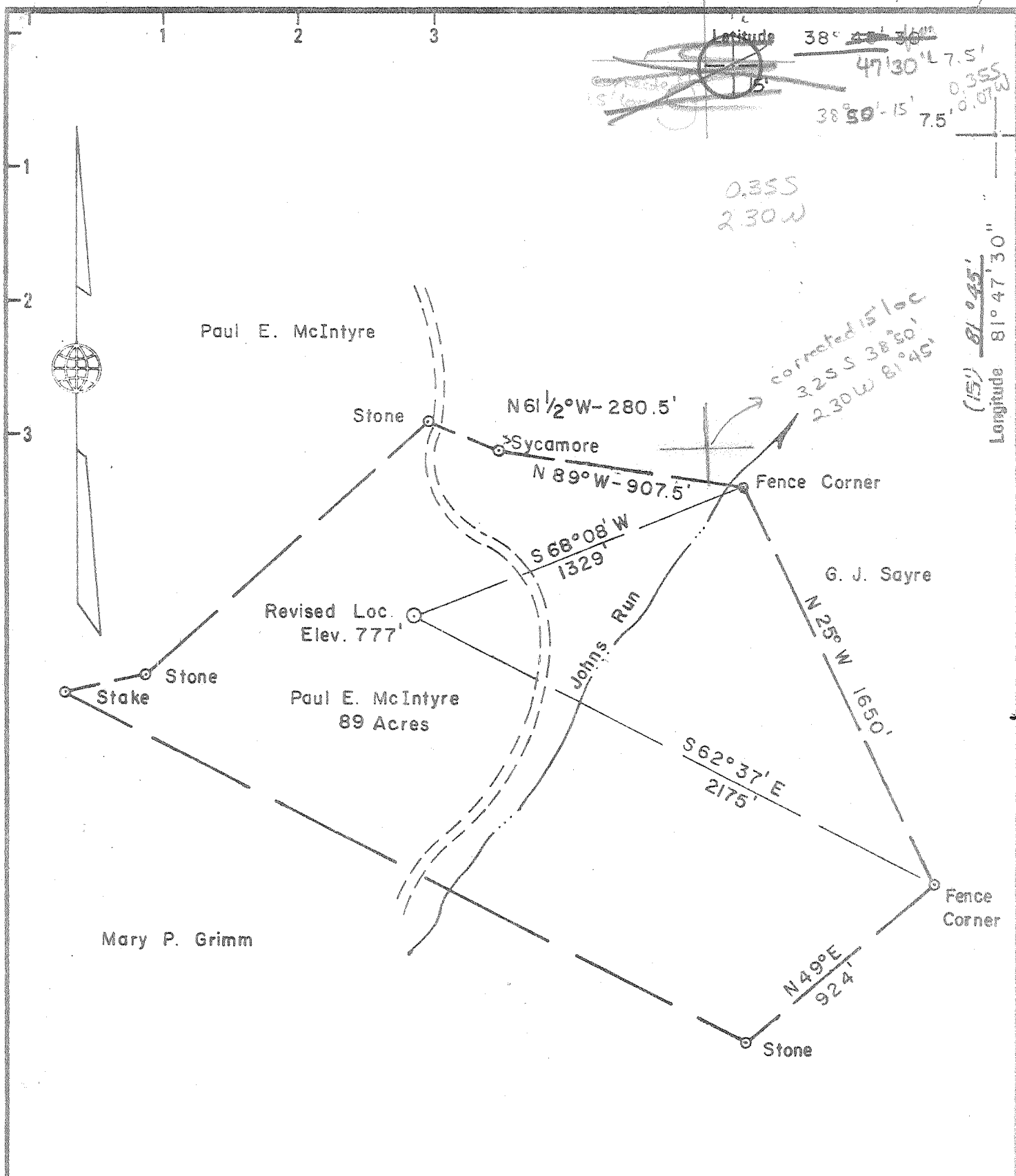


12/4/78



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation USGS BM El. 592' Parchment Creek
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company DEVON CORP
 Address P.O. BOX 1433 CHARLESTON, W V.
 Farm PAUL E. MCINTYRE
 Tract _____ Acres 89 Lease No. 2395
 Well (Farm) No. 1 Serial No. 905
 Elevation (Spirit Level) 777' SE #
 Quadrangle 7.5' COTTAGEVILLE, RAVENSWOOD 15
 County JACKSON District RIPLEY
 Surveyor James H. Safford
 Surveyor's Registration No. 1445
 File No. _____ Drawing No. _____
 Date 11-21-78 Scale 1" = 500'

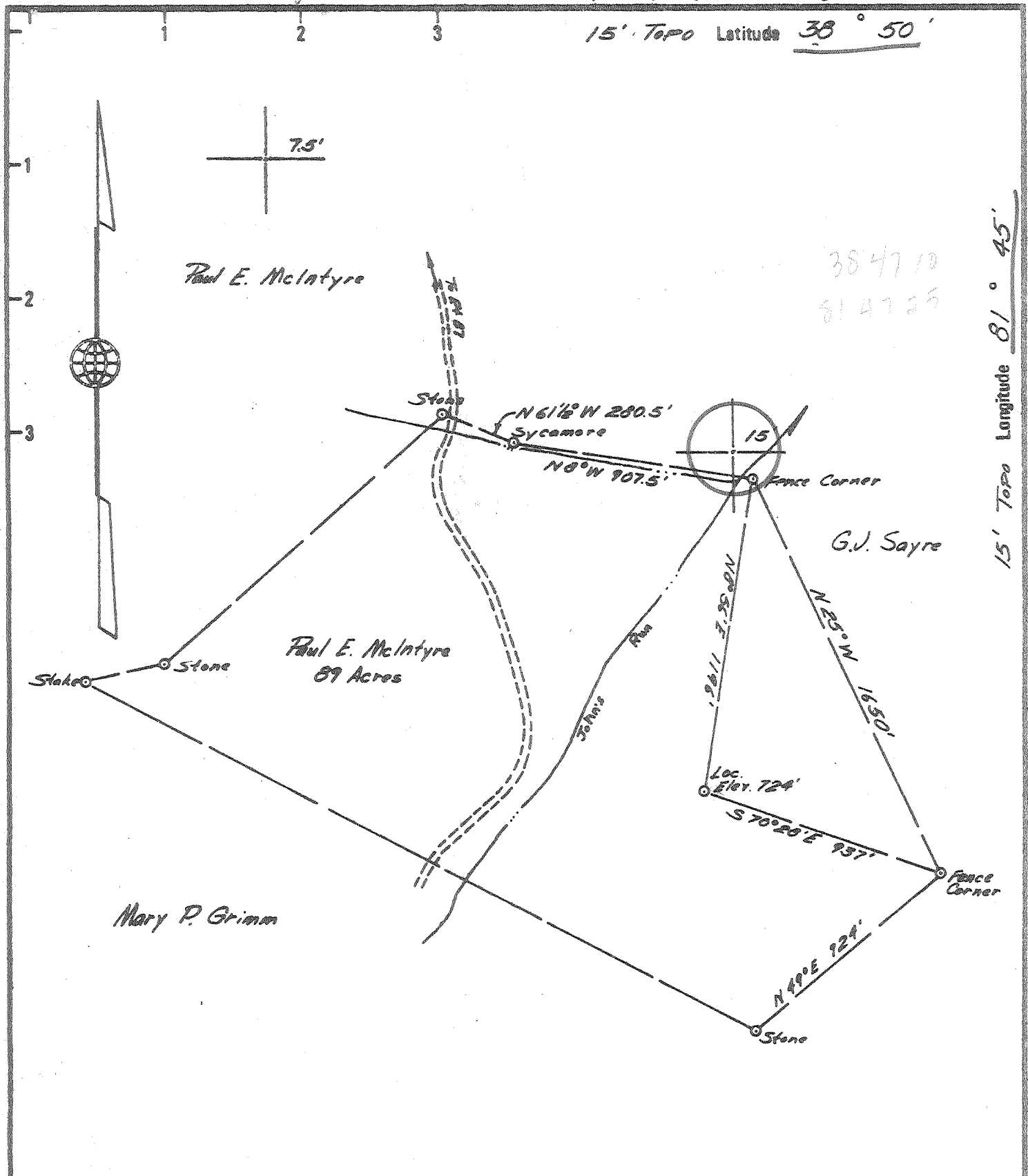
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 47-035-1441-REV

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 24,000

- Denotes one inch spaces on border line of original tracing.

Deep Well DEC 20 1978



15' TOPO Longitude 81° 45'
 7.5' TOPO 81° 45'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation USGS BM EL. 592 PARCHMENT CREEK R.D.
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company DEVON CORP.
 Address PO. BOX 1433 CHARLESTON W.V.
 Farm PAUL E. MCINTYRE
 Tract _____ Acres 89 Lease No. 2395
 Well (Farm) No. 1 Serial No. 905
 Elevation (Spirit Level) 724' SE
 Quadrangle 7.5' COTTAGEVILLE, 15' RAVENSWOOD
 County JACKSON District RIPLEY
 Surveyor James W. Sefton
 Surveyor's Registration No. 149
 File No. _____ Drawing No. _____
 Date May 12, 1978 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. JAC-1441

+ Denotes location of well on United States Topographic Maps, scale 1 to 62 500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Deep Well 47-035 JUN 1 1978

6-8 South Ripley (359)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 1c

SEP - 4 1979
47-035-1441
OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Cottageville
Permit No. JAC-1441

Rotary XXX Oil _____
Cable _____ Gas XXX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Paul E. McIntyre Acres 89
Location (waters) Johns Run
Well No. 905 Elev. 777
District Ripley County Jackson
The surface of tract is owned in fee by Paul E. McIntyre
Address Rt. 1, Evans, W. Va. 25241
Mineral rights are owned by Same as above
Address _____
Drilling Commenced December 1, 1978
Drilling Completed December 12, 1978
Initial open flow 3 MCFD ~~XXXX~~ bbls.
Final production 89 MCFD ~~XXXX~~ per day bbls.
Well open 3 hrs. before test 925 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	266	266	100 sax=to surface
8 5/8			
7	2595	2595	75 sax=625'
5 1/2			
4 1/2		4946	200 sax=2400'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 4 1/2" casing 4858 to 4860 with 16 shots

Fractured Oriskany Sand with 45,000# sand & 849 BBLs water. Set Bridge Plug at 4775'. Perforated 4 1/2" casing 3985-4161 and 4581-4737.

Fractured with 1152 BBLs water and 90,000# sand

89 MCF

Coal was encountered at None reported Feet _____ Inches _____
Fresh water Dev Feet _____ Salt Water _____ Feet _____
Producing Sand Br. Shale, Marcellus & Oriskany Depth 3985-4161, 4581-4737 & 4858-60
Dev Sh MRCL ORSK

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	12		
Shale			12	211		
Sand			211	227		
Shale			227	290		
Sand			290	310		
Shale			310	477		
Sand			477	495		
Shale			495	634		
Sand			634	640		
Shale			640	1147		
Sand			1147	1250		
Shale			1250	1296		
Sand			1296	1370		
Shale			1370	1430		
Sand			1430	1453		
Shale			1453	1537		
Broken Sand			1537	1778		
Maxon Sand			1778	1874		
Big Lime			1874	1981		
Shale			1981	2012		
Injun Sand			2012	2096		
Shale			2096	2462		
Coffee Shale			2462	2489		

(over)

* Indicates Electric Log tops in the remarks section.

47-035-1441

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Berea Sand			2489	2500		
Shale			2500	3686		
Brown Shale			3686	4164		
Shale			4164	4578		
Marcellus Shale			4578	4740		
Onondaga L. S.			4740	4817		
Oriskany Sand			4817	4866		
Helderberg L. S.			4866	4985		
Log Total Depth				4985'		

Date January 8, 1979

APPROVED A. C. Youse Owner
 By A. C. Youse District Geologist (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
MAY 15 1978
OIL & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner Paul E. McIntyre
Address Rt. 1, Evans, W. Va. 25241
Mineral Owner Paul E. McIntyre
Address Rt. 1, Evans, W. Va. 25241
Coal Owner Same as above
Address _____
Coal Operator Not operated
Address _____

DATE May 8, 1978
Company DEVON CORPORATION
Address Box 1433, Charleston, W. Va.
Farm Paul E. McIntyre Acres 89 ac
Location (waters) Johns Run
Well No. 905 Elevation 724
District Ripley County Jackson
Quadrangle Cottageville

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 9-16-78.

INSPECTOR
TO BE NOTIFIED Richard J. Morris
ADDRESS Grantsville, W.Va.
PHONE 354-7259

[Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated August 5 19 74 by P. E. McIntyre made to Devon & Eason and recorded on the _____ day of _____ 19____, in Jackson County, Book 127 Page 592
XXX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
Well Operator

Very truly yours,
(Sign Name) A. C. House
A. C. House, Dist. Geologist
P. O. Box 1433
Street
Charleston,
City or Town
W. Va. 25325
State

BLANKET BOND

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

JAC-1441

PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME FWA Drilling Co. NAME Bill Endicott
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, W. Va.
 TELEPHONE 965-3379 TELEPHONE 342-3171
 ESTIMATED DEPTH OF COMPLETED WELL: 4985 ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	200	200	100 sax=to surface
8 - 5/8			
7	2600	2600	75 sax=625'
5 1/2			
4 1/2		4985	150 sax=1800'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None anticipated
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title