

Rework

- Fracture....
- Redrill.... 6/27/77
- New Location...
- Drill Deeper.....
- Abandonment.....

Source of Elevation Equitable Gas Co. well 5490 (Tyl-467-Red) Elev. 1164'

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.

Minimum accuracy, one part in 200

Company	<i>Equitrons Inc. 4468</i>		
Address	<i>1955 Stauntonville Pike, Pitts, PA. 15205</i>		
Farm	<i>Ora E. Pratt, RICHARD YOCUM</i>		
Tract	Acres	19	Lease No. 26221
Well (Farm) No.	Serial No.	5504	
Elevation (Spirit Level)	1137		
Quadrangle	<i>West Union SE 2 1577.5</i>		
County	<i>Tyler</i>		
Engineer	<i>R. D. McWilliams</i>		
Engineer's Registration No.	L.L.S.No. 105		
File No.	222-C/56	Drawing No.	
Date	4/6/77	Scale	1" = 200'

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

WELL LOCATION MAP
FILE NO. TYL-484-RED

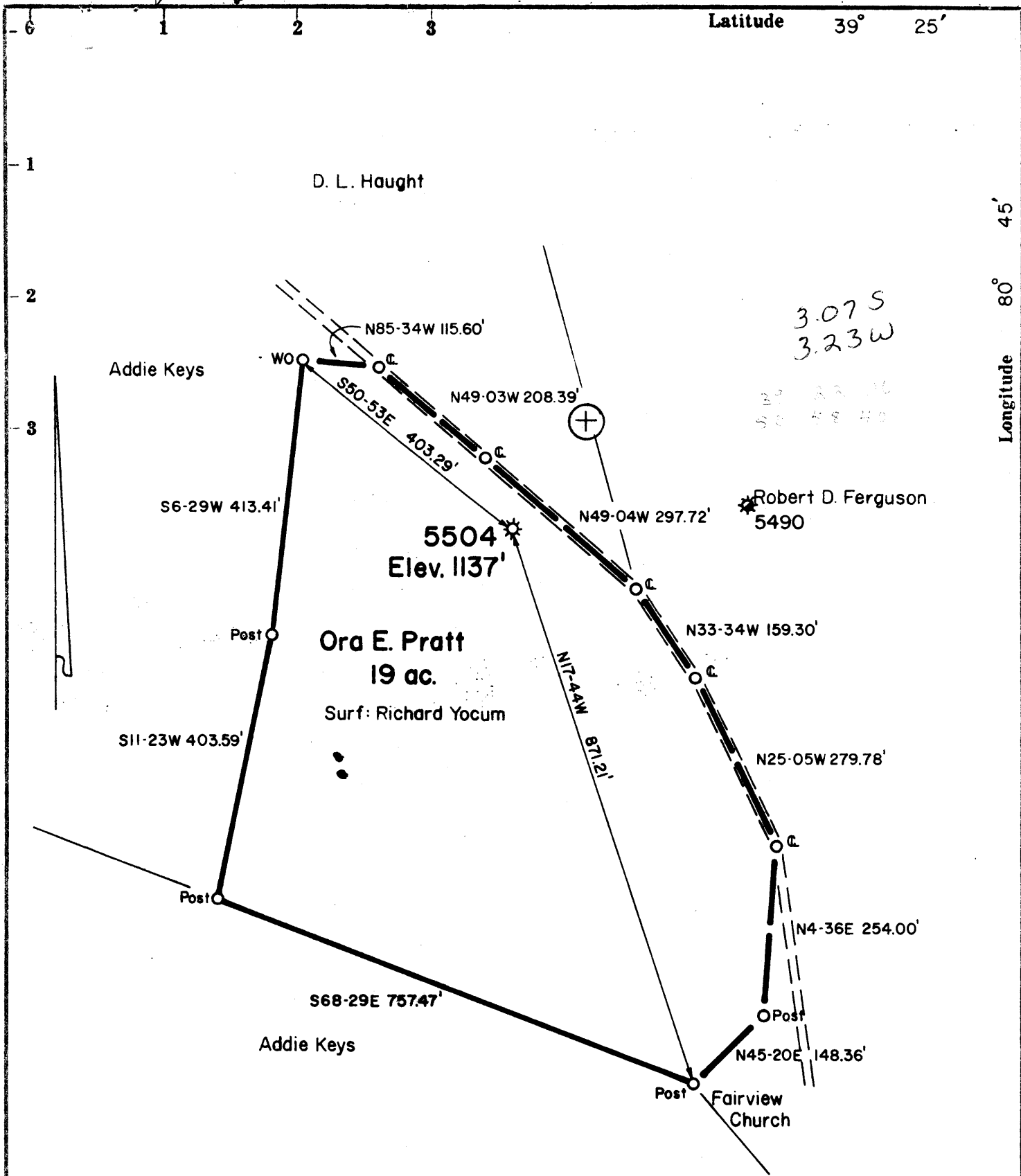
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

JUN 16 1989

47-095

2095' Beg. by W.D. 90 Wilbur (192)



- Fracture...
- Redrill... 6/27/77
- New Location...
- Drill Deeper...
- Abandonment...

Source of Elevation Equitable Gas Co. well 5490 (Tyl-467-Red) Elev. 1164'

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.

Minimum accuracy, one part in 200

Company	Equitable Gas Company		
Address	Pittsburgh, Pa 15219		
Farm	Ora E. Pratt, RICHARD YOCUM		
Tract	Acres	19	Lease No. 26221
Well (Farm) No.	Serial No.	5504	
Elevation (Spirit Level)	1137		
Quadrangle	West Union SE 21 EC		
County	Tyler District McElroy		
Engineer	R. S. Williams		
Engineer's Registration No.	L.L.S.No. 105		
File No.	222-C/56	Drawing No.	
Date	4/6/77	Scale	1"=200'

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

WELL LOCATION MAP
 FILE NO. TYL-484-RED

+ 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.

47-095

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: VOKUM, RICHARD Operator Well No.: 5504

LOCATION: Elevation: 1137.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 995 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 5360 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EQUITRANS, INC.
4955 STEUBENVILLE PIKE
PITTSBURGH, PA 15205-4955

Agent: GARY A. HOY, DIVISION MGR.

Inspector: GLEN P. ROBINSON
Permit Issued: 06/08/89
Well work Commenced: 07/10/89
Well work Completed: 08/11/89

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2226'
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	1985	1985	500 Sx To Surface
4 1/2"	2202	2202	161 Ft ³
RECEIVED JAN 11 1990			

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 2084
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EQUITRANS, INC.

By: [Signature] PRESIDENT
Date: _____

JAN 16 1990

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Pittsburgh Coal	750	753	
Gas Sand	1262	1288	
Gas Sand	1548	1828	
Maxton	1872	1904	
Little Lime	1940	1964	
Big Lime	1980	2004	
Big Injun	2048	2192	Perforated Interval: 2084' to 2099'
TD:		2226	

RECEIVED
JAN 11 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Perforated Interval:
2084' to 2099'

[Faint, illegible stamp or text]

8967



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD

RECEIVED
AUG 18 1977
OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle West Union SE 2.1

Permit No. TYL-484-RED

Company <u>Equitable Gas</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Pittsburgh, Pa. 15219</u>	Size			
Farm <u>Ora E. Pratt</u> Acres <u>19</u>	20-16			
Location (waters) <u>Camp Mistake Run</u>	Cond.			
Well No. <u>5504</u> Elev. <u>1137</u>	13-10"			
District <u>McElroy</u> County <u>Tyler</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8 Old	1288	941	
<u>Richard Yocum</u> 26241	7	1985	1985	500 sks. to surf
Address <u>19608 Westerly, Poolesville, MD</u>	5 1/2			
Mineral rights are owned by <u>John W. Trahern</u>	4 1/2			
Address <u>Elkins, W.VA. 26241</u>	3-1/2	2043	2043	H.W.Pkr. @ 2043
Re- Drilling Commenced <u>6-27-77</u>	2			
Re- Drilling Completed <u>7-20-77</u>	Liners Used			
Initial open flow _____ cu. ft. _____ bbls.				
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Coal was encountered at 750-53 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal (Driller)			750	753		
Big Dunkard Sand			1212	1234		
Gas Sand			1262	1288		
Salt Sand			1548	1828		
Maxon Sand			1872	1904		
Little Lime			1940	1964		
Big Lime			1980	2044		
Big Injun			2048	2192	Gas	2061-64
Weir Sand			2350	2450		
Redrilled to				2725		
Cement Plug Back to				2076		
Completed Total Depth				2076		

Note: Gamma Log from surface to 2076. All measurement of pipe, formation, etc. taken from K.B. 6' above permanent datum.

(over)

* Indicates Electric Log tops in the remarks section.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Equitrans, Inc. 16/60, 5, 670
- 2) Operator's Well Number: 5504 3) Elevation: 1137
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Big Injun 371
- 6) Proposed Total Depth: 2226 feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: _____
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Redrill approximately 150' of cemented well bore and cement approximately 2226' of 4 1/2" casing.
- 12) Running 4 1/2" well rule 38CSR18-11.1

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water						
Coal	8-5/8"	Existing		1288'	1288'	
Intermediate	7"	Existing	OK.	1985'	1985'	505Ks to surface.
Production	3-1/2"	Existing	full	2043'	2043'	H.W.P.R. 2043
Tubing	4 1/2"	Existing		2226'	2226'	38CSR18-11.1
Liners						

RECEIVED
MAY 22 1989

PACKERS : Kind HW
Sizes 3-1/2" x 6-5/8"
Depths set 2043'

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

8050

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Soblenet 5M Agent
(Type)

RECEIVED

MAY 22 1989

Page 1 of 2
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Operator's well number
5504

Well No: 47 - 095 - 0484 - Rev
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Richard Vokum
Address 19608 Westerly Ave.
Poolsville, MD 20837
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name John Trahern
Address 914 S. Henry St.
Elkins, WV 26245
 - Name Nellie Fleming
Address 104 James St.
West Union, WV 26456
- 6) Inspector Glen P. Robinson
Address Rt. 1, #6 Mt. Pleasant East
Mineralwells, WV 26150
Telephone (304)- 489-9162
- ~~Coal Lessee with Declaration~~
 - Name Charles Pratt
Address Rt. 2
Bristol, WV 26332

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Equitrans, Inc.
 By: [Signature]
 Its: President
 Address 4955 Staubenville Pike
Pittsburgh, PA 15205
 Telephone 412-788-6066

Subscribed and sworn before me this 27th day of April, 19 89

My commission expires _____

ARLENE M. CUBAKOVIC, NOTARY PUBLIC
 ROBINSON, WV, ALLEGHENY COUNTY
 MY COMMISSION EXPIRES SEPT. 7, 1992

Member, Pennsylvania Association of Notaries



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUN 27 1977
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 27, 1977
Company Equitable Gas Company
Address Pittsburgh, PA 15219
Farm Ora E. Pratt Acres 19
Location (waters) Camp Mistake Run
Well No. 5504 Elevation 1137
District McElroy County Tyler
Quadrangle West Union SE 2¹

Surface Owner Richard Yocum
Address 19608 Westerly, Poolesville, MD 20837
Mineral Owner John W. Trahern
Address 914 S. Henry, Elkins, W. Va. 26241
Coal Owner Same as mineral owner
Address _____
Coal Operator _____
Address _____

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 10-~~30~~²⁷-77.

INSPECTOR TO BE NOTIFIED Phillip Tracy
ADDRESS Middlebourn, W. Va.
PHONE 758-4573

[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 February 22 1973 by Ora E. Pratt made to Equitable Gas Company and recorded on the 1st day of December 1973, in Tyler County, Book 200 Page 38

NEW WELL DRILL DEEPER XX 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.

Very truly yours, S. M. Linger
(Sign Name) Equitable Gas Company
Well Operator

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

420 Blvd. of the Allies
Street
Pittsburgh
City or Town
Pennsylvania 15219
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.

BLANKET BOND

TYL-484-RED. PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-095

Signed by S. M. Linger

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

PROPOSED WORK ORDER TO X RE DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glenn L. Haught & Sons NAME H. E. Gardner
 ADDRESS Smithfield, West Virginia ADDRESS P.O. Box 1550, Clarksburg, W. Va.
 TELEPHONE (304) 477-2222 TELEPHONE 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 2095 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE XX 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			
8 - 5/8			
7	2013	2013	Cement to surface
5 1/2			
4 1/2			
3 1/2	2030	2030	Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 750-753
 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