

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995RECEIVED
BLM5. LEASE DESIGNATION AND SERIAL NO.
NM - 98716

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Federal 27 #1

9. API WELL NO.

30-043-20944

10. FIELD AND POOL, OR WILDCAT
Wildcat (Entrada)11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec 27, T20N, R4W

12. COUNTY OR PARISH 13. STATE
Sandoval New Mexico

19. ELEV. CASINGHEAD

6848'

23. INTERVALS
DRILLED BY

All

25. WAS DIRECTIONAL
SURVEY MADE
NO27. WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

Limark Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 10708, Midland, Texas 79702-7708 915/684-5765

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

At surface 1395' FSL & 1575' FEL

At top prod. interval reported below

same

At total depth

same

14. PERMIT NO.

DATE ISSUED

12/18/97

15. DATE SPUDDED

12/22/97

16. DATE T.D. REACHED

01/10/98

17. DATE COMPL. (Ready to prod.)

02/27/98

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

6847' -GL 6864' -KB

20. TOTAL DEPTH, MD & TVD

6100'

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

6100'

22. IF MULTIPLE COMPL.
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

5864' - 66' (Entrada)

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CNL/FDL/Sonic/SP/Caliper/DIL/Dipmeter

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8" J55	36	324'	12 1/4"	surface, 225 sx C1 B	
7" CF95	23 & 26	6033'	8 3/4"	4022', 250sx C1 B, 150 C1H	
				Squeezes @ 2560', 3200', 3500', 3850' (1325 sx)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	3052'	none

31. PERFORATION RECORD (Interval, size and number)

5864' - 66' (12 - 0.42" holes)

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

33. * PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
02/26/98		Pumping (Moyno 40-N-095 progressive cavity)				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
03/24/98	24	--	→ 36	36	0	224	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	--	→ 36	36	0	224	34.6	

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

vented

TEST WITNESSED BY

Earl Baldrige

35. LIST OF ATTACHMENTS

Wellbore Schematic

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

SIGNED Mark A. Philpy TITLE President

DATE 03/30/99

*(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.

LIMARK CORPORATION

FEDERAL 27-1 WELL

1395' FSL & 1575' FEL

SECTION 27, T 20 N, R 4 W

SANDOVAL COUNTY, NEW MEXICO

KB - 6864'

GL - 6847'

WELLSBORE SCHEMATIC

UPPER INJECTION STRING

3,052' - 2 3/8" FLUSH JOINT (OD - 2.375")

101 JOINTS - 4.60#/FT PLASTIC COATED

DUAL STRING ANCHOR

BAKER - MODEL D PARALLEL STRING

ANCHOR WITH J LATCH SUB

SET @ 3,052'

LOWER INJECTION STRING

2,882' - 2 7/8" TUBING

88 JOINTS - 6.40#/FT PLASTIC COATED

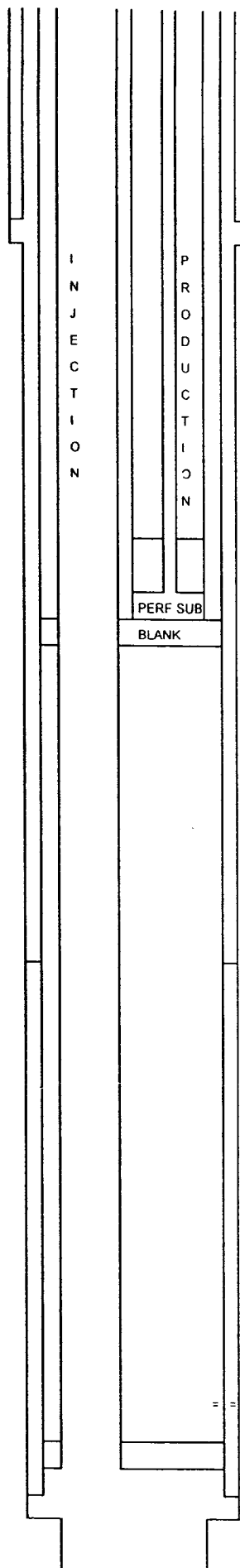
INJECTION PACKER

BAKER - MODEL A-3 LOK SET RETRIEVABLE

7" CASING PACKER SET AT 5,934'

OPEN HOLE

6 1/8" 6 034' - 6 100'



SURFACE CEMENTING DETAIL

225 SX CLASS 'B' - CIRCULATED TO SURFACE

SURFACE CASING DETAIL

7 JTS - 9 5/8\" 36.0#/FT ST&C SET @ 324.24'

SURFACE HOLE - 12 1/4\" @ 326'

PRODUCTION TUBING

3,025' - 2 7/8\" TUBING (COLLAR OD - 3.6\")

ROD STRING

3,025' - 1\" RODS WITH ROD GUIDES

PUMP

3.5\" OD PROGRESSIVE CAVITY PUMP

40-N-095 STATOR

LATCHED INTO ANCHOR @ 3,052'

CEMENT SQUEEZES (TESTED TO 1000# WITHOUT LOSS)

@ 2560' - 400 SX 35/65 POZ W/12% GEL & 1% CACL

& 125 SX CL H W/3% CACL (TOP @ 1885')

@ 3200' - 200 SX 35/65 POZ W/12% GEL & 1% CACL

& 75 SX CL H W/3% CACL (TOP @ 3058')

@ 3500' - 200 SX 35/65 POZ W/12% GEL & 1% CACL

& 75 SX CL H W/3% CACL (TOP @ 3458')

@ 3850' - 200 SX 35/65 POZ W/12% GEL & 1% CACL

& 50 SX CL H W/3% CACL (TOP @ 3780')

LONG STRING CEMENTING DETAIL (ORIGINAL)

250 SX CLASS 'B' W/ 2% SODIUM METASILICATE

+ 150 SX CLASS 'H' W/ 2% GEL

PRIMARY CEMENT TOP @ 4,022'

LONG STRING CASING DETAIL

1 JT - 7\" 23#/FT J-55 LT&C (ID - 6.241\" DRIFT)

70 JTS - 7\" 23#/FT C-95 LT&C (ID - 6.241\" DRIFT)

69 JTS - 7\" 26#/FT C-95 LT&C (ID - 6.151\" DRIFT)

7\" FLOAT COLLAR @ 5945.65'

2 JTS - 7\" 26#/FT LT&C

7\" CEMENT SHOE @ 6033.37'

PERFORATIONS

5864 - 66' (12 - 0.42\" HOLES)

8 3/4\" HOLE @ 6,040'