

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OILCONS. COMMISSION

P.O. BOX 9980  
DOBB, NEW MEXICO 88240

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

LEASE DESIGNATION AND SERIAL NO.

NM 86154

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME, WELL NO.

Diamond Tail "24" Fed#1

APIWELL NO.

30-025-33344

FIELD AND POOL, OR WILDCAT

Diamond Tail Bone Spring

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

Sec. 24, T23S, R32E

COUNTY OR  
PARISH

Lea

STATE

New Mexico

ELEV. CASINGHEAD

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. CENVR ☐

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' FSL & 660' FWL

At top prod. interval reported below

1980' FSL & 660' FWL

At total depth

14. PERMIT NO.

DATE ISSUED

3-11-96

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

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

19. ELEV. CASINGHEAD

3-26-96

4-18-96

8-16-96

3717 GR

20. TOTAL DEPTH, MD & TVD

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

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10,300

9870'

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

8994' - 9030'

Avalon Sand

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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"	48#	550	17 1/2"	Surface, 650 sx Cl. C	
8 5/8"	40#	4850'	12 1/4"	Surface, 1450sx ClC+300 sx Cl. CNeet	
5 1/2"	17#	10300'	7 7/8"	Surface, 1140 sx Cl. H +	
				900 sx of Cl. H	

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"	8929'	8927'

31. PERFORATION RECORD (Interval, size and number)

10,029 - 82  
8,994 - 9,030

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9890	CIBP capped w/20' cmt.
8994 - 9030	7 1/2% NeFe acid + 40 ball sealers (2500 gals) + Frac w/1339 bbls Viking I-30 fluid w/88,500# 20/40 Ottawa Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
7-4-96		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8-25-96	24		→	51	60	144	1176	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→	51	60	144	40.9		

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

Sold

35. LIST OF ATTACHMENTS

Logs, Inclination Report

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

SIGNED

Brenda Coffman

TITLE Production Analyst

DATE September 3, 1996

\*(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
Redbed	0	618
Redbed & anhy	618	2275
Salt & anhy	2275	3855
anhyd	3855	5275
sand	5275	7630
sand/shale	7630	8160
sand/lime	8160	8950
lime	8950	9365
lime/shale	9365	10150
sand	10150	10300
lime	10300	

38. GEOLOGIC MARKERS

NAME	TOP	TRUE DEPTH
Lamar	4984	5030
Bell Canyon	5030	5275
Manzanita	5275	5520
Brushy Canyon	5520	5765
Bone Spring	5765	5982
First Bone	5982	6180
Spring Sand	6180	6385

