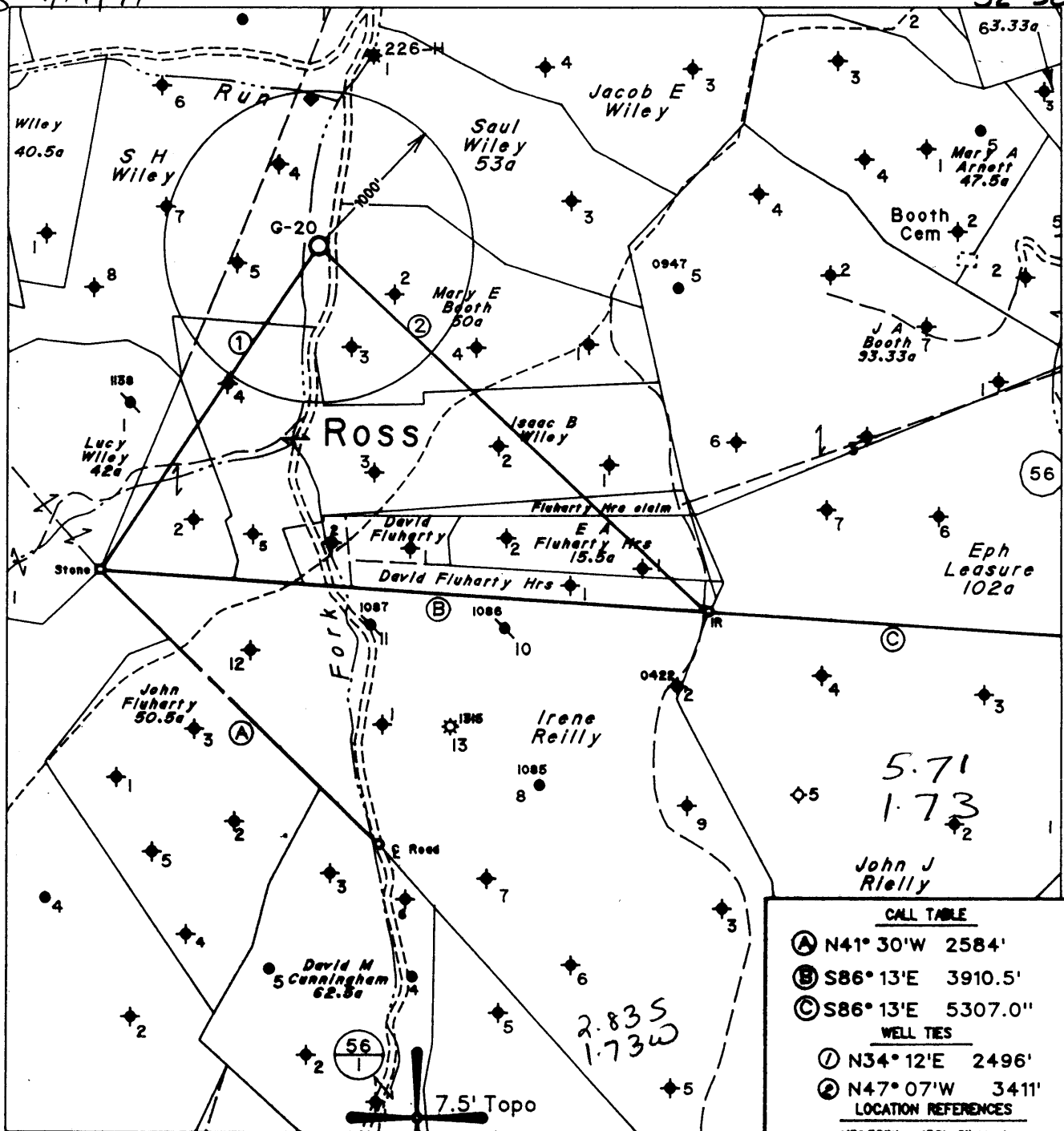


AS 9/14/94



Note: All Known Water Supply Sources Located Within 1000' of Proposed Well Are Shown

◆ Denotes a Water Supply Source

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

CALL TABLE

Ⓐ N41° 30'W 2584'

Ⓑ S86° 13'E 3910.5'

Ⓒ S86° 13'E 5307.0'

WELL TIES

① N34° 12'E 2496'

② N47° 07'W 3411'

LOCATION REFERENCES

N5° 58'W 156' 6" Maple

S86° 01'W 87' 8" Sycamore

S50° 45'W 118' 14" Sycamore

FILE NO. 1094

MAP NO. N58 N 4 S E W 5

SCALE 1" = 1000'

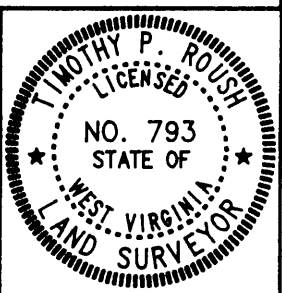
MINIMUM DEGREE OF ACCURACY 1 in 200

PROVEN SOURCE OF ELEVATION USGS BM - 902

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 MINES.

(SIGNED) Timothy P. Roush

TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA
DIVISION OF ENERGY
OIL AND GAS SECTION



DATE September 7, 19 94

FARM S.H. Wiley NO. G-23

API WELL NO. 47-103-1642-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 831' WATERSHED Fluharty Fork

DISTRICT Green COUNTY Wetzel

QUADRANGLE Pine Grove Zulleton SW

SURFACE OWNER John Eves, Opal Cole ACREAGE 132 Ac.

OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 132 Ac.

LEASE NO. RG 2832-00

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 Gordon ESTIMATED DEPTH 2770'

WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews

ADDRESS P. O. Box 5519 4670 ADDRESS P. O. Box 5519

Vienna, W.Va. 26105 Vienna, W.Va. 26105

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

but

Well Operator's Report of Well Work

Farm name: FLUHARTY, RICKEY
 LOCATION: Elevation: 831.00
 District: GREEN
 Latitude: 14,850 Feet south of
 Longitude: 9,150 Feet west of
 Company: EAST RESOURCES, INC.
 P.O. BOX 5519
 VIENNA, WV 26105-5519
 Agent: MICHAEL MCCOWN
 Inspector: MIKE UNDERWOOD
 Permit Issued: 02/07/03
 Well work Commenced: 03/06/03
 Well work Completed: 03/10/03
 Verbal plugging permission granted on:
 Rotary X Cable Rig
 Total Depth (feet) 2,798
 Fresh water depths (ft) NA
 Salt water depths (ft) NA
 Is coal being mined in area (Y/N) NA
 Coal Depths (ft):

Operator Well No.: S. H WILEY
 Quadrangle: PINEGROVE
 County: WETZEL
 39 Deg 30 Min 0 Sec.
 80 Deg 40 Min 30 Sec.

G-23 RECEIVED
 Office of Oil & Gas
 Permitting
 MAR 14 2003
 WV Department of
 Environmental Protection

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	264.00	264.00	100 sks
4 1/2"	2760.00'	2760.00'	300 sks

OPEN FLOW DATA

* Waterflood injection well

Producing formation Gordon Pay zone depth (ft) 2690-2713
 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: EAST RESOURCES, INC.
 By: *[Signature]*
 Date: 3/11/03

WET 1642

Treatment: Treated Gordon perforations 2694'-2698' with 250 gals 15% HCL, 293 bbls Crosslinked gel water and 15,400# 20/40 sand

Well Log See original well log

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

Well Operator's Report of Well Work

Farm name: COLE, OPAL/JONH EVES Operator Well No.: S.H. WILEY#G-23

LOCATION: Elevation: 831.00 Quadrangle: PINE GROVE

District: GREEN County: WETZEL
Latitude: 14850 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 9150 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P. O. BOX 5519
VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: RANDAL MICK
Permit Issued: 10/04/94
Well work Commenced: 11/04/94
Well work Completed: 12/08/94

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2798
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 8-5/8	264	264	To surface 100 sks.
4-1/2	2760	2760	300 sks.

OPEN FLOW DATA * Water Injection Well

Producing formation Gordon Pay zone depth (ft) 2690-2713
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: PENNZOIL PRODUCTS COMPANY

By: [Signature]
Date: 1/4/95

TREATMENT

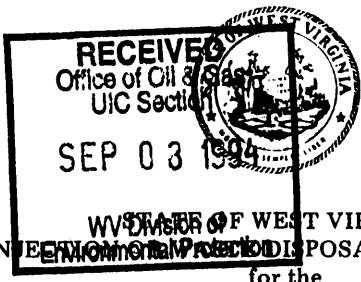
Perforated with 8 holes, 2694'-2698'. Treated with 300 gallons 15% HCL acid, 259 barrels gelled water and 7000 lbs. of 20/40 sand.

WELL LOG

Sand & Shale	0 -1116'
Sand	1116'-1182'
Shale	1182'-1226'
Sand	1226'-1268'
Sand & Shale	1268'-1590'
Sand	1590'-1653'
Sand & Shale	1653'-1786'
Little Lime	1786'-1800'
Pencil Cave	1800'-1818'
Big Lime	1818'-1992'
Big Injun	1992'-2072'
Sand & Shale	2072'-2662'
Stray	2662'-2677'
Gordon	2690'-2713'
T.D.	2798'

10/91

- 1) Date: September 7, 1994
- 2) Operator's Well No. S. H. WILEY #G-23
- 3) SIC Code _____
- 4) API Well NO. 47 - 103 - 1642-21
State County Permit
- 5) UIC Permit No. _____



*Issued 10/04/94
Expires 10/04/96*

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION AND WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

- 6) WELL TYPE: Liquid injection / Gas injection (not storage) _____ / Waste disposal _____
- 7) LOCATION: Elevation: 831' Watershed: Fluharty Fork
District: Green County: Wetzel Quadrangle: Pine Grove
- 8) WELL OPERATOR Pennzoil Products Company 9) DESIGNATED AGENT James A. Crews
Address P. O. Box 5519 Address P. O. Box 5519
Vienna, WV 26105 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
- 11) DRILLING CONTRACTOR:
Name _____
Address _____
- 12) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
Plug off old formation _____ / Perforate new formation _____ / Convert _____
Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Gordon Depth 2661 feet(top) to 2676 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 2770 ft.
- 15) Approximate water strata depths; Fresh, 11 feet; salt, 1038 feet.
- 16) Approximate coal seam depths: 643'
- 17) Is coal being mined in the area? Yes _____ / No /
- 18) Virgin reservoir pressure in target formation 1400 psig. Source Estimated
- 19) Estimated reservoir fracture pressure 3500 psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2332
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Freshwater, produced water, bactericides and other chemicals as needed to maintain water quality and improve oil recovery.
- 22) FILTERS (IF ANY): Cartridge and/or Coalbed Filters
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8-5/8	L.S.	20	x		200	200	Cement to surface	Sizes
Coal									
Intermediate									
Production	4 1/2	J-55	10.5	x		2770	2770	Cement over salt sand	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

25) APPLICANT'S OPERATING RIGHTS were acquired from Richard Wiley et. al.
by deed _____ / lease / other contract _____ / dated December 28, 1953, of record in the
Wetzel County Clerk's office in Book 49 at page 134

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

19850

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-103-1642-LI

October 4th, 19 94

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires 10-4-1996 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: ✓	Agent: ✓	Plat: MS	Casing: MS	Fee: Cklt 20530
------------	-------------	-------------	---------------	-----------------------

Michael D. Jones

CHIEF, OFFICE OF OIL AND GAS

NOTE: Keep one copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

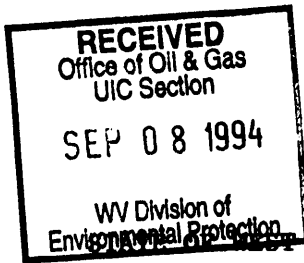
This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Well work started		" "	
Total depth reached		" "	
Well Record received		" "	
Reclamation completed		" "	

OTHER INSPECTIONS

Reason: _____

Reason: _____



1) Date September 7, 1994
Operator's
2) Well No. S. H. WILEY #G-23
3) SIC Code _____
4) API Well No. 47 - 103 - 1642
State County Permit

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

- 6) SURFACE OWNER(S) OF RECORD TO BE SERVED
- (i) Name Opal Cole
Address 18675 U.S. 19 N.
401 Bay Aristoc.
 - (ii) Name Clearwater, FL 34624
Address _____
John Eves
 - (iii) Name 2929 Linden Street. N.W.
Address Uniontown, OH 44685
- 7 (i) COAL OPERATOR N/A
Address _____
- 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
- 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is _____, 19____.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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.

PENNZOIL PRODUCTS COMPANY
Well Operator
By [Signature] Timothy P. Roush
Its Supervisor, Surveying/Mapping
Telephone (304) 422-6565