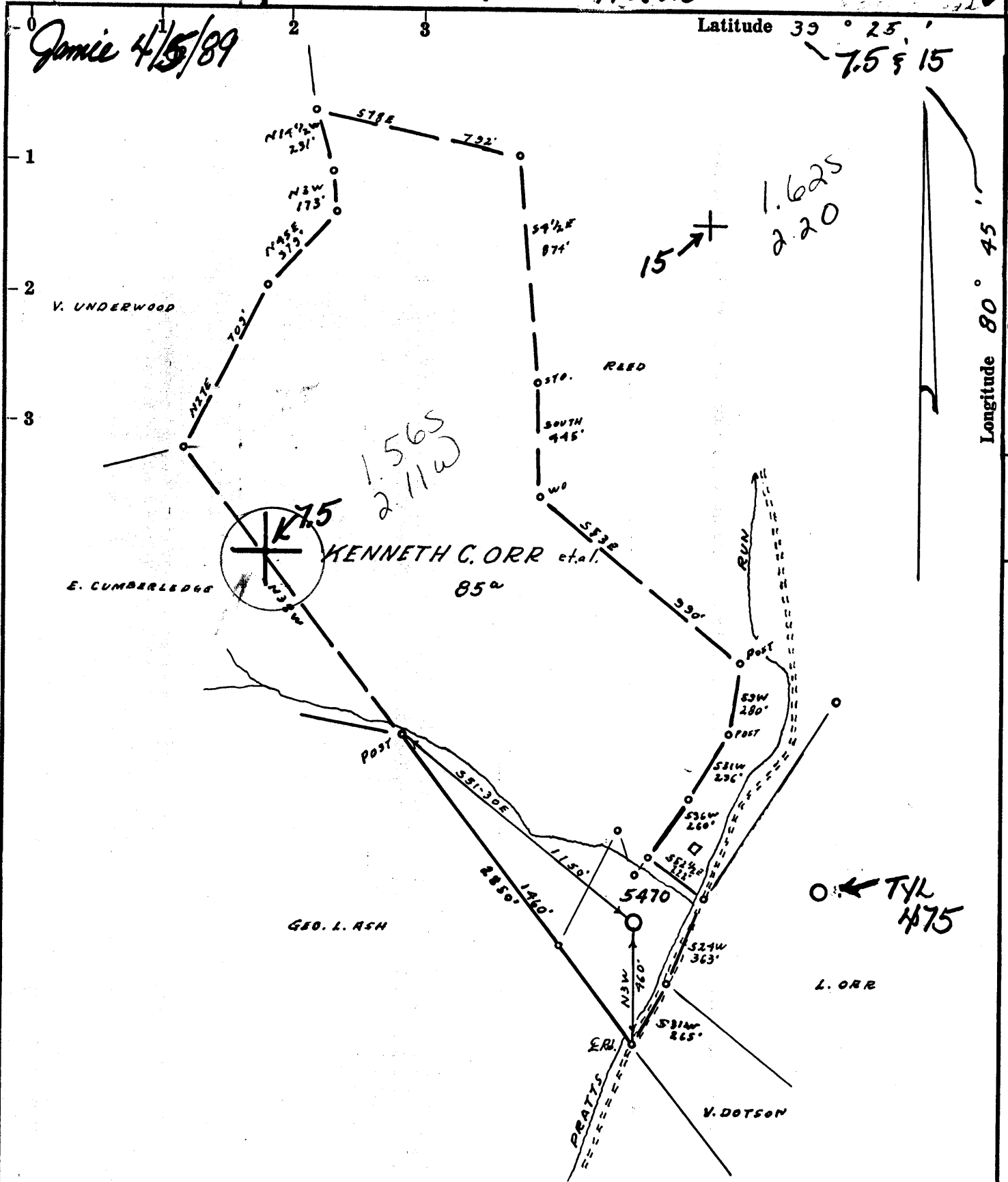


11220

Janice 4/5/89

Latitude 39° 25' 7.5" N
Longitude 80° 45' 15" W



- Fracture....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation BM. MOUTH PRATTS RUN, ELEV. 731'

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: Equitrans, Inc. 4468

Address: 11055 Steubenville Pike, Pittsburgh, PA 15205

Farm: KENNETH C. ORR et al.

Tract _____ Acres 85 Lease No. 25813

Well (Farm) No. 1 Serial No. 5470

Elevation (Spirit Level) 807' 133

Quadrangle WEST UNION NE 4 1/2 15 / SHIRLEY 7.5

County TYLER District M'ELROY'S

Engineer R. S. McWilliams

Engineer's Registration No. 105 L.L.S.

File No. 222/40 Drawing No. _____

Date 8-17-72 Scale 1" = 500'

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

WELL LOCATION MAP

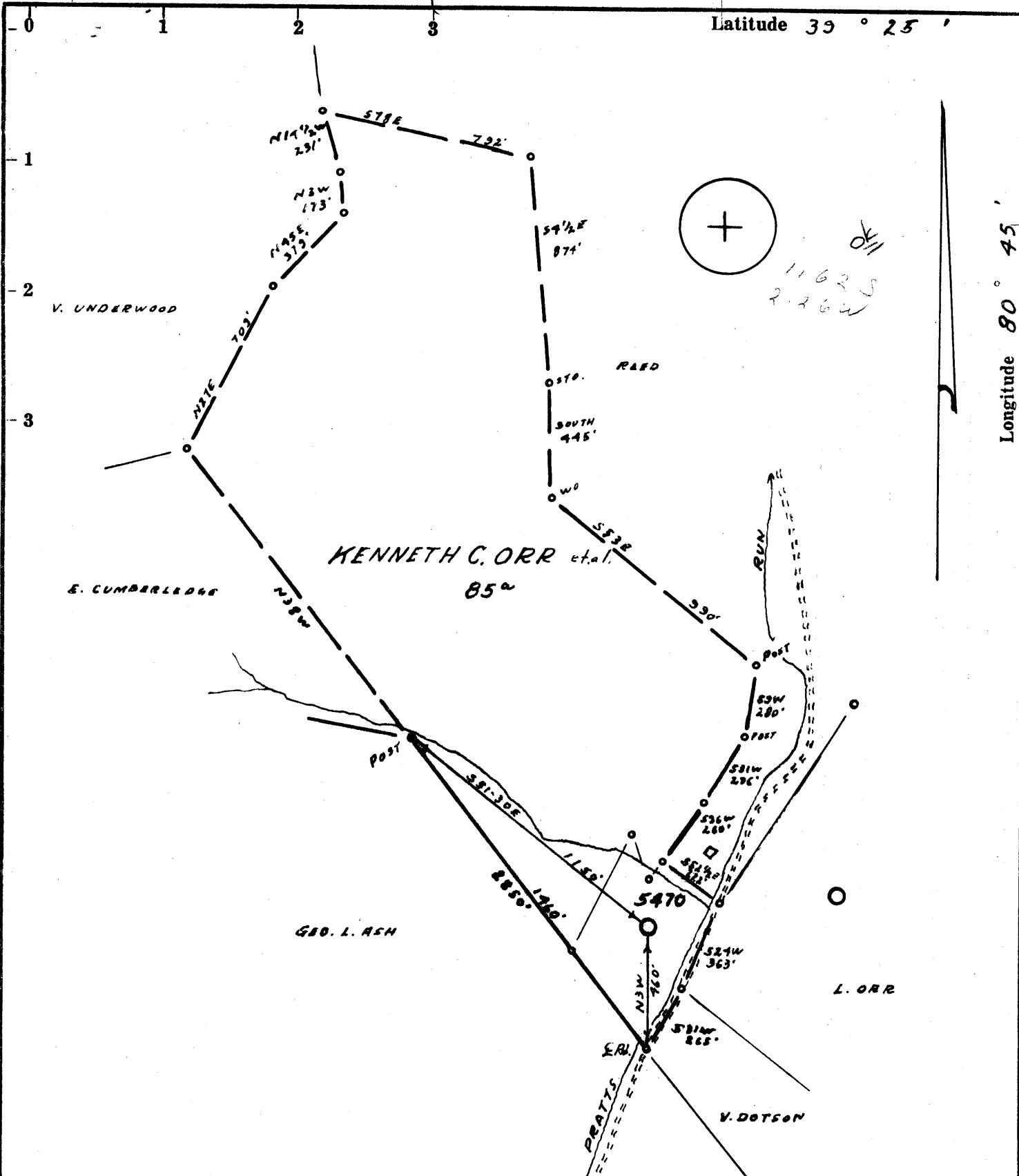
FILE NO. TYL-446-RED
47-095

6 + 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 original tracing.

APR 07 1989

OWWD 9-0 Wilbur (092)



- Fracture.....
- Redrill.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Source of Elevation BM. MOUTH PRATTS RUN, ELEV. 731'

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 CO. WVA DIV.		
Address	PITTSBURGH, PA. 15219		
Farm	KENNETH C. ORR et al.		
Tract	Acres	Lease No.	25813
Well (Farm) No.	1	Serial No.	5470
Elevation (Spirit Level)	807'		
Quadrangle	WEST UNION NE EC		
County	TYLER District M'ELROY		
Engineer	P. J. McMillan		
Engineer's Registration No.	105 L.L.S.		
File No.	222/40	Drawing No.	
Date	8-17-72	Scale	1" = 500'

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

WELL LOCATION MAP
 FILE NO. TYL-446-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.

owwo 9-0 Wilbur (92)

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

Well Operator's Report of Well Work

Farm name: ORR, ESTA, AGENT Operator Well No.: GSW 5470

LOCATION: Elevation: 807.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 8300 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 11220 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: GARY A. HOY, DIVISION MGR.

Inspector: GLEN P. ROBINSON
Permit Issued: 04/06/89
Well work Commenced: 5/4/89
Well work Completed: 9/26/89
Verbal Plugging _____
Permission granted on: _____
Rotary ~~xx~~ Cable _____ Rig _____
Total Depth (feet) 1899
Fresh water depths (ft) _____

Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"		1264'	1264' to Surface
5 1/2"		1742'	1742 to 1030
3 1/2"		1899'	1899 to 1030
1 1/2"		1843'	on packer set @ 1808

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1772'
Gas: Initial open flow 330 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 130 psig (surface pressure) after 24 Hours

Second producing formation Big Injun Pay zone depth (ft) 1823'
Gas: Initial open flow 184 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 130 psig (surface pressure) after 24 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 1989

095-440W

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
PITTSBURGH COAL	436	439	
GAS SAND	944	988	
SALT SAND	1062	1507	
MAXTON SAND	1545	1564	
LITTLE LIME	1648	1670	
BIG LIME	1682	1738	
BIG INJUN	1742		
			PERFORATED INTERVALS: 1775 to 1790
			&
			1829 to 1844
T.D.	1899		

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JAN 11 1890

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

2278



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JUL 27 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle West Union NE 4.3

Permit No. TYL-446-RED

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

Company Equitable Gas 15419
Address 420 Blvd. of Allies, Pgh. Pa.
Farm Kenneth C. Orr Acres 85
Location (waters) Pratt Run
Well No. 5470 Elev. 807
District McElory County Tyler
The surface of tract is owned in fee by _____
Esta Orr, Agent
Address Alma, W. Va. 26320
Mineral rights are owned by Same as surface
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	1264	1264	730 sks. to surface.
8 5/8			
7			
5 1/2	1742	1742	130 sks. to 1030, gel t surface
4 1/2			
3			
2			
Liners Used			

re- Drilling Commenced 11-13-72
re- Drilling Completed 7-16-73
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 436-439 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Storage Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			436	439		Driller Est. 1682 807 875
Gas Sand			944	988		
Salt Sand			1062	1507		
Maxton Sand			1545	1564		
Little Lime			1648	1670		
Big Lime			1682	1738		
Big Injun Sand			1742	1910		
Weir Sand			2062	2148		
Redrilled to				2475		
Cement Plug Back to				1790		
Completed Total Depth				1790		

Note: Gamma Ray Survey from surface to 2475.

(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. 16160, 606
- 2) Operator's Well Number: 5470 3) Elevation: 799
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Big Injun
- 6) Proposed Total Depth: 1900 feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: 436-439
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Clean out 134' of cement from 1766' to 1900' and install 1900' of new 3 1/2" tubing
- 12)

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	9-5/8"			1264	1264	730 Sk. to surface
Intermediate						
Production	5-1/2"			1742	1742	130 Sk. to 1030'
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

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MAR 20 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

(Type)

D.Y.J.

6013

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MAR 20 1989

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: February 27, 1989
2) Operator's well number
GSW 5470
3) API Well No: 47 - 095 - 446-Rework
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 Esta Orr, Agent
Address Alma, WV 26320
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name Esta Orr, Agent
Address Alma, WV 26320
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Glen P. Robinson
Address Rt. 1, #6 Mt. Pleasant Est.
Mineralwells, WV 26150
Telephone (304)-489-9162

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 Steubenville Pike
Pittsburgh, PA 15205
Telephone (412) 788-6066



Subscribed and sworn before me this 27th day of February, 1989
Wilhelmina B. Speicher
My commission expires March 23, 1992

Notarial Seal
Wilhelmina B. Speicher, Notary Public
Pittsburgh, Allegheny County, PA
My Commission Expires March 23, 1992
Member, Pennsylvania Association of Notaries



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
AUG 25 1972
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Esta Orr, Agent
Address Alma, W. Va. 26320
Mineral Owner Same as above
Address _____
Coal Owner Same as above
Address _____
Coal Operator _____
Address _____

DATE August 22, 1972
Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Kenneth C. Orr Acres 85
Location (waters) Pratt Run
Well No. 5470 Elevation 807
District McElroy County Tyler
Quadrangle West Union NE 4.3

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 re-drilling. This permit shall expire if operations have not commenced by 12-25-72

Robert J. Jorda
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Arthur Null
Hundred, W. Va. PH: 775-5611

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 July 7 1965 by Kenneth C. Orr, et al made to Equitable Gas Co. and recorded on the 27th day of April 1966, in Tyler County, Book 172 Page 12

_____ 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 Co.
Well Operator

Address
of
Well Operator

420 Blvd. of the Allies
Street
Pittsburgh
City or Town
Pa. 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-446-REDRILL PERMIT NUMBER

Survey

**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 _____ NAME H. E. Gardener, Div. Supt.
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W.Va. 2630
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 1800 ROTARY XX 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			
18 - 10	315	315	Cem. to surface
9 - 5/8			
8 - 5/8	1285	1285	Cem. to surface
7			
5 1/2	1766	1766	Cem. to 1085
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS No mineable coal _____
 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