



FILE NO. BK 81 P 23
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF
 ACCURACY 1:200
 PROVEN SOURCE OF
 ELEVATION USGS BM E-118
EL 558.00'

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES.

(SIGNED) C. S. Valley Jr.
 R.P.E. _____ U.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF
 WELL ON UNITED STATES
 TOPOGRAPHIC MAPS

FORM IV-8
 (8-78)



DATE NOV 25, 1983
 OPERATOR'S WELL NO. 1975 (3)
 API WELL NO.

47 - 053 - 0331
 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 ___ SHALLOW X
 LOCATION: ELEVATION 734.05' WATERSHED FLATFOOT CREEK OF OHIO RIVER
 DISTRICT CLENDENIN COUNTY MASON
 QUADRANGLE APPLE GROVE 7.5 Denwood 15' NC
 SURFACE OWNER DALE NIBERT ACREAGE 360
 OIL & GAS ROYALTY OWNER DALE NIBERT LEASE ACREAGE 360
 LEASE NO. C-2-601

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 DEVONIAN SHALE ESTIMATED DEPTH 3000
 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

JAN 3 1984

IV-35
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

Date February 29, 1984
Operator's Well No. 3A - 1975
Farm Dale Nibert #3A
API No. 47 - 053 - 0331

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE 1 - 1984

RECEIVED

OIL & GAS DIVISION

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

LOCATION: Elevation: 734' Watershed Flatfoot Creek of Ohio River
District: Clendenin County Mason Quadrangle Apple Grove

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 Dale Nibert
ADDRESS Apple Grove, WV 25502
MINERAL RIGHTS OWNER Same
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK

Jerry Tephabock ADDRESS Rt#1, Box 102-A, Ripley, WV 25271

PERMIT ISSUED 12/29/83
DRILLING COMMENCED 2/13/84
DRILLING COMPLETED 2/18/84

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.			
13-10"	23'		
9 5/8	908.65'		
8 5/8			
7	2107.15	684.50'	59 cf
5 1/2			
4 1/2	3256.65'		100 cf
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Lower Huron Depth 3000' feet

Depth of completed well 3418' feet Rotary X / Cable Tools

Water strata depth: Fresh 1220' feet; Salt feet

Coal seam depths: 175/179 1760' Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Lower Huron Pay zone depth 3144' feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d

Final open flow 73 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 6 day ~~hours~~

Static rock pressure not taken psig (surface measurement) after 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

MAR 5 1984

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Dowell - 1 stage foam frac - 2/23/84

2631/3144 - Lower Huron - 45,000# 20/40 sand, 342 Bbls water and 1,060,000 scf nitrogen

6672-234
11/12 100 4 1/2"
222GH?
Lower Huron 2790
Huron 2700-2844

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	175	3 1/2" stream water @1220'
Coal			175	179	4 1/2" stream water @1760'
Sand & shale			179	296	
Red Rock			296	660	
Sand & Shale			660	1270	
Big Lime			1273	1385	
Injun			1478	1712	
Berea			1949	1974'	
Lower Huron			2861	3142	
<u>Angela</u>			3150	3310	
				3418	T.D. gas show Ph. test @ T.D. 3418 1974 1444

(Attach separate sheets as necessary)

Union Drilling, Inc.
Well Operator
By: Joseph C. Pettey
Date: Joseph C. Pettey, Vice President of Production

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."

