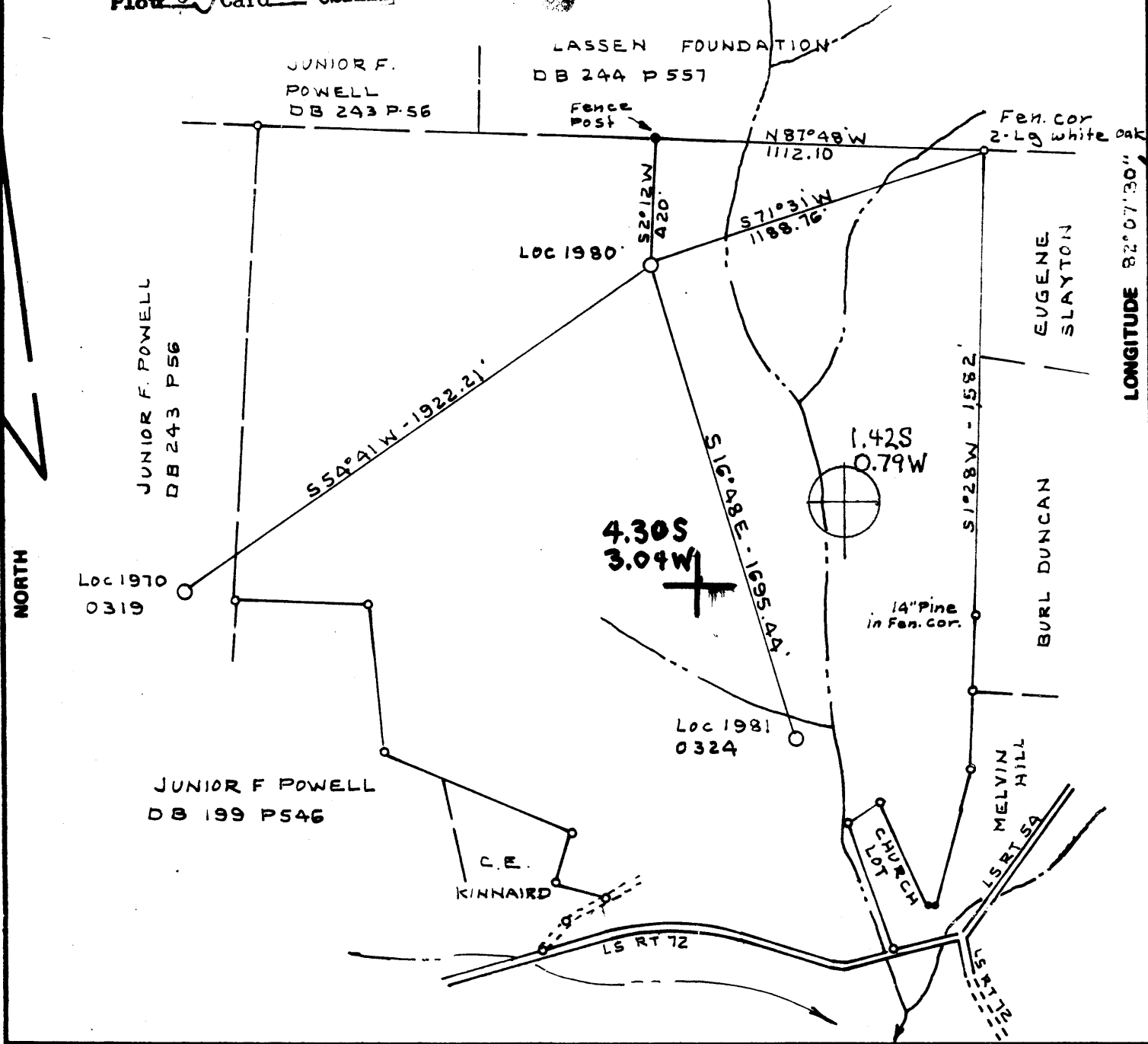


4,200'

LATITUDE 38°42'30" 38°45'

Plot Card CSD



FILE NO. BK81 P 35
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION Road Forks
2600' SE. of Loc.
EL. 610.00'

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) C. Y. Volley Jr.
 R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

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



DATE MARCH 7, 1983
 OPERATOR'S WELL NO. 1980 (1)
 API WELL NO. _____
47-053-0321-Rev
 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 720.00' WATER SHED MILLSTONE CREEK
 DISTRICT CLENDENIN COUNTY MASON
 QUADRANGLE APPLE GROVE 7.5' N6 Glenwood 15' N6
 SURFACE OWNER MARLIN PRICE ACREAGE 1.76
 OIL & GAS ROYALTY OWNER DELLA HONAKER, ETAL LEASE ACREAGE 1.26
 LEASE NO. C-2-174
 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 CLENTON ESTIMATED DEPTH 4500'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT JOSEPH VANZANT MAR 19 1984
 ADDRESS P.O. DRAWER 40 893 ADDRESS P.O. DRAWER 40
BUCKHANNON WV 26201 BUCKHANNON WV 26201

IV-35
(Rev 8-81)

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APR 24 1984



OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
Oil and Gas Division

Date April 23, 1984
Operator's
Well No. 1 - 1980
Farm Delia Honaker #1
API No. 47 - 053 - 0321

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 735' Watershed Millstone Creek
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 Marlin Price
ADDRESS Apple Grove, WV 25502
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK _____
Jerry Tephabock ADDRESS Rt. 1, Box 101-A, Ripley, WV 25271
PERMIT ISSUED 3/12/80
DRILLING COMMENCED 3/30/84
DRILLING COMPLETED 4/4/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8	905.50'		
8 5/8			
7	2087.05'	709.80'	59 cf
5 1/2			
4 1/2	3386.20'		152 cf
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Clinton Depth 4500' feet
Depth of completed well 3473' feet Rotary X / Cable Tools _____
Water strata depth: Fresh 1095' 1544' feet; Salt _____ feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Huron Pay zone depth 3204' feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 84 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 6 days
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

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

Dowell - 1 stage Foam Frac - 4/14/84

Huron - 2872/3204 - 60,000# 20/40 sand, 235 Bbls water and 1,020,000 scf nitrogen

DOWELL MINES

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	105	Damp @74'
Red Rock			105	310	
Sand & Shale			310	1415	1" stream water @1095'
Big Lime			1415	1476	
Big Injun			1545	1592	1" stream water @1544'
Sand & Shale			1592	1988	
Berea			1988	2013	
Upper Huron			2870	2884	
<u>Lower Huron</u>			2920	3208	
				3473	T.D. gas show

from 6000# sand 928 ft
 106
 3313 - 116

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey

Date: Joseph C. Pettey, Vice President of Production

4/23/84

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."



1) Date: December 8, 19 83
 2) Operator's Well No. 1980 (1)
 3) API Well No. 47 - 053 - 0321
 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: 735.33' Watershed: Millstone Creek
 District: Clendenin County: Mason Quadrangle: Apple Grove
 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph Vanzant
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Tephabock Name Union Drilling, Inc.
 Address Route 1, Box 101-A Address Post Office Drawer 40
Ripley, WV 25271 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, Devonian Shale - LOWER HURON
 12) Estimated depth of completed well, 3000 feet
 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes No

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 DEC 10 1983
 MINES DIVISION
 DEPT. OF MINES

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	11-3/4		32		X	30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		23		X	1000' ⁹³⁵	1000' ⁹³⁵	210 sacks	CTS NEAT
Production	4-1/2	J	10 1/2	X		3000'	3000'	640 sacks	Depths set
Tubing									or as req. by rule 15.01
Liners									Perforations
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-053-0321 Date December 29, 1983

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 December 29, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>ls</u>	Plat: <u>MLI</u>	Casing: <u>MLI</u>	Fee: <u>011 593</u>
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Margaret J. Hesse
 Administrator, Office of Oil and Gas



1) Date: March 6, 19 84
 2) Operator's Well No. 1980
 3) API Well No. 47 - 053 - 0321-Rev
 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 X /
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____)
- 5) LOCATION: Elevation: 735.33' Watershed: Millstone Creek
 District: Clendenin County: Mason Quadrangle: Apple Grove
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Tephabock Name Union Drilling, Inc.
 Address Route 1, Box 101-A Address Post Office Drawer 40
Ripley, WV 25271 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Clinton
- 12) Estimated depth of completed well, 4500 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	
Conductor	11-3/4		32		X	30'	30'	
Fresh water								
Coal								
Intermediate	8-5/8		23		X	1000-835'	1000-835'	to surface
Production	4-1/2	J	10 1/2	X		4500'	4500'	as required
Tubing								
Liners								

RECEIVED
 DEPT. OF MINES
 OIL & GAS DIVISION
 MARCH 12 1984
 BOTTOM

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-053-0321-Rev Date March 12, 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 March 12, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>0794 894</u>
-----------------	------------------	-----------------	-------------------	----------------------

[Signature]
 Administrator, Office of Oil and Gas

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

RECEIVED
JAN 09 1989

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS

REVISED

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: PRICE, MARLIN & PHILLIS Operator Well No.:1980-1

LOCATION: Elevation: 720.00 Quadrangle: APPLE GROVE
District: CLENDENIN County: MASON
Latitude: 7450 Feet South of 38 Deg. 42 Min. 30 Sec.
Longitude 4200 Feet West of 82 Deg. 7 Min. 30 Sec.

Company: Equitable Resources Exploration, Inc. Coal Operator Marlin and/or Phyllis Price
P. O. Drawer 40 or Owner Apple Grove, WV 25502
Buckhannon, WV 26201

Agent: Douglas P. Terry Coal Operator _____
Inspector: Jerry Tephacock or Owner _____
Permit Issued: 09/23/88

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Upshur ss:

Larry Grubb and Phillip Pulliam being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Equitable Resources Exploration, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of December, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
1.6% gel 5 bbl	TD	3204	1790 (4%)	1596 (4%)
1. Cement 34 sks	3204	2820		
1.6% gel 1900 gal	2820	1733		709 (7")
1. Cement 23 sks	1733	1633		
1.6% gel 1060 gal	1633	1300		
1. Cement 46 sks	1300	1100		
1.6% gel 700 gal	1100	1000		
1. Cement 23 sks	1000	900		905 (9 5/8)
1.6% gel 570 gal	900	100		
1. Cement 35 sks	100	0		

Description of monument: 7" pipe three feet above ground with API number

and that the work of plugging and filling said well was completed on the 13 day of December, 1988.

And further deponents saith not.

Larry Grubb
Phillip Pulliam



Subscribed and sworn to before me this 27 day of December, 1988
9/16/93

Joseph K. Guler
Notary Public

JAN 23 1989