

FILE NO. 431
 MAP NO. N47 SQS. NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 28 1990
 FARM A. D. LEMASTERS NO. 1
 API WELL NO.
47 - 095 - 0587 - LI
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 885.08' WATER SHED LEFTHAND FORK
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTER POINT 7.5 & 15 NW
 SURFACE OWNER C.I. & FRANCIS WADSWORTH ACREAGE 103.13
 OIL & GAS ROYALTY OWNER EDITH DOAK ET AL LEASE ACREAGE 222
 LEASE NO. 12958-50
 PROPOSED WORK: DRILL ___ CONVERT X 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 2,850' Jacksonburg AUG 6 1990
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS Stringtown (095)
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519
623 8-0 owwo VIENNA, WV 26105

FORM WW-6

RECEIVED
Department of Energy
APR 15 91
Mining
Gas Section

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

Well Operator's Report of Well Work

Farm name: WADSWORTH, C.I. & FRANCIS Operator Well No.: A.D.LEMASTERS 1

LOCATION: Elevation: 885.08 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
Latitude: 14350 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 6000 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: GLEN P. ROBINSON
Permit Issued: 07/30/90
Well work Commenced: 10-11-90
Well work Completed: 11-16-90
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 2802
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 720 (old record)

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
SEE ORIGINAL RECORD			
3-1/2	2741	(inside 5-3/16) 2741	50 Sks.

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2783-2795
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 N/A 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

* Not tested, old well converted to liquid injection well.

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: Timothy P. Roush Timothy P. Roush
Date: April 11, 1991

APR 19 1991

No stimulation

Well Log

See original record.

10757

No. 1

SOUTH PENN OIL COMPANY—COMPLETION

SERIAL NO. _____ FARM A. D. Lemasters. WELL NO. 1.
 ELEVATION 885 N. 1. S. _____ E. _____ W. 4.
 LEASE NO. _____ ACRES 75.
 WATERS OF Branch Indian Creek.
 DISTRICT McHroy. COUNTY Tyler. STATE W. Va.
 DRILLING COMMENCED No record. COMPLETED No record. DEPTH 2802'

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
PGH. COAL CASING 2 1/2'	720'			
Big Injun Sand.	2010'	2170'		10" 1455'
Stray Sand.	2745'	2774'		8 1/4" 1138'
Gordon Sand.	2783'	2795'		6-5/8" 1098'
				5-3/16" 2802'

PACKERS AND DEPTH SET

INITIAL PROD. 37 Bbls. SAND Gordon. DEPTH 2802'

GAS TEST _____

SHOT 11/11-1896 QUARTS 30. 9/13-1900 - 50qts. 10/8-1900 -

REMARKS 20qts. 11/7-1910 - 120qts.

Oil in Gordon sand at 2785'

REPORTED BY Siney District. ABANDONED _____

McElroy District, Tyler County, W. Va.
South Penn Oil Co.
Elevation, 890'.
On Lefthand Fork.

Present production: 30 bbls. per week.
Largest production in this area.

7

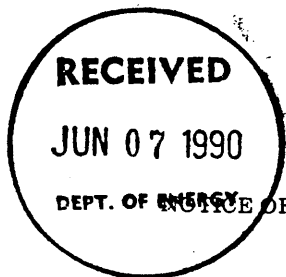
Several others make 10 bbls. (3) (Nos. 12, 13, and 16).

L. J. Lemasters makes 16 bbls. per week.

Some repressuring has been attempted and from all reports this more than doubles the production for all Gordon Sand wells. Gas was the element used, and is the most likely substance to use. No water except as casing above leaks.

High runs in casing-head gas are made. This oil is very high volatile and could be increased in recovery at storage by overflow vents either into a gas tank or into pipe-lines gathered at the gasoline plant above Braden Station.

7/85



1) Date: June 4, 19 90
 2) Operator's Well No. A. D. LEMASTERS NO. 1
 3) SIC Code 0587.41
 4) API Well NO. 47 - 095 - 3419-EL
State County Permit
 5) UIC Permit No. 4102R09501AP

*Issued 7/30/90
Expire 7/30/92*

STATE OF WEST VIRGINIA
 DEPT. OF ENERGY OFFICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 for the

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

- 6) WELL TYPE: Liquid injection / Gas injection (not storage) / Waste disposal
 7) LOCATION: Elevation: 885.08 Watershed: Left Hand Fork *286*
 District: McElroy *(CS)* County: Tyler Quadrangle: Center Point 7.5'
 8) WELL OPERATOR Pennzoil Products Company *37450* 9) DESIGNATED AGENT James A. Crews
 Address P.O. Box 5519 Address P.O. Box 5519
Vienna, W. Va. 26105-5519 Vienna, W. Va. 26105-5519
 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Glen P. Robinson
 Address Rt. 1, #6 Mt. Pleasant Est.
Mineral Wells, W. Va. 26150
 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 2783 feet (top) to 2795 feet (bottom)
 14) Estimated depth of completed well, (or actual depth of existing well) 2795 ft.
 15) Approximate water strata depths: Fresh, 110 feet; salt, 1400 feet.
 16) Approximate coal seam depths: _____
 17) Is coal being mined in the area? Yes / No
 18) Virgin reservoir pressure in target formation 80 psig. Source Estimated
 19) Estimated reservoir fracture pressure 3500 (Bottom Hole) psig (BHFP)
 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 20.8 Bbls. Bottom hole pressure 2340 psi
 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh and produced water from Stringtown field operations with bactericide.
 22) FILTERS (IF ANY): Coal bed and/or cartridge filters.
 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

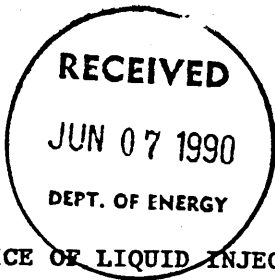
CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds Hook Wall
Fresh water									Sizes 5-1/2 x 6-1/2
Coal									Shoulder
Intermediate	6-5/8	H-40	17		X	1998'	1998'		Packer
Production	5-1/2	H-40	1.4		X	2526'	2526'		Depths set 2526'
Tubing	3-1/2	J-55	9.2	X		2750'	2750'		Cmt to 5-1/2"
Liners									Perforations: Top Bottom

25) APPLICANT'S OPERATING RIGHTS were acquired from A. D. Lemasters
 by deed / lease / other contract / dated April 6, ~~xx~~ 1894, of record in the
Tyler County Clerk's office in Lease Book 23 at page 100

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

See Attached File

10757



1) Date June 1, 1990
Operator's _____
2) Well No. A. D. LEMASTERS NO. 1
3) SIC Code _____
4) API Well No. 47 - 095 - 0587
State County Permit
095-0587-L

STATE OF WEST VIRGINIA

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 C.I. & Frances Walters
Address Alvy, W. Va. 26322
 - (ii) Name _____
Address _____
 - (iii) Name _____
Address _____
- 7 (i) COAL OPERATOR _____
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 Timothy P. Roush
Its Supervisor, Surveying/Mapping
Telephone 304-422-6565