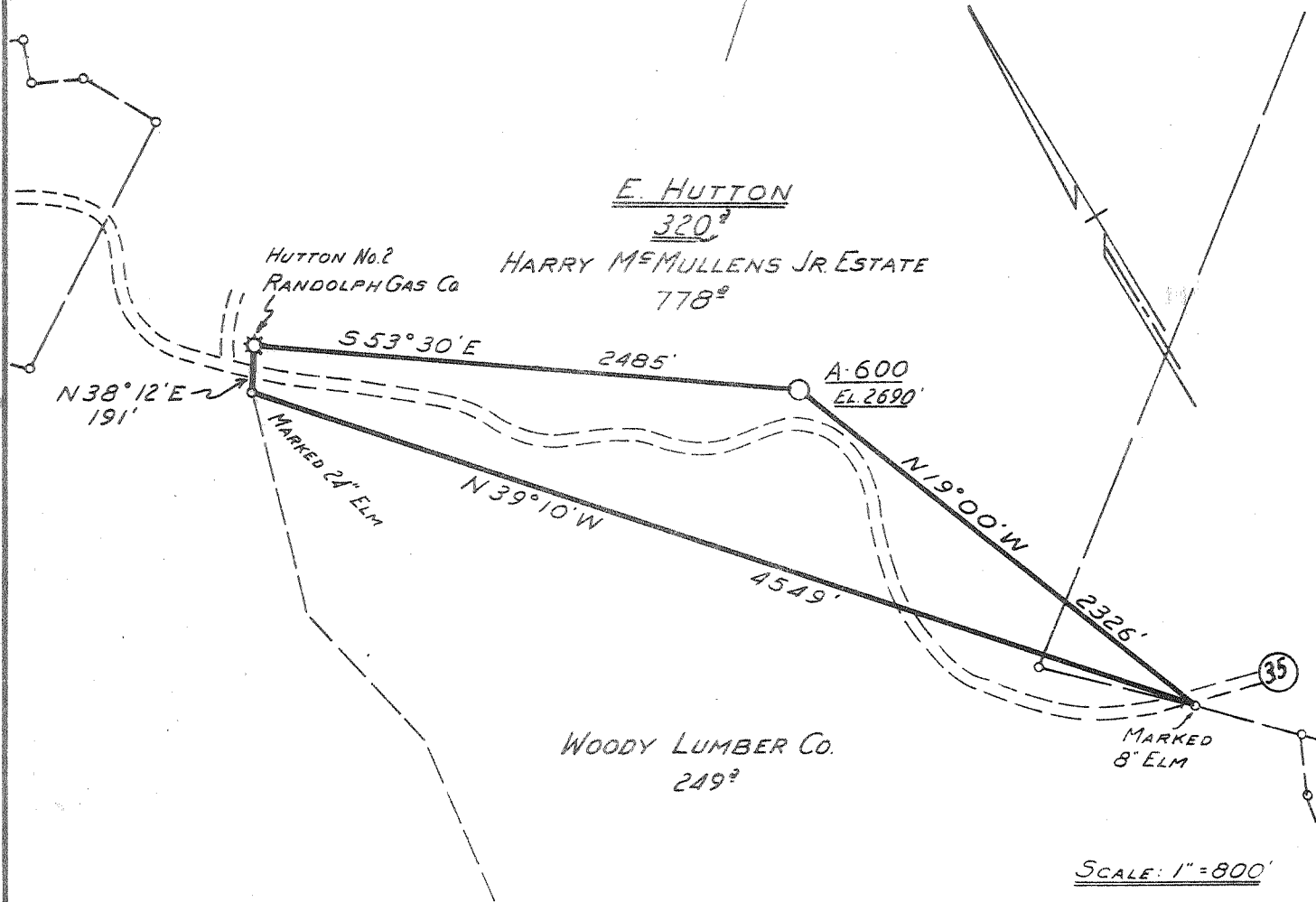


Latitude 38° 50'
 38 49 45
 80 00 25

Longitude 80° 00'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure ONE PART IN 200
 Source of Elevation B.M. NUMBER - K-280 - JCT. RT. 34 & 35 - ELEV. 2277

"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 ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W. VA. 26301
 Farm E. HUTTON, McMullan Est.
 Tract _____ Acres 320 Lease No. _____
 Well (Farm) No. _____ Serial No. A-600
 Elevation (Spirit Level) 2690'
 Quadrangle SAGO SE
 County RANDOLPH District MIDDLE FORK
 Engineer Daniel S. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 53 Drawing No. _____
 Date 6-10-76 Scale AS SHOWN ABOVE

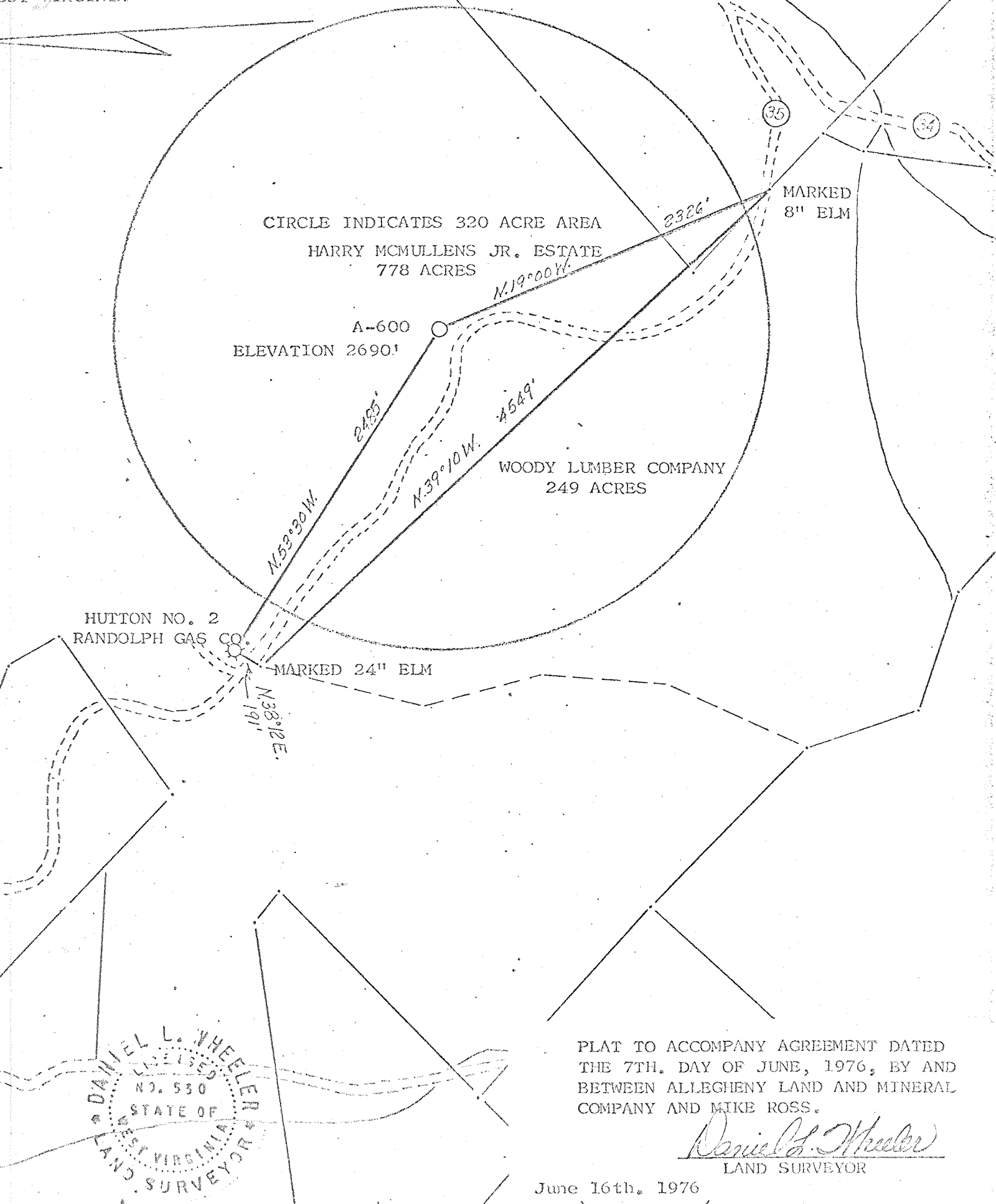
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. RAN-178

+ 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.

47-083

3-3 Cassidy (Arisk.) (295) Deep Well



CIRCLE INDICATES 320 ACRE AREA
HARRY MCMULLENS JR. ESTATE
778 ACRES

A-600
ELEVATION 2690'

WOODY LUMBER COMPANY
249 ACRES

HUTTON NO. 2
RANDOLPH GAS CO.

MARKED 24" ELM

MARKED
8" ELM

DANIEL L. WHEELER
NO. 530
STATE OF
WEST VIRGINIA
LAND SURVEYOR

PLAT TO ACCOMPANY AGREEMENT DATED
THE 7TH. DAY OF JUNE, 1976, BY AND
BETWEEN ALLEGHENY LAND AND MINERAL
COMPANY AND MIKE ROSS.

Daniel L. Wheeler
LAND SURVEYOR

June 16th. 1976



RECEIVED

OCT 15 1976

DEPARTMENT OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD ⁴

Quadrangle SAGO
Permit No. RAN-178

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

Company <u>Allegheny Land & Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1740, Clarksburg, WV</u>	Size			
Farm <u>E. Hutton</u> Acres <u>328 of 1187</u>	20-1/2	10'	10'	
Location (waters) <u>Three Fork Run</u>	Cond.			
Well No. <u>A-600</u> Elev. <u>2690'</u>	13-1/2"	547'	93'	Cement to surface
District <u>Middle Fork</u> County <u>Randolph</u>	9 5/8	875'	875'	" " "
The surface of tract is owned in fee by <u>Mrs. Neva S. McMullan, Exc. and Trustee, Harry McMullan Estate</u>	8 5/8			
Address <u>Rt. 5, Box 394, Washington, NC</u>	7			
Mineral rights are owned by <u>Ernest W. Hutton, 501 S. Ellison Lane, Waynesboro, VA</u>	5 1/2			
Drilling Commenced <u>June 2, 1976</u>	4 1/2	4900'	4900'	" " 4350'
Drilling Completed <u>July 20, 1976</u>	3			
Initial open flow <u>39,430</u> cu. ft. _____ bbls.	2			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.
Fractured by Dowell September 20, 1976
Final test: (Open flow - 622 MCF)
Rock Pressure - 1660# - 168 hrs.

Coal was encountered at Mined out Feet _____ Inches _____
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand (Elk) new deeper pay Depth 4774-4802'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay & Shale			0	17		
Coal & Black Slate			17	19		
Sand & Shale			19	518		
Mine Shaft *****			518	523		
Sand & Shale			523	1214		
Big Lime			1214	1304		
Injun Sand			1304	1456		
Sand & Shale			1456	2000		
Sand (Bayard 1991-2046)			2000	2018		
Sand & Shale			2018	2254		
Sand			2254	2268		
Sand & Shale (Benson 3613-65)			2268	4358		
Sand			4358	4428		
Sand & Shale			4428	4774		
Elk Sand			4774	4802		
Sand & Shale			4802	7921		
			total depth	7921		
						<u>PERFORATIONS:</u> <u>4787-97 - 15 shots</u>
						<u>Riley 3284-3545 - deepest pay</u>
						<u>7921</u> <u>3545</u> <u>4376</u> <u>explor. ft.</u>
						<u>PARTIAL ABANDONMENT (over)</u>

lower log tops:

Tully 7321-58
Marcellas 7436-7550
Onondaga 7550-7588
Hantou 7568-7740

Need more Oniskany 7740-55 (over)

* Indicates Electric Log tops in the remarks section.

Onisk 7755-78
Held 7778-TD

OCT 25 1976

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
<p>After logging, <u>all formations below Elk were found to be non-productive</u> and well was partially abandoned as follows:</p>						
						<p>Total depth drilled - 7921' Cement - 7921 - 7670' Aquagel - 7670 - 4900'</p> <p>Ran 4900' - 4$\frac{1}{2}$" Casing, cementing casing to 4350'. Filled with aquagel from 4350' to surface.</p>

Date October 13, 19 76

APPROVED Allegheny Land & Mineral Owner

By Claron Dawson, Supt.
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
JUN 17 1976
OIL & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE June 16th., 1976

Mrs. Neva S. McMullan, Executrix

Surface Owner and Trustee, Harry McMullan Est. Company Allegheny Land and Mineral Company

Address Route 5, Box 394, Washington, NC Address Clarksburg, WV 26301

Mineral Owner Ernest W. Hutton Farm E. Hutton Acres 1187 ^{320 of}

Address 501 S. Ellison Lane, Waynesboro, Va. Location (waters) Three Fork Run to Middle Fork R.

Coal Owner Harry McMullan, Estate, as above Well No. A-600 Elevation 2690'

Address _____ District Middle Fork County Randolph

Coal Operator none at present time Quadrangle SAGO

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved

drilling. This permit shall expire if

operations have not commenced by 10-25-76

INSPECTOR

TO BE NOTIFIED

Bill Hatfield

ADDRESS

P.O. Box 385, Buckhannon, W.Va.

PHONE

472-4268

Robert H. ...
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 see attached 19 by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

XX 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:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY ✓
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Allegheny Land and Mineral Co.

(Sign Name) By Paul ... Manager
Well Operator

Land - Lease and Right of Way
P. O. Box 1740

Street

Clarksburg

City or Town

West Virginia - 26301

State

*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.

RAN=178

PERMIT NUMBER

BLANKET BILL

47-083

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

PROPOSED WORK ORDER TO DRILL REPERM FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If known)

RESPONSIBLE AGENT:

NAME: Union Drilling, Inc.

NAME: Allegheny Land and Mineral Co.

ADDRESS: Buckhannon, WV 26201

ADDRESS: Clarksburg, WV 26301

TELEPHONE

TELEPHONE 623-6671

ESTIMATED DEPTH OF COMPLETED WELL: 8300'

ROTARY CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: Oriskany

TYPE OF WELL: OIL GAS COMB STORAGE DISPOSAL

RECYCLING WATER FLOOD OTHER

TEMPERATURE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CURC FT.
20 - 16			
13 - 10			
9 - 5/8	700'	700'	
XXXX	including a 13" liner filled with cement		
XXXX	between 9 5/8" and 13", set in cement		
XXXX	20' below the coal thence cemented to surface		
XXXX			
XXXX			
XX	4 1/2"	8300'	8300'
2	cemented to 300' above any gas pay.		
Perf. Top			
Perf. Bottom			
Perf. Top			
Perf. Bottom			

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