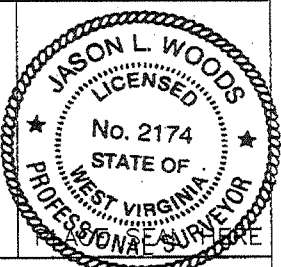


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 10-100-044  
 DRAWING No. 10-100-044  
 SCALE 1"=200'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TRIMBLE PRO XH GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.  
 (SIGNED) [Signature]  
 JASON L. WOODS PS #2174



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 NITRO, WV

DATE JULY 28 20 10  
 OPERATOR'S WELL No. 7307  
 API WELL No. 47 035 - 00537

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  STATE 47 COUNTY 035 PERMIT 00537  
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 826 WATER SHED SANDY CREEK  
 DISTRICT RIPLEY COUNTY JACKSON  
 QUADRANGLE RIPLEY

SURFACE OWNER BOBBY KEITH ADKINS ACREAGE 8.42  
 OIL & GAS ROYALTY OWNER J.T. THOMAS et al LEASE ACREAGE 33  
 LEASE No. 52251

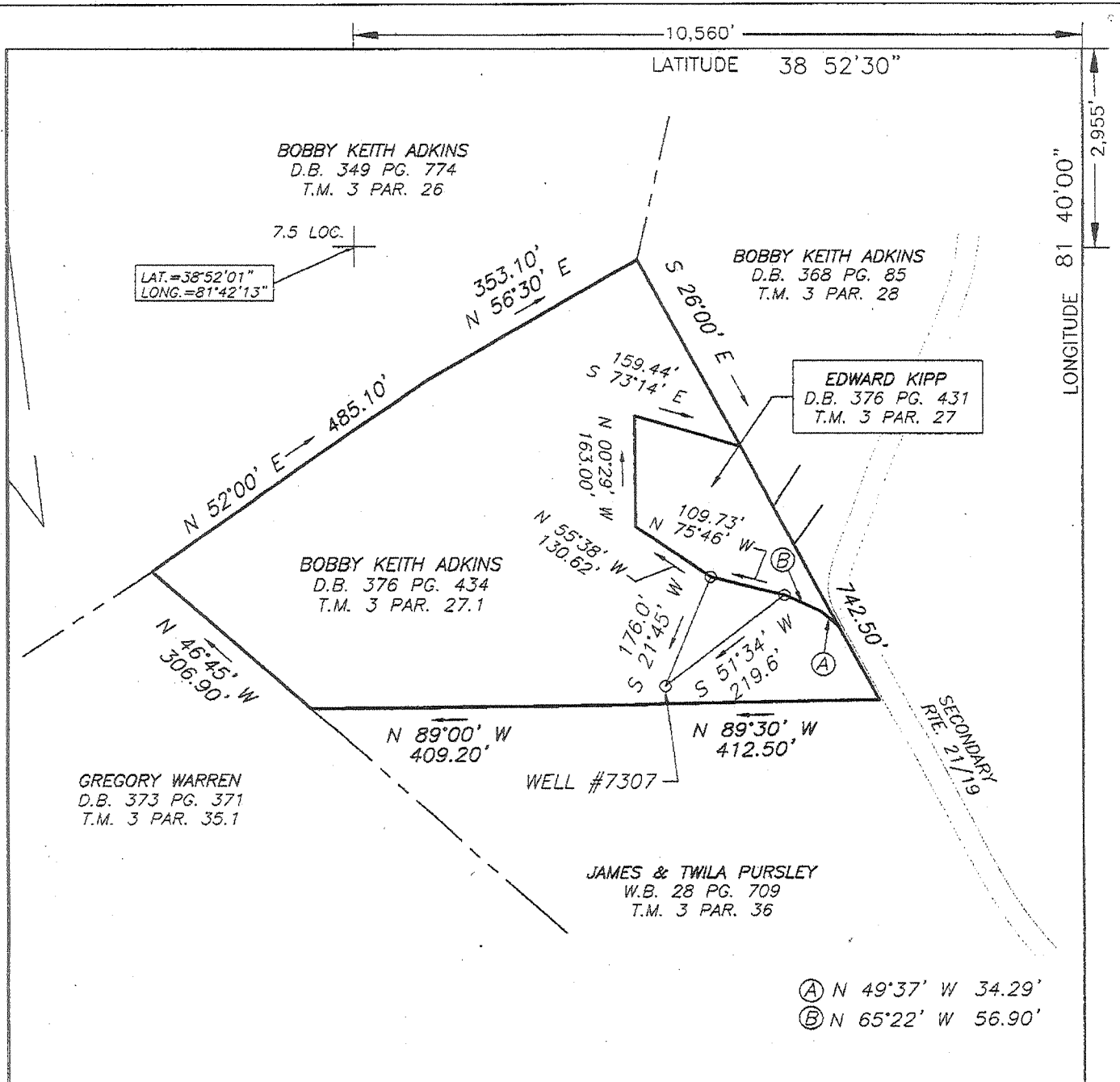
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5014  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK  
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.  
25325-1273 25325-1273

FORM IV-6 (8-78)

**CANCELLED**



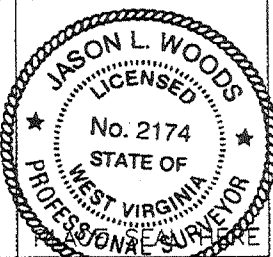
- (A) N 49°37' W 34.29'
- (B) N 65°22' W 56.90'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 10-100-044  
 DRAWING No. 10-100-044  
 SCALE 1"=200'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TRIMBLE PRO XH GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]  
 JASON L. WOODS PS #2174



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 NITRO, WV

DATE JULY 28 2010  
 OPERATOR'S WELL No. 7307  
 API WELL No. 47 035 - 00537

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  STATE 47 COUNTY 035 PERMIT 00537  
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 826 WATER SHED SANDY CREEK  
 DISTRICT RIPLEY COUNTY JACKSON  
 QUADRANGLE RIPLEY

SURFACE OWNER BOBBY KEITH ADKINS ACREAGE 8.42  
 OIL & GAS ROYALTY OWNER J.T. THOMAS etal LEASE ACREAGE 33  
 LEASE No. 52251

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5014  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK  
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.  
25325-1273 25325-1273

FORM IV-6 (8-78)

LATITUDE 38°52'30"

10010618 EQUINOX 07

3.000'

NORTH

BOBBY KEITH & LEA ANN ADKINS  
DB 288 PG 39  
TM 3 PAR 26

0.585  
2.000  
0.

JAMES E. & TWILA J. PURSLEY  
WB 28 PG 709  
TM 3 PAR 28

BOBBY J. ADKINS  
DB 287 PG 105  
TM 3 PAR 28.2

DB 207 PG 23  
TM 3 PAR 28.1

WILLIAM PURSLEY  
9.6 AC.  
DB 184 PG 411  
TM 3 PAR 27

GAS WELL #7307

WILLIAM C. & DOTTIE LOU PURSLEY  
DB 240 PG 586  
TM 3 PAR 35.1

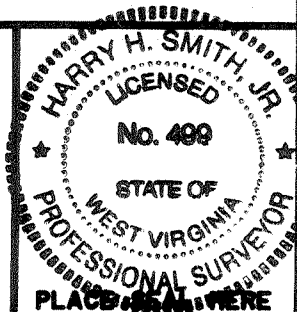
JAMES E. & TWILA J. PURSLEY  
WB 28 PG 709  
TM 3 PAR 36

Notes  
This Map is For Well Location Only & Does Not Represent A Complete Property Survey.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
DRAWING NO. 7307  
SCALE 1" = 200'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION EXISTING WELL PAD

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
(SIGNED) [Signature]  
R.P.E. \_\_\_\_\_ L.L.S. 499



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL & GAS  
#10 McJUNKIN ROAD  
NITRO, WEST VIRGINIA 25143-2506



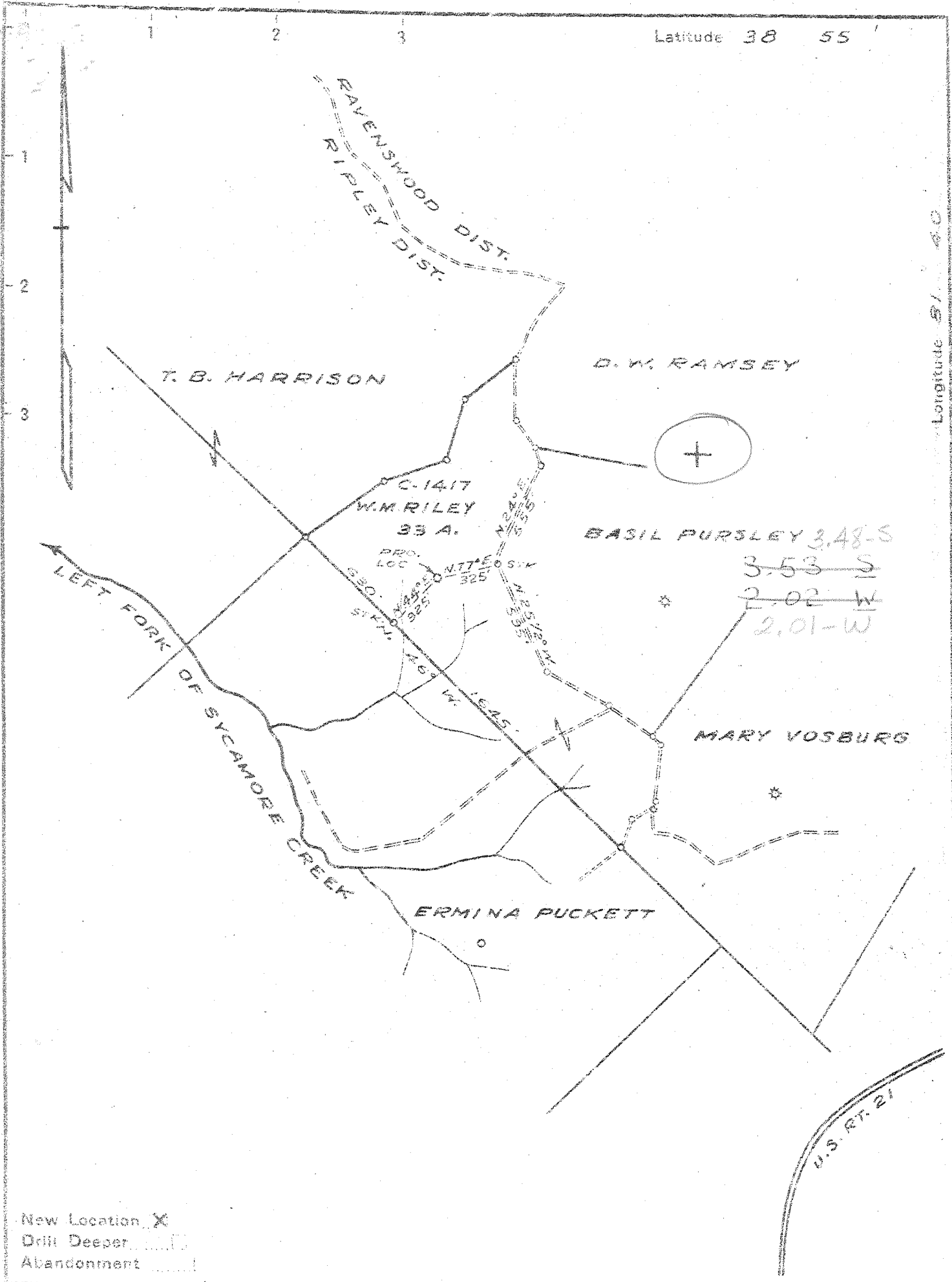
DATE January 26, 1998  
OPERATOR'S WELL NO. 7307  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 831' WATER SHED Sycamore Creek  
DISTRICT Ripley COUNTY Jackson  
QUADRANGLE Ripley COORDINATES LAT: 38°52'00" LONG: 81°42'23"  
SURFACE OWNER William Pursley ACREAGE 9.6  
OIL & GAS ROYALTY OWNER Ronald O. Johnson LEASE ACREAGE 33  
COAL OWNER Ronald O. Johnson LEASE NO. 1052251  
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

JACKSON COUNTY NAME PERMIT 537

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Oriskany ESTIMATED DEPTH 5014  
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

DEEP WELL



New Location  X  
 Drill Deeper   
 Abandonment

Company	COLUMBIAN CARBON CO.
Address	CHARLESTON W.VA.
Farm	W. M. RILEY
Tract	Acres 33 Lease No. C-1417
Well (Farm) No.	1-A Serial No.
Elevation (Spirit Level)	831.1
Quadrangle	RIPLEY 4-345-202 <sup>WC</sup>
County	JACKSON District RIPLEY
Engineer	<i>M. Sell</i>
Engineer's Registration No.	772
File No.	Drawing No. 400
Date	SEPT. 26, 1946 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. JAC-537

+ 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

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

Permit No. Jac 537

Ripley Quad.

Company

Address

Farm

Location

Well No.

District

Surface

Mineral

Commenced

Completed

Not shot

Open flow

Volume

Rock Pressure

Fresh Water

Gas Well  
CASING & TUBING

Columbian Carbon Company

Box 873, Charleston, W.Va.

W.M. Riley Acres 33

Left Fork of Sycamore Creek

1-1 (GW-926) Elev. 831.1 G

Ripley Jackson County

Basil R. Pursley, et ux, Ravenswood, W.Va.

10-23-46

2-22-47

	16	53'	53'
	13 3/8	743'	0
	10 1/2	1145'8	0
	8 5/8	2181'4	0
	7	4945'6	4945'6
	2 3/8	5032'10	5032'10

Coal at 686' 48"

13/10ths M in 7" 22#

5,738,000 C.F.

650 lbs. 24 hrs.

390' 2-16" blrs. per hr.; 660' 9-16" blrs. per hr.

780' 1 1/2-13" blrs. per hr.; 1245' H.F.

1769' H.F.

*3 Sack Ho →*

Red Rock	0	188 Big Injun Sand	2089	2128
Slate	188	199 Lime Shells	2128	2161SLM
Sand	199	217 Lime	SLM 2161	2169
Red Rock	217	231	2161SLM-	2145 DLM
Slate	231	240 Slate & Shells	2169	2487
Red Rock	240	332 Berea Grit	2487	2505
Slate & Shells	332	349 Slate & Shells	2505	2595
Red Rock	349	385 Lime	2595	2616
Sand	385	430 Slate & Shells	2616	3812
Slate	430	445 Lime	3812	3936
Sand	445	476 Slate & Shells	3936	4680
Slate	476	486 Shale	4680	4902 SLM
Lime	486	501	4866'DLM	-4902' SLM
Red Rock	501	545 Corniferous Lime	-463 4902 SLM	5002SLM
Slate & Shells	545	570 Oriskany Sand	5002 SLM	5014
Red Rock	570	630 Total Depth	(estimated)	5014
Sand	630	674		
Blue Slate	674	686 Gas Pay	5002' SLM-14	
Coal	686	690 CEMENT RECORD:		
Blue Slate	690	700 11-2-46	13 3/8" casing. Ran 18 sacks	
Lime Shell	700	725	aquagel and 1 bale fibrotex. Got returns.	
Slate	725	740		
Lime Shell	740	743 11-18-46	10 1/2" casing. Ran 20 sacks	
Sand	743	802	aquagel and 1 bale fibrotex. No returns.	
Slate	802	830		
Red Rock	830	870 12-27-46	8 5/8" casing. Ran 26 sacks	
Sand	870	884	aquagel and 1 bale fibrotex. Circulation	
Red Rock	884	967	and returns.	
Slate & Shells	967	1000		
Lime	1000	1016 12-31-46	8 5/8" casing. Water broke in.	
Red Rock	1016	1086	Pulled pipe and ran packer on bottom of	
Lime Shell	1086	1093	pipe. Ran 26 sacks aquagel and 1 bale	
Blue Slate	1093	1151	Fibrotex. Set pipe on bottom.	
Lime	1151	1170		
Slate & Shells	1170	1200 2-12-47	7" casing. Ran 75 sacks aquagel	
Sand	1200	1235	and 4 sacks fibrotex. Circulation and	
Slate	1235	1281	returns.	
Sand	1281	1309		
Slate & Shells	1309	1390	Columbian Carbon Crew	
Lime	1390	1404		
Sand	1404	1450		
Slate & Shells	1450	1559		
Sand	1559	1583		
Slate	1583	1641		
Sand	1641	1655		
Slate & Shells	1655	1721		
Salt Sand	1721	1827		
Slate	1827	1833		
Sand	1833	1865		
Big Lime	1865	1990		
Gritty Lime	1990	2025		
Sand - Keener	2025	2045		
Slate & Shells	2045	2089		

*3340*

*Keener?*

WR-35

23-Feb-98  
API # 47-35-00537 F  
Reviewed [Signature]

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

RECEIVED  
Office of Oil & Gas  
Permitting

Farm name: PURSLEY, WILLIAM Operator Well No.: 73 MAR 01 1999

LOCATION: Elevation: 831.00 Quadrangle: RIPLEY

WV Division of  
Environmental Protection

District: RIPLEY County: JACKSON  
Latitude: 3000 Feet South of 38 Deg. 52Min. 30 Sec.  
Longitude 10550 Feet West of 81 Deg. 40 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION  
P. O. BOX 1273  
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: HOMER DOUGHERTY  
Permit Issued: 03/05/98  
Well work Commenced: 07/22/98  
Well work Completed: 08/14/98  
Verbal Plugging  
Permission granted on:  
Rotary Cable Rig  
Total Depth (feet) 5014'  
Fresh water depths (ft) 390'; 660'

Salt water depths (ft) 780'; 1245';  
1769'

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"		53'	
7"		4946'	100 sx
4-1/2"		5014'	355 sx

OPEN FLOW DATA

Producing formation Oriskany Storage Pay zone depth (ft) 5002' - 5014'  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow N/A MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure N/A psig (surface pressure) after N/A 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: COLUMBIA GAS TRANSMISSION CORP.

By: [Signature]  
Date: 2/22/99

MAR 16 1999

JAC 0537F

8/12/98 Attempted to acidize Oriskany. Could not get acid in formation.