



FILE NO. BK 31 P 76
 DRAWING NO. _____
 SCALE 1" = 1320'
 MINIMUM DEGREE OF ACCURACY 1-200
 PROVEN SOURCE OF ELEVATION TOP KNDB 1800'
S.E. LOC. EL 2858

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) C. J. Volney Jr.
 R.P.E. L. S. 92

PLACE SEAL HERE

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



DATE DEC. 14, 19 83
 OPERATOR'S WELL NO. 1932
 API WELL NO. CNE# 21239-PE
47 - 023 - 0007
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2705.65 WATER SHED HIGH RIDGE RUN
 DISTRICT MILROY COUNTY GRANT
 QUADRANGLE HOPEVILLE 7.5' ON 2015' NE
 SURFACE OWNER UNITED STATES OF AMERICA ACREAGE 1065.58
 OIL & GAS ROYALTY OWNER UNITED STATES OF AMERICA LEASE ACREAGE 1003
 LEASE NO. _____
 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 ORISKANY ESTIMATED DEPTH 9500'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH VANZANT
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON WVA 26201 BUCKHANNON WVA 26201

10.925 39°00' 1400' 1915' GRANT 0007

RECEIVED
AUG 31 1984



OIL AND GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 08/22/84
Operator's
Well No. 2 - 1932
Farm East Dolly Sods #2
API No. 47 - 023 - 0007

WELL OPERATOR'S REPORT (CONFIDENTIAL WELL)
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production x / Underground Storage / Deep x / Shallow /)

LOCATION: Elevation: 2705.65' Watershed High Ridge Run
District: Milroy County Grant Quadrangle Hopeville

COMPANY UNION DRILLING, INC.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER United State of America
ADDRESS c/o U.S. Forest Service, P. O. Box 1548
Elkins, WV 26241
MINERAL RIGHTS OWNER See Page 2
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Philip
Tracy ADDRESS Forest Festival Terrace,
Apt. #24, Elkins, WV 26241
PERMIT ISSUED January 23, 1984
DRILLING COMMENCED 04/14/84
DRILLING COMPLETED 05/31/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.		30'	
13-10"		211'	189 cf
9 5/8	4098.67'	4098.67'	1883.5cf
8 5/8			
7			
5 1/2		8881.18'	1243.2 cf
4 1/2			
3			
2		8397.34'	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Depth 8820 feet
Depth of completed well 8820 feet Rotary x / Cable Tools
Water strata depth: Fresh 276 feet; Salt feet
Coal seam depths: None Is coal being mined in the area?

OPEN FLOW DATA
Producing formation Oriskany Pay zone depth feet
Gas: Initial open flow 301 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 933 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests ? hours
Static rock pressure 3000 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in



1) Date: January 20, 19 84
 2) Operator's Well No. 1932
 3) API Well No. 47 - 023 - 0007
 State 47 County 023 Permit 0007

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep X / Shallow)
- 5) LOCATION: Elevation: 2705.65' Watershed: High Ridge Run
 District: Milroy County: Grant Quadrangle: Hopeville
- 6) WELL OPERATOR Union Drilling, Inc.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Phillip Tracy
 Address Forest Festival Terrace, Apt. 24
Elkins, WV 26241
- 9) DRILLING CONTRACTOR:
 Name Union Drilling, Inc.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 9500 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM

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 OIL & GAS DIVISION
 No. XX
DEPT. OF MINES

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		Sizes	Depths set
Conductor	13-3/8		32	X		300	300	CFS MAT		
Fresh water										
Coal										
Intermediate	9-5/8		23	X		3500'	3500'	to surface		
Production	5-1/2	J	10 1/2	X		8800'	8800'	as required		
Tubing										
Liners										

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-023-0007 Date January 23, 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.
 Permit expires January 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>LO</u>	Plat: <u>MA</u>	Casing: <u>MH</u>	Fee: <u>013-365-</u>
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[Signature]
 Administrator, Office of Oil and Gas