





1) Date: March 1, 19 84  
 2) Operator's Well No. JK-887  
 3) API Well No. 47 State 017 County 3325 Permit

**RECEIVED**  
 OIL & GAS DIVISION  
 DEPT. OF MINES  
 APR 2 1984

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A  Gas  Oil  Underground storage  Deep  Shallow   
 Elevation: 973.39 Watershed: Flint Run  
 District: Grant County: Doddridge Quadrange: Smithburg 7.5' (1976)  
 6) WELL OPERATOR: J&J Enterprises, Inc. 7) DESIGNATED AGENT: Richard Reddecliff  
 Address: P. O. Box 48 Address: P. O. Box 48  
Buckhannon, WV 26201  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Stephen Casey  
 Address: Rt. 2, Box 232D Name: S.W. Jack Drilling Company  
Jane Lew, WV 26378 Address: P.O. Box 48  
Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill  / Plug off old formation  / Perforate new formation   
 Drill  / deeper  / Redrill  / Stimulate

11) GEOLOGICAL TARGET FORMATION, Alexander  
 Other physical change in well (specify) \_\_\_\_\_  
 12) Estimated depth of completed well, 5600 feet  
 13) Approximate true depths: Fresh, 55 feet; salt, 0 feet.  
 14) Approximate coal seam depths: 525 Is coal being mined in the area? Yes  No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor	11 3/4	H-40	42	X	0	0 sks.	Kind
Fresh water	8 5/8	ERW	23	X	1100	To surface	
Coal	8 5/8	ERW	23	X	1100	To surface	Size
Intermediate							Depths set
Production	4 1/2	J-55	10.5	X	5550	375 sks.	
Tubing							Perforations:
Liners							Top
							Bottom

OFFICE USE ONLY  
**DRILLING PERMIT**  
 Permit number 47-017-3325 Date May 11 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. May 11, 1986  
 Permit expires \_\_\_\_\_ unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>oil</u>	Plat: <u>MA 15</u>	Casing: <u>TS</u>	Fee: <u>3000</u>
-----------------	-------------------	--------------------	-------------------	------------------

*[Signature]*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.  
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File