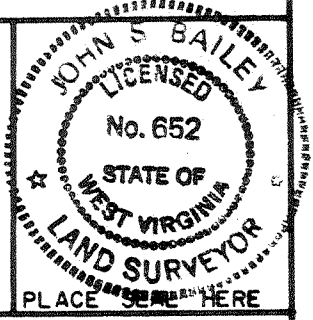


PREPARED BY MSES CONSULTANTS

FILE NO. MSES 84-315  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/1200  
 PROVEN SOURCE OF ELEVATION RD. FORKS 900' SE OF LOCATION EL. 945

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) John S. Bailey  
 P. E. \_\_\_\_\_ L. L. S. 652



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Department of Mines  
 Oil & Gas Division

DATE FEBRUARY 29, 19 84  
 OPERATOR'S WELL NO. JK-883  
 API WELL NO. 47-017-3302  
 STATE COUNTY PERMIT  
*According to DEP CANCELLED 5-27-86*

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS", PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X)  
 LOCATION: ELEVATION 944.15 WATER SHED BEECH LICK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5' (1976)  
 SURFACE OWNER N.M. WELCH ET AL. ACREAGE 76  
 OIL & GAS ROYALTY OWNER ED ORR ET AL. LEASE ACREAGE 76  
 LEASE NO. JK-83  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5200'  
 WELL OPERATOR J.B. ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF  
 ADDRESS P.O. BOX 48 BUCKHANNON, W.V. 26201 ADDRESS P.O. BOX 48 BUCKHANNON, W.V. 26201



1) Date: February 29, 19 84  
 2) Operator's Well No. JK-883  
 3) API Well No. 47 - 017 - 3302  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  /)
- 5) LOCATION: Elevation: 944.15 Watershed: Beach Lick  
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac 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 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Steven Casey Name S.W. Jack Drilling Company  
 Address Route 2, Box 232-D Address P.O. Box 48  
Jane Lew, WV 26378 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
 Plug off old formation  / Perforate new formation  /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5200 feet
- 13) Approximate trata depths: Fresh, 65 feet; salt, 0 feet.
- 14) Approximate coal seam depths: None 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.	New	Used	For drilling	Left in well		
Conductor	113/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	85/8	ERW	23	x		<del>1200</del> <u>1044</u>	<del>1200</del> <u>1044</u>	To surface	<u>NEAT</u>
Coal	85/8	ERW	23	x		<del>1200</del>	<del>1200</del>	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5150	5150	300 sks.	Depths set
Tubing									<u>OR AS REQUIRED BY WELL SPEC.</u>
Liners									Perforations
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3302 Date April 4, 1984

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.  
 Permit expires April 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>MLJ</u>	Plat: <u>MLJ</u>	Casing: <u>MLJ</u>	Fee: <u>3158</u>
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T. P. ...  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.