

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Other Instructions on reverse side

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM 96239

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

DiamondTail23Fed.#2

9. API WELL NO.

30-025-33653

10. FIELD AND POOL, OR WILDCAT

Diamondtail Bone Spring

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

Sec.23,T23S,R32E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL ☒ GAS ☐ DRY ☐ Other P.O. Box 1980

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. CENVR ☐ Other Hobbs, NM 8824

2. NAME OF OPERATOR
Penwell Energy, Inc. (915) 683-2534

3. ADDRESS AND TELEPHONE NO.
600 N. Marienfeld, Ste. 1100, Midland, Texas 79701

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

At surface 1980' FNL & 660' FEL

At top prod. interval reported below

At total depth 1980' FNL & 660' FEL

14. PERMIT NO. DATE ISSUED
10-22-96

15. DATE SPUDDED 12-9-96 16. DATE T.D. REACHED 1-16-97 17. DATE COMPL. (Ready to prod.) 3-1-97 18. ELEVATIONS (OF. RKB, RT. GR, ETC.)* 3716' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,200 21. PLUG, BACK T.D., MD & TVD 0 22. IF MULTIPLE COMPL., HOW MANY 1 23. INTERVALS DRILLED BY ROTARY TOOLS 11,200 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 10,776 - 782 Second Bone Spring 10,788 - 796 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN LD/CN, PE/AI Tool, PE/D/N/GR, PE/AII/GR/SP 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" K55	48#	579'	17 1/2"	500sx Cl. C - Circ to surf.	
8 5/8" K55	32#	4880'	12 1/4"	2285 sx. - Circ. to surf.	
5 1/2" N80	17#	11200'	7 7/8"	1430sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	10,795.66	10,692.38

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	HOLES	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,776 - 782' (6' x 12 holes)		10-776-796	500 gals 15% HCL acid + 200 gals 10% acetic acid
10,788 - 796' (8' x 16 holes)		10,776 - 796	3000 gals 15% NeFe acid + 40E
Total 14' x 28 holes			*See next page

33. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
3-11-97	Pumping 2 1/2" x 1 1/4" x 28' RHBC	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-11-97	24			68	0	38	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			68	0	38		

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.) TEST WITNESSED BY

N.A.

35. LIST OF ATTACHMENTS

Logs, Inclination Survey

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

SIGNED Brenda Coffman TITLE Regulatory Analyst DATE April 10, 1997

*(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.

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
Anhy & redbed	0	990		Lamar	4966	
Anhy & salt	990	4742		Bell Canyon	4988	
Lime	4742	6220		Manzanita	6164	
Sd & Sh	6220	9000		Brushy Canyon	7546	
Lm & Sh	9000	10898		Bone Spring	8858	
Lm, Sh, Sd	10898	11200		First Bone		
				Spring Sand	9964	

38. GEOLOGIC MARKERS