

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 97118	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Penwell Energy, Inc. 147380		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 600 N. Marienfeld, Ste. 1100, Midland, Texas 79701		8. FARM OR LEASE NAME, WELL NO. 20473	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FSL & 660' FEL At proposed prod. zone 1650' FSL & 660' FEL Unit I		9. API WELL NO. 30-015-29393	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3/4 mile South from Carlsbad		10. FIELD AND POOL, OR WILDCAT 29665	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. ) Happy Valley Delaware AND SURVEY OR AREA	
16. NO. OF ACRES IN LEASE 120		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 5008'		22. APPROX. DATE WORK WILL START* Dec. 1, 1996	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3338' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	H-40 13 3/8	48#	350'	400 sx Cl. Circulated
11"	J-55 8 5/8	24#	1650'	425 sx. Cl. C 1,200 sx
				Cl. C. - Circulated to surf.
7 7/8"	J-55 5 1/2	17#	5200'	400 sx. Cl. C Lite + 250 sx
				Cl. C Neet. Est. TOC 1,200'

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHEDPosted 10-1  
NL & API  
2-28-97

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Brenda Offma TITLE Production Analyst DATE 11-7-97  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) JAMES G. PETTENGILL

APPROVED BY \_\_\_\_\_ TITLE Asst. ADM, MINERALS DATE 2-18-97

\*See Instructions 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.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <u>30-015-29393</u>	Pool Code <u>29665</u>	Pool Name <u>Happy Valley Delaware</u>
Property Code	Property Name <u>Hackberry "29" Federal</u>	Well Number <u>1</u>
OGRID No. <u>147380</u>	Operator Name <u>Penwell Energy Inc.</u>	Elevation <u>3338'</u>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<u>1</u>	<u>29</u>	<u>22 S</u>	<u>26 E</u>		<u>1650</u>	<u>South</u>	<u>660</u>	<u>East</u>	<u>Eddy</u>

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <u>40</u>	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>OPERATOR CERTIFICATION</b>  <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i>  <u>Brenda Coffman</u> Signature  <u>Brenda Coffman</u> Printed Name  <u>Production Analyst</u> Title  <u>November 7, 1996</u> Date	
	<b>SURVEYOR CERTIFICATION</b>  <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  <u>October 26, 1996</u> Date Surveyed  <u>[Signature]</u> Signature & Seal of Professional Surveyor  <u>NEW MEXICO</u> W.O. No. <u>64500</u> Certificate No. <u>Gary Jones 7977</u> <b>PROFESSIONAL LAND SURVEYOR</b>	

P SCHEMATIC

