

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN

FOR APPROVED

MND-1004-0137

Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.

NM-0559539

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

James Federal "19" #2

9. APIWELLNO.

30-025-33100

10. FIELD AND POOL, OR WILDCAT

S. Sand Dunes Bone Spring

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

Sec. 19-T23S-R32E

12. COUNTY OR PARISH
Lea13. STATE
NM

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

Harvard Petroleum Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 936, Roswell, NM 88202-0936 (505) 623-1581

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

At surface 1980' FSL & 2310' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

9/7/95

15. DATE SPUDDED 3/18/96 16. DATE T.D. REACHED 4/1/96 17. DATE COMPL. (Ready to prod.) 4/11/96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3625 19. ELEV. CASINGHEAD 3617

20. TOTAL DEPTH, MD & TVD 8839 21. PLUG, BACK T.D., MD & TVD 8764 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 8839 ROTARY TOOLS CABLE TOOLS

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

8635-8661 Bone Spring

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR, CNL, LDT, AIT, CBL

27. WAS WELL CORRED

No

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
13 3/8" K-55	48	536'	17 1/2"	470 sks "C" Circ. 70	
8 5/8" J-55	24 & 32	4520'	11"	1400 sks "C" Circ. 170	
5 1/2" J-55 & N-80	17	8839'	7 7/8"	985 sks "H" (3850' CBL)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

8635-47, 8652-55 2 JSPF
8657-61.4 JSPF
48 total holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8635-8661	2000 Gal 7 1/2 HCL
	100,000 Gal XL w/
	300,000# 16/30 Sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/11/96		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/13/96	24	32/64	→	425	379	188	892
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
N/A	40#	→	425	379	188	42	

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

Sold

ACCEPTED FOR RECORD

TEST WITNESSED BY

Jeff Harvard

35. LIST OF ATTACHMENTS

Deviation Survey, CNL & LDT Logs

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

SIGNED

TITLE Jeff Harvard, Vice President DATE 4/25/96

*(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
Brushy Canyon	7205	8536	Various Sands w/ good porosity & flour.	Lamar Ramsey Cherry Canyon Brushy Canyon Bone Spring	4620	
Bone Spring	8633	8662	Sand w/ interbedded shale stringers.		4640	
					5586	
					7205	
					8536	

38. GEOLOGIC MARKERS