manager, Regulatory Affairs

DATE 2/3/97

*(See Instructions and Spaces for Additional Data on Reverse Side) E Log Recd 2/6/97

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Delaware Lm Cherry Canyon Brushy Canyon Bone Springs		4060 5175 6325 7900