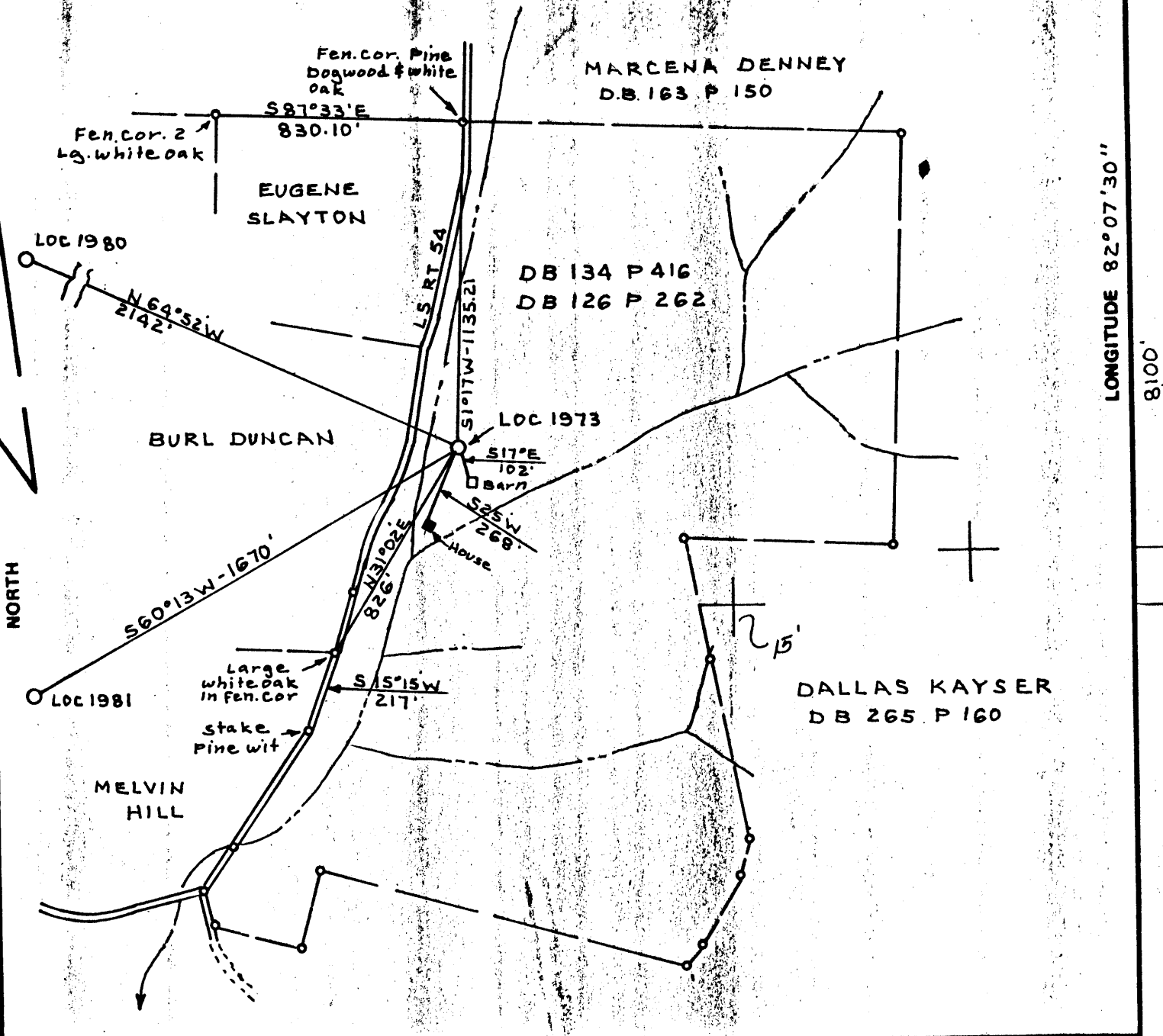


Jamie 9/15/88

2250'

LATITUDE 38°42'30"

LONGITUDE 82°07'30"



FILE NO. BK 81 P 44
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS Road Forks 1750' SW of LOC EL 610.0'

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. S. Volley Jr.
 R.P.E. _____ S. 92

PLACE SEAL HERE

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



DATE NOV 29, 1983
 OPERATOR'S WELL NO. 1973
 API WELL NO. _____
47 - 053 - 0323 - P
 STATE COUNTY PERMIT

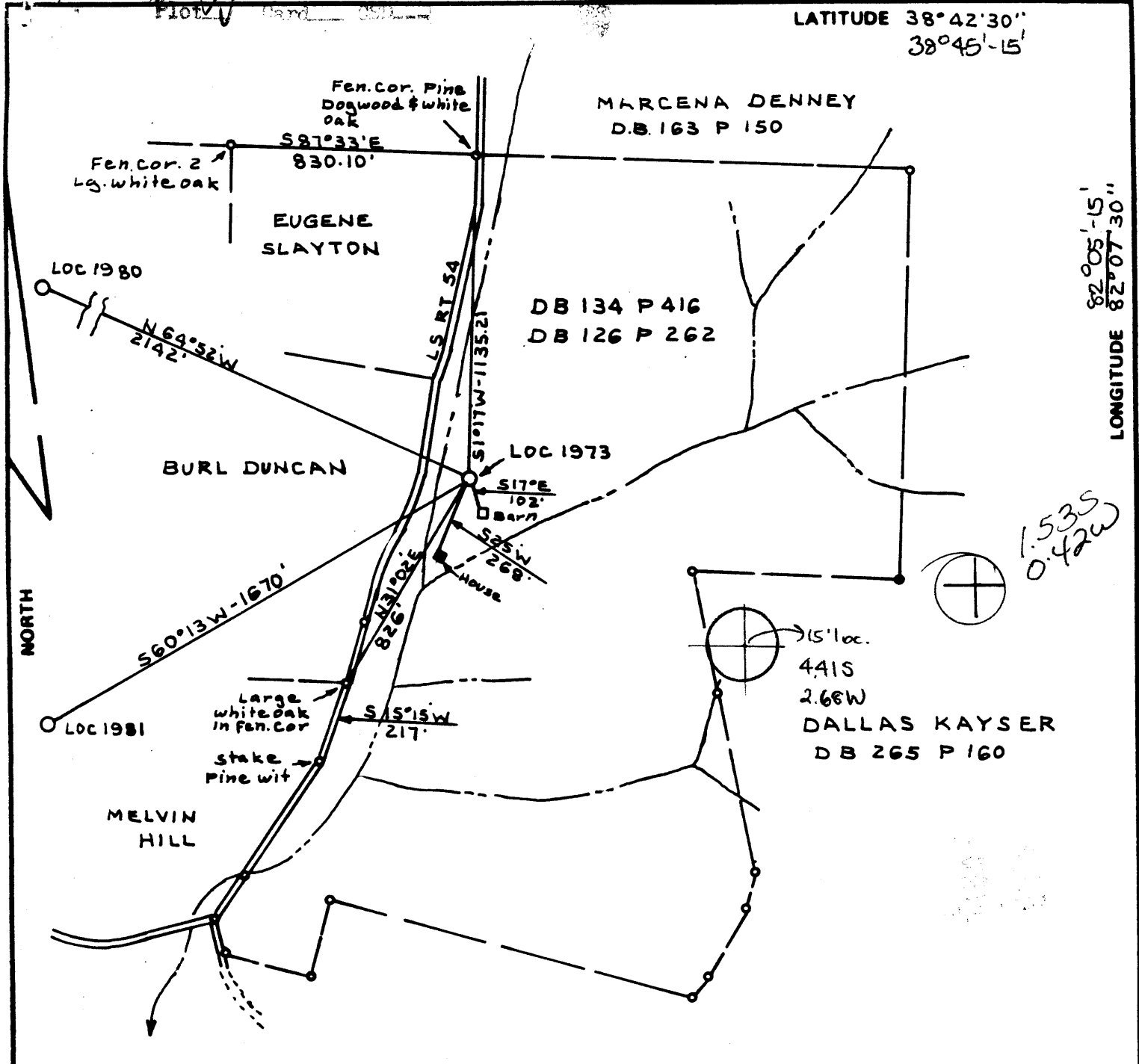
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 631.78 WATERSHED MILLSTONE CREEK
 DISTRICT CLENDENIN COUNTY MASON
 QUADRANGLE APPLE GROVE 7.5'
 SURFACE OWNER LUTHER A. PRICE ACREAGE 98
 OIL & GAS ROYALTY OWNER LUTHER A. PRICE LEASE ACREAGE 98
 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 DEVONIAN SHALE ESTIMATED DEPTH 3000
 WELL OPERATOR EQUITABLE RESOURCES DESIGNATED AGENT DOUGLAS P. TERRY
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON WVA 26201 BUCKHANNON WVA 26201

SEP 23 1988

MASON 323-P



LATITUDE 38°42'30"
38°45'-15'

LONGITUDE 82°05'-15"
82°07'-30"
8100'

1.53S
0.42W

FILE NO. BK 81 P 44
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION USGS Road Forks 1750' SW of LOC EL 610.0'

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. S. Volley 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 29, 1983
 OPERATOR'S WELL NO. 1973
 API WELL NO. _____
47 - 053 - 0323
 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 631.78 WATER SHED MILLSTONE CREEK
 DISTRICT CLENDENIN COUNTY MASON
 QUADRANGLE APPLE GROVE 7.5' 15' NC
 SURFACE OWNER LUTHER A. PRICE ACREAGE 98
 OIL & GAS ROYALTY OWNER LUTHER A. PRICE LEASE ACREAGE 98
 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 DEVONIAN SHALE ESTIMATED DEPTH 3000
 WELL OPERATOR UNION DRILLING DESIGNATED AGENT JOSEPH VANZANT
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON WVA 26201 BUCKHANNON WVA 26201

6-6 unnamed (b)

IV-35
(Rev 8-81)

RECEIVED
MAY 4 - 1984



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

Date May 3, 1984
Operator's
Well No. 1 - 1973
Farm Luther Price #1
API No. 47 - 053 - 0323

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: 631' 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 Luther A. Price
ADDRESS Rt. #1, Box 86, Apple Grove, WV 25502
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
Jerry Tephacock ADDRESS Rt. #1, Box 101-A, Ripley, WV 25271
PERMIT ISSUED 12/29/83
DRILLING COMMENCED 3/29/84
DRILLING COMPLETED 4/3/84 ✓
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 Cond.			
13-10"	33.00'		
9 5/8	812.10'		
8 5/8			
7	2023.80'	715.85	256 cf
5 1/2			
4 1/2	3297.55'		170 cf
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Lower Huron Depth 3000' feet
Depth of completed well 3316' feet Rotary x / Cable Tools
Water strata depth: Fresh 17', 120 feet; Salt 858', 1195 feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Huron Pay zone depth 3140' feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d
Final open flow 60 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 6 days 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

MAY 21 1984

(Continue on reverse side)

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

Newsco - 1 stage Foam Frac - 4/25/84

2798/3140 - Huron - 60,000# 20/40 sand, 158 Bbls water and 887,600 scf nitrogen

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	20	1/2" water @17'
Red Rock			20	23	
Sand & Shale			23	359	1/2" water @120'
Sand & Shale			359	945	1/2" salt water @858'
Berea			1898	1922	2 1/2" salt water @1195'
Upper Huron			2797	2808	
Lower Huron			2844	3139	
				3316 T.D.	

from SP log - el 639'

Angola @ 3316'

(Attach separate sheets as necessary)

UNION DRILLING, INC.
Well Operator

By: Joseph C. Pettey
Date: Joseph C. Pettey, Vice President of Production

5/3/84

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 coal, encountered in the drilling of a well."



1) Date: December 8, 1983
 2) Operator's Well No. 1973
 3) API Well No. 47-053-0323
 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 _____ / Shallow X /)
- 5) LOCATION: Elevation: 631.78 / Watershed: Millstone Creek
 District: Clendenin / County: Mason / Quadrangle: Apple Grove
- 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 Jerry Tephabock
 Address Route 1, Box 101-A
Ripley, WV 25271
- 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 X /
 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 EXXION

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' 831'	1000' 831'	210 sacks	CTS by rule 15.05
Production	4-1/2	J-55	10.5	X		3000'	3000'	640 sacks	or as req. by rule 15.01
Tubing									Depths set
Liners									Perforations:
									Top Bottom

RECEIVED
 DEC 10 1983
 DEPT. OF MINES

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-053-0323 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>ML</u>	Casing: <u>ML</u>	Fee: <u>011</u> <u>602</u>
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Margaret J. Hoase
 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 AND GAS

REVISED

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPPLICATE, 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, LUTHER A. Operator Well No.: 1-1973

LOCATION: Elevation: 631.00 Quadrangle: APPLE GROVE
District: CLENDENIN County: MASON
Latitude: 8100 Feet South of 38 Des. 42 Min. 30 Sec.
Longitude 2250 Feet West of 82 Des. 7 Min. 30 Sec.

Company: Equitable Resources Exploration Inc Coal Operator Luther A. Price
P. O. Drawer 40 or Owner Rt. 1. Box 86
Buckhannon, WV 26201 Apple Grove, WV 25502

Agent: Douglas P Terry Coal Operator _____
Inspector: Jerry Tephabock 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 7 day of December, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
6 1/2 gal 800 gal	TD	3115	1800 (4 1/2)	1497 (4 1/2)
Cement 8 sks	3115	3015		
6 1/2 gal 317 gal	3015	2950		
Cement 26 sks	2950	2645		
6 1/2 gal 156 gal	2645	1865		715 (7 1/2)
Cement 25 sks	1865	1765		
6 1/2 gal 1130 gal	1765	1358		
Cement 23 sks	1358	1258		
6 1/2 gal 800 gal	1258	912		
Cement 18 sks	912	862		
6 1/2 gal 540 gal	862	100		812 (9 5/8)
Cement 112 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 8 day of December, 1988.

And further deponents saith not.

Larry Grubb
Phillip Pulliam
Joseph K. Harlow
Notary Public

Sworn and subscribe before me this 27 day of December, 1988
My commission expires 6/14/93

