

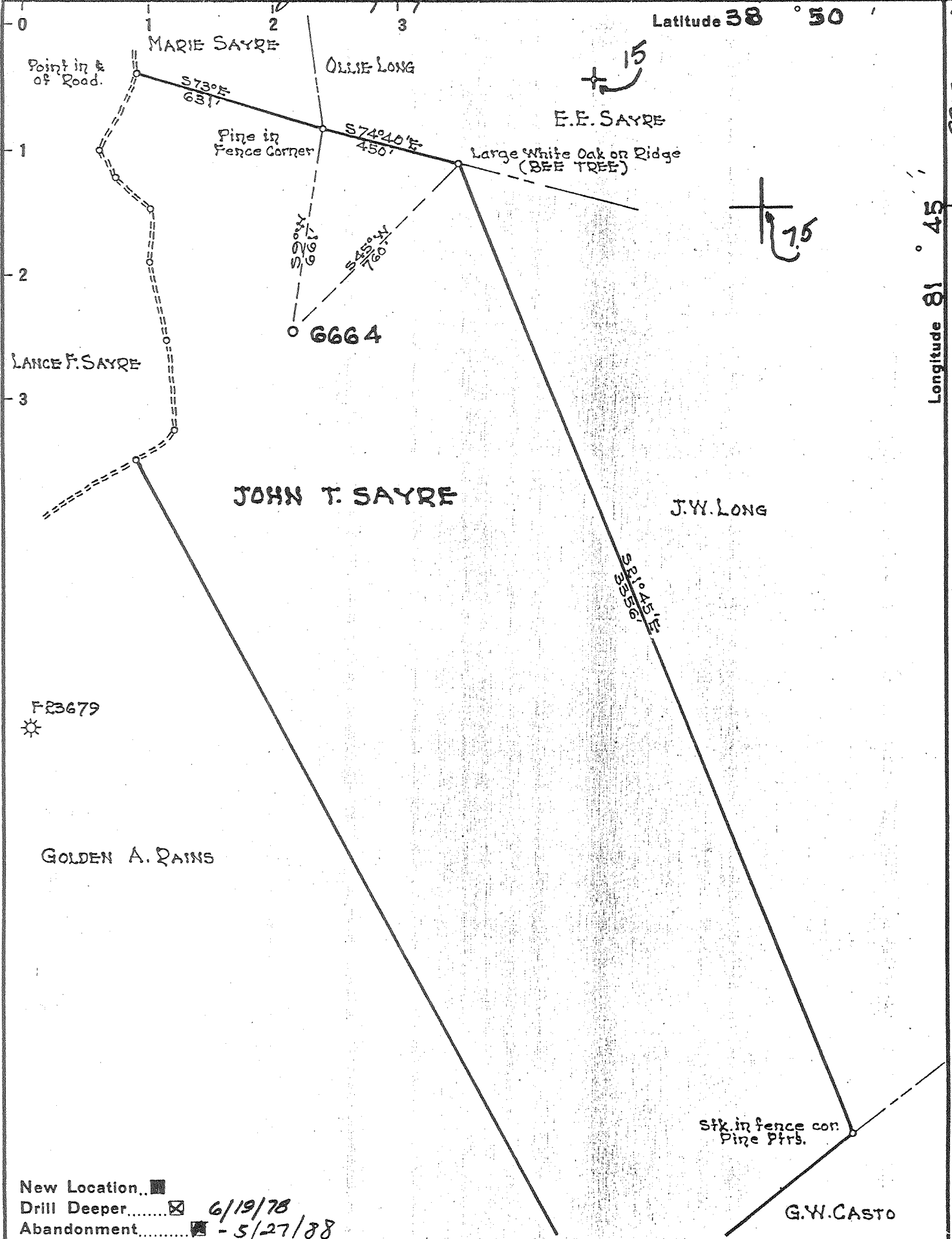
Janie 5/25/88

2900

Latitude 38° 50'

Longitude 81° 45'

3300



F23679

GOLDEN A. RAINS

New Location..

Drill Deeper..... 6/19/78

Abandonment..... - 5/27/88

Company COLUMBIA GAS TRANS. CORP

Address CHARLESTON, W.VA.

Farm James S. & Mona Kessell

Tract Acres 106. Lease No. 47988

Well (Farm) No. 1 Serial No. 6664

Elevation (Spirit Level) 756.92

Quadrangle RAVENSWOOD/5

County JACKSON District UNION

Engineer L.H. Moore

Engineer's Registration No. 662

File No. 52-91 Drawing No.

Date 11-16-50 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. JAC-790-DD -

Cottagewille 7.5 Pugging Cancelled

+ 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.

47-035

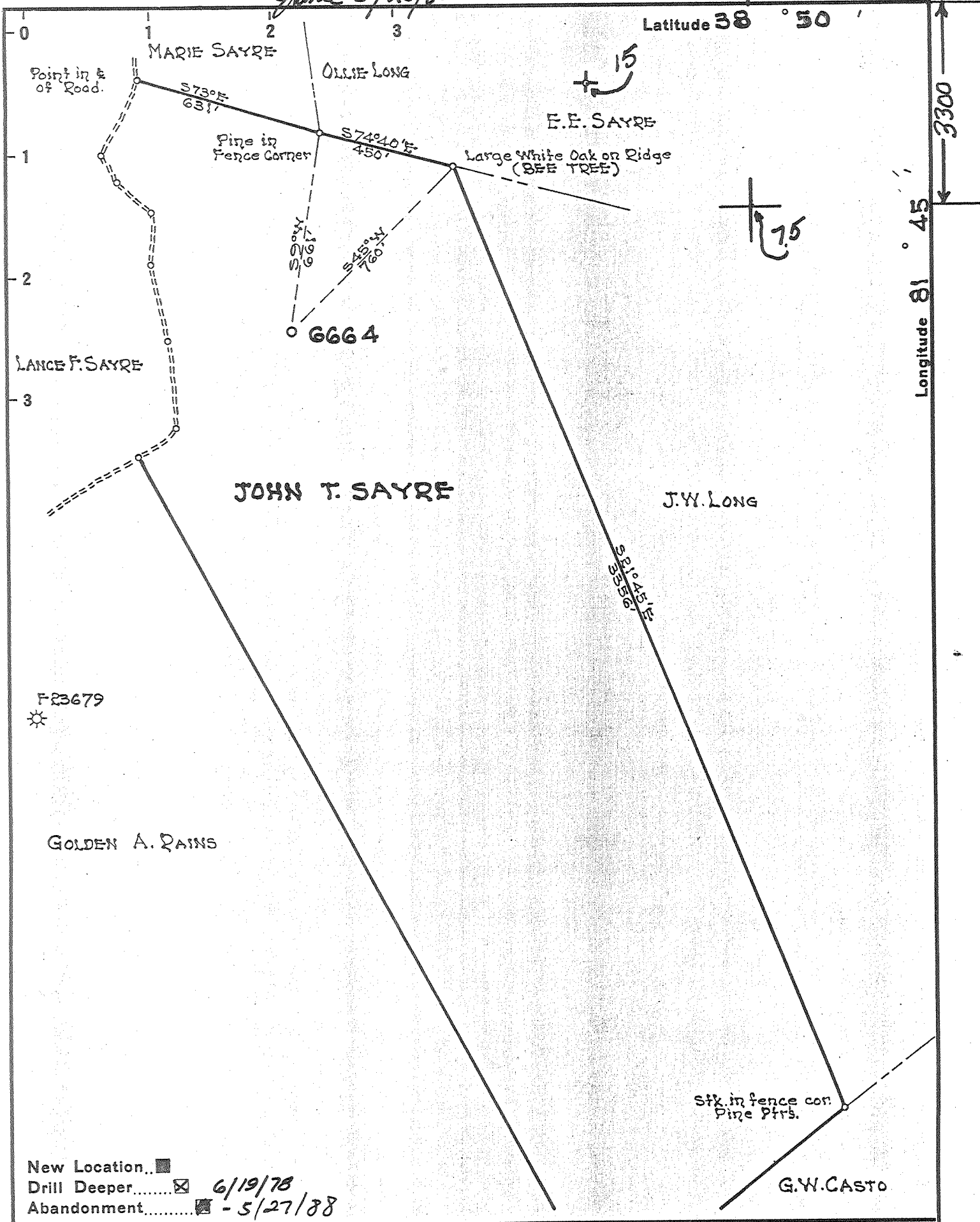
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Latitude 38° 50'

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Date 11-16-50 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. JAC-790-DD-P

Cottagville 7.5

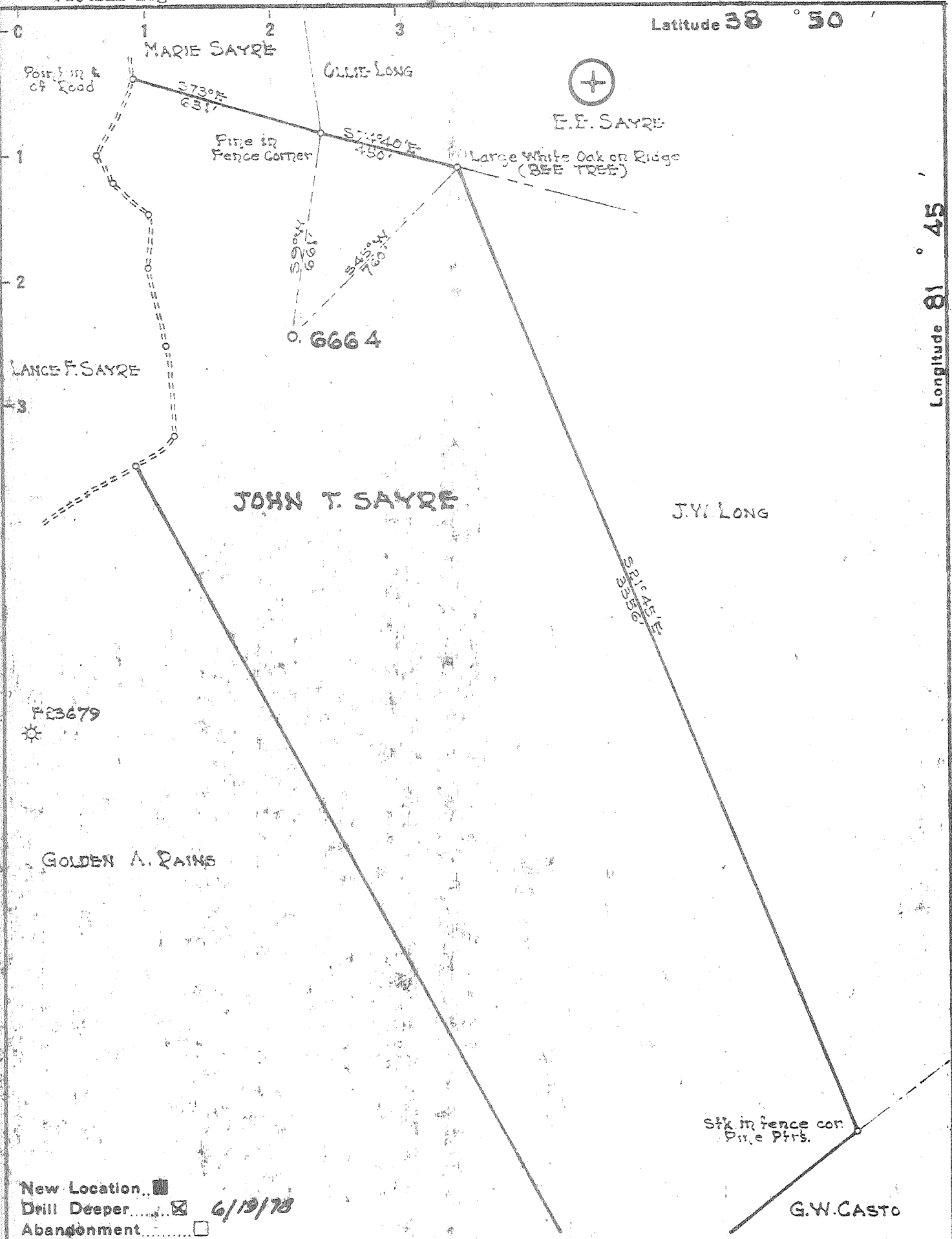
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MAY 27 1988

47-035

4600' Crispant



New Location
 Drill Deeper 6/19/78
 Abandonment

Company COLUMBIA GAS TRANS. CORP
 Address CHARLESTON, W.VA.
 Farm JOHN T. SAYRE
 Tract _____ Acres 106. Lease No. 47988
 Well (Farm) No. 1 Serial No. 6664
 Elevation (Spirit Level) 756.92
 Quadrangle RAVENSWOOD SE
 County JACKSON District UNION
 Engineer _____
 Engineer's Registration No. 662
 File No. 52-91 Drawing No. _____
 Date 11-16-50 Scale 1" = 400'

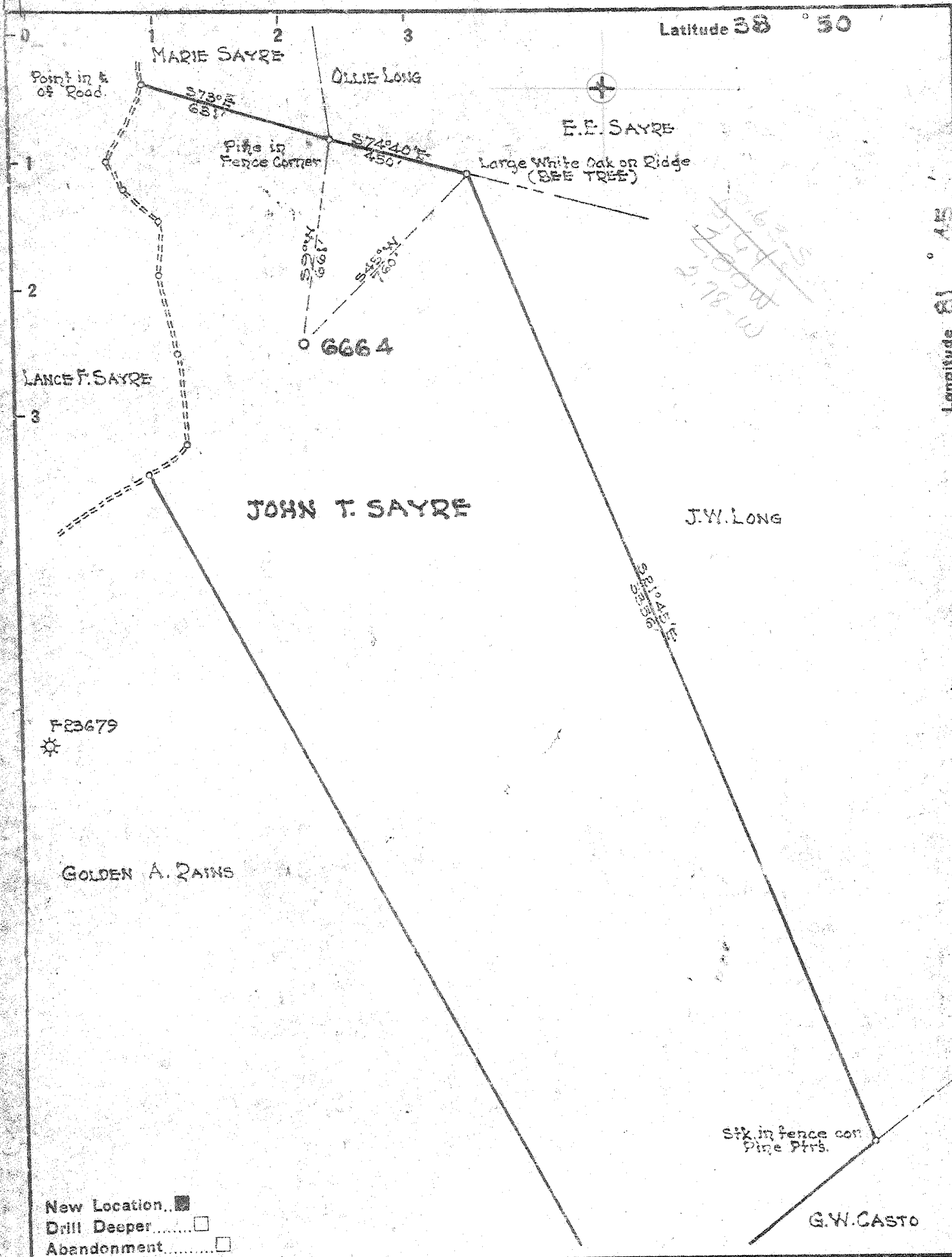
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. JAC-790-DD

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47-035

140' DEEP WELL 3-0 (0)



New Location...
 Drill Deeper.....
 Abandonment.....

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W.VA.
 Farm JOHN T. SAYRE
 Tract _____ Acres 106. Lease No. 47988
 Well (Farm) No. 1 Serial No. 6664
 Elevation (Spirit Level) 756.92
 Quadrangle RAYESWOOD SE
 County JACKSON District UNION
 Engineer _____
 Engineer's Registration No. 662
 File No. 52-91 Drawing No. _____
 Date 11-16-50 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. 100-790

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Jac-790
Ravenswood Quad.

Gas Well

Casing & Tubing

Company	United Fuel Gas Co.				
Address	P. O. Box 1273, Charleston 25, W.Va.		13-3/8	395	395
Farm	John T. Sayre Acres 106		10-3/4	1215	1215
Location	Big Mill Cr.		8-5/8	2018	2018
Well No. 6664	Elev. 756.92		7	2400	2400
District	Union County Jackson				
Mineral	J. T. Sayre				
Commenced	11/11/50				
Completed	1/27/51				
Shot	1/30/51 from 3485 to 3965 With 5000# Gel				
Open Flow	27/10ths water in 1 inch.				
Volume	55 M Shale				
Fresh water	60, 1130, 1170				
Salt water	1720, 1865				
Soil	0	5	Slate	1325	1400
Red Rock	5	55	Lime	1400	1430
Shell	55	60	Slate	1430	1475
Lime	60	80	Black Lime	1475	1490
Red Rock	80	160	Slate	1490	1612
Blue Rock	160	215	Gray Lime	1612	1620
White Sand	215	300	Slate	1620	1665
Blue Rock	300	315	Black Lime	1665	1670
Red Rock	315	325	Salt Sand	1670	1725
White Sand	325	345	Black Slate	1725	1735
Red Rock	345	360	Black Lime-Lime?	1735	1755
White Slate	360	370	Break - P. Cave?	1755	1758
Red Rock	370	535	Big Lime? 3340	1758	1854
Lime	535	550	Slate	1854	1857 show gas 1860
Red Rock	550	570	Sand - Injun	1857	1990
Lime	570	595	Slate	1990	1993
White Slate	595	600	Lime	1993	2150
White Lime	600	630	Slate	2150	2346
Red Rock	630	650	Sand - Berea	2346	2366 Berea
White Slate	650	695	Lime	2366	2700
Red Rock	695	730	Slate & shs.	2700	3000
Gray Lime	730	750	White slate	3000	3050
Red Rock	750	800	Lime	3050	3100
Lime	800	888	Slate & shs.	3100	3488 show gas 3490'
Pink Rock	888	894	Brown shale - 441	3488	3580 show gas 3525
Slate	894	915	Slate & shs.	3580	3750
Sand	915	920	Brown shale	3750	3826 show gas 3760
Red Rock	920	930	Slate	3826	3846
Gray Lime	930	945	Brown Shale	3846	3950 show gas 3885
Blue Slate	945	974	Total Depth		3965'
Lime	974	980			
Slate	980	1070			
White Sand	1070	1190	Gas 3920 6/10 W 1/2" 6 M		
Black Slate	1190	1220	Gas 3948 1/10 W 1" 11 M		
Broken Sand	1220	1236			
Slate	1236	1245			
Sand	1245	1325			

8/3

Test before shot 6/10 W 1/2" 6 M. Shot 1/30/51 with 5000# Hercules Gelatin from 3485-3965. Test 1 hr. after shot 46/10 W 2" 286 M. Test 18 hrs. after shot 27/10 W 1" 55 M.

FINAL OPEN FLOW: 55 M - Shale

Shut in 1/31/51 in 7" casing.

RECEIVED

MAR 15 1979

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES

- Spudder
- Cable Tools
- Storage

ply
 (KIND)

Quadrangle Ravenswood

Permit No. JAC-790-DD 035

WELL RECORD

Company Columbia Gas Trans. Corp.
 Address Clendenin, W. Va.
 Farm John T. Sayre Acres 106
 Location (waters) Big Mill Creek
 Well No. 6664-DD Elev. 756.92
 District Union County Jackson
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by J. Marshall Sayre
 Address Columbus, Ohio
 Drilling commenced July 7, 1978
 Drilling completed July 20, 1978
 Date Shot _____ From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs _____ hrs.
 Oil _____ bbls. 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4 7"		2400	Depth set
6 3/8			
5 3/16			
4 1/2			
3			Perf. top
2 - 3/8"		3985.80'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
 CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 Amount of cement used (bags) _____
 Name of Service Co. _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
 ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
 Fresh Water _____ Feet Salt Water _____ Feet
 Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
7"	Casing to	2400 Feet					
Shale			3165	4525			
Line			4525	4612			
Oriskany	Sd.		4612	4630	Oil Show		
Line			4630	4685			
				4685			
				3965			
				920 - DD temp log.			

APR 10 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 15 1978

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 8, 1978

Surface Owner _____
Address _____
Mineral Owner J. Marshall Sayre
Address 3871 Clearview Av, Columbus, OH
Coal Owner Same as above
Address _____
Coal Operator Not Operated
Address _____

Company Columbia Gas Transmission Corporation
Address P.O. Box 1273, Charleston, WV
Farm John T. Sayre Acres 106
Location (waters) Big Mill Creek
Well No. 6664 Elevation 756.92
District Union County Jackson
Quadrangle Ravenswood

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 deepening. This permit shall expire if
operations have not commenced by 10-19-78.

INSPECTOR
TO BE NOTIFIED Richard Morris
ADDRESS P.O. Box 372, Grantsville, WV 26147
PHONE 354-7259

Robert L. Todd
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 March 30 1950 by J.T. Sayre made to United Fuel Gas Co. and recorded on the 21st day of April 1950, in Jackson County, Book 75 Page 285

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:

Very truly yours,
(Sign Name) [Signature]
Well Operator
Director, Exploration & Development
P.O. Box 1273
Street
Charleston,
City or Town
West Virginia
State

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

Address
of
Well Operator

*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

JAC - 790 -DD PERMIT NUMBER

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

PROPOSED WORK ORDER TO _____ DRILL DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Larry Friend
 ADDRESS _____ ADDRESS P.O.Box 610, Clendenin, WV
 TELEPHONE _____ TELEPHONE 965-3317
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENTED UP OR SACKS - CUBIC FT
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2	4600'		
3			Perf. Top
2			Perf. Bottom
1 liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS _____

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