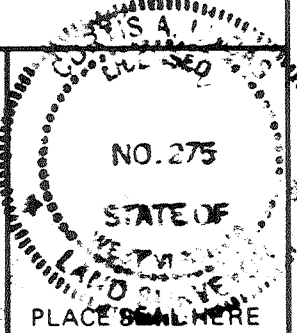


FILE NO. 1446
 MAP 62 SQS 552-53 W34-35
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION SARAH M. SERGENT NO. 10 1152.68'

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE JUNE 8, 19 83
 FARM SARAH M. SERGENT NO. 12
 API WELL NO. 47-087-3780-LI
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

JUN 27 1983

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 975.98' WATER SHED BRANCH OF HENRY FORK
 DISTRICT SMITHFIELD COUNTY ROANE
 QUADRANGLE TARIFF Other 15' NW
 SURFACE OWNER WARREN COTTRILL ACREAGE ___
 OIL & GAS ROYALTY OWNER RICHARD BOWLBY LEASE ACREAGE 300
 LEASE NO. 61985
 PROPOSED WORK: DRILL X 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 BIG INJUN ESTIMATED DEPTH 1991'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P. O. BOX 1588 ADDRESS P. O. BOX 1588
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

8-0 Tariff (tallman) (199)

OG-10
Rev. 9-71



RECEIVED

OCT 17 1983

STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES DEPT. OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Tariff 7.5'
Permit No. 47-087-3780

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

Company Pennzoil Company
Address P.O. Box 1588, Parkersburg, WV 26101
From S. M. Sergeant Acres 300
Location (waters) Branch of Henry Fork
Well No. 12 Elev. 975.98'
District Smithfield County Roane
The surface of tract is owned in fee by _____
Warren Cottrill
Address Tariff, WV
Mineral rights are owned by Richard Bowlby
Address Parkersburg Rd., Spencer, WV
Drilling Commenced 8-12-83
Drilling Completed 8-18-83
Initial open flow WIW cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	218	218	125 sks.
7			
5 1/2			
4 1/2	1984	1984	105 sks.
3			
2			
Liners Used			

Well treatment details:
Fractured 9/8/83 Big Injun w/240 BGW, 1500# 20/40 sd
Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Silt			0	306		
Sand			306	322		
Sand & Silt			322	1527		
Salt Sand			1527	1657		
Silt, Shale, Sand			1657	1812		
Little Lime			1812	1852		
Blue Monday			1852	1857		
Pencil Cave			1857	1870		
Big Lime			1870	1984		
<u>Big Injun</u>			1984	2008		
Pocono Shale			2008	2053		
Total Depth				<u>2053</u>		

JAN 23 1984

DRILLING CONTRACTOR

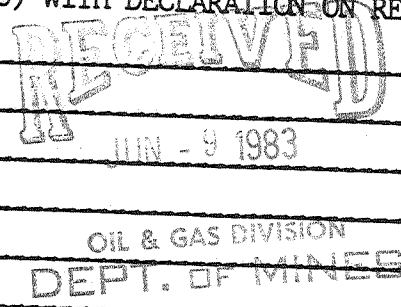
- 1) Date: June 9 1983
- 2) Operator's Well No. S. M. Sergent #12
- 3) SIC Code
- 4) API Well No. 47 -087 -3780 State County Permit
- 5) UIC Permit

STATE OF WEST VIRGINIA
LIQUID INJECTION OR WASTE DISPOSAL WELL PERMIT APPLICATION

For Both

DEPT. OF MINES, OFFICE OF OIL AND GAS, DNR, DIVISION OF WATER RESOURCES

- 6) WELL TYPE: Liquid Injection / Disposal / Gas Injection
- 7) LOCATION: Elevation 975.98 / Watershed Branch of Henry Fork
District Smithfield / County Roane / Quadrangle
- 8) WELL OPERATOR Pennzoil Company / 12) DESIGNATED AGENT James A. Crews
Address P. O. Box 1588 / Address P. O. Box 1588
Parkersburg, WV 26101 / Parkersburg, WV 26101
- 9) ROYALTY OWNER Richard Bowlby / 13) COAL OPERATOR NO COMMERCIAL COAL
Address Parkersburg Rd. / Address
Spencer, WV 25276
- 10) SURFACE OWNER Warren Cottrill / 14) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Warren Cottrill / Name Warren Cottrill
Address Tariff, WV / Address Tariff, WV
Acreage 300 / Acreage 300
- 11) OIL AND GAS INSPECTOR TO BE NOTIFIED BEFORE DRILLING, AND 24 HOURS IN ADVANCE OF ANY MECHANICAL INTEGRITY TEST
Name Homer H. Dougherty / Address Linden Rt., Box 3-A
Looneyville, WV
- 15) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____ / Address _____



The undersigned well operator is entitled to operate for liquid injection or waste disposal purposes at the above location under a deed / lease / other contract dated October 4, 1909, to the undersigned well operator from F. P. Snodgrass, et al. (If said deed, lease, or other contract has been recorded:)
Recorded on , 19 , in the office of the Clerk of the County Commission of Roane County, West Virginia, in Lease Book 17 at page 429. A permit is requested as follows:

PROPOSED WORK: Convert / Drill / Drill deeper / Fracture or stimulate / Plug off old formation / Other physical change in well (specify) _____
Date of first liquid injection or waste disposal: _____, 19 .

PROPOSED WORK ORDER
THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-37 UPON COMPLETION

Estimated depth of completed well 1991 feet Rotary / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: Is coal being mined in the area? Yes / No

GEOLOGICAL TARGET FORMATION Big Injun Depth 1907 feet(top) to 1931 feet(bottom)
a) Virgin reservoir pressure in target formation 80 psig; Source Estimate
b) Estimated reservoir fracture pressure psig (BHFP)
c) Perforation intervals Open-hole intervals Big Injun

MAXIMUM PROPOSED INJECTION OPERATIONS
Volume per hour: 12.5 Bbls. Bottom hole pressure: 1800 psig

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED - PLUS ADDITIVES
Fresh Water

SPECIFICATION FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL

FILTERS (IF ANY) Coal Filters

27) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	7				X	200	200	Cement to Surface	
Coal									Sizes
Intermediate									
Production	4-1/2	K55	9.5	X		1907	1907	Over Salt Sand	Depths
Tubing									
Liners									Perforation
									Top Bottom

28) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

The person signing this document shall make the following certification:

PENNZOIL COMPANY
Well Operator

"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.

By Curtis A. Lucas
Its Supervisor, Surveying & Mapping

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____.

By: _____
Its _____

OFFICE USE ONLY

Permit number 47-087-3780-LI

PERMIT

June 24 1983
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 prior to the construction of roads, locations and pits for any permitted work. (Refer to No. 10)

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.

Permit expires February 24, 1984 unless work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>OK</u>	Plat: <u>MG</u>	Casing: <u>4 1/2</u>	Fee: <u>15676</u>
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[Signature]
Administrator, Office of Oil and Gas

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: S. M. Sargent Operator Well No.: 12

LOCATION: Elevation: 1072' Quadrangle: Newton
District: Smithfield County: Roane
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL x GAS _____

Easting 481602
Northing 4280428

Company Triad Hunter Coal Operator _____
5669 Wallback Rd. or Owner NO COAL
Wallback, WV. 25285

Agent Mike Horan Coal Operator _____
Permit Issued Date 06/21/2011 or Owner RECEIVED
Office of Oil & Gas

AFFIDAVIT

MAR 17 2014

STATE OF WEST VIRGINIA
County of Roane

WV Department of Environmental Protection

Rick Duckworth and Robert Stewart being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling of wells and are the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 24 day of October, 2011, and the well was plugged and filled in the following manner:

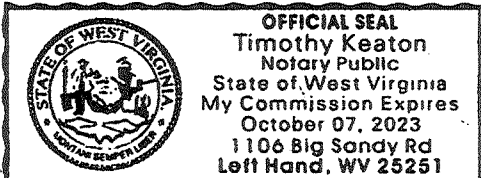
TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2025'	1925'		2060 of 4 1/2" CTS
Cement	1072'	972'		387' of 8 5/8" CTS
Cement	100'	0'		

Description of monument: 7" pipe with API numbers. and that the work of plugging and filling said well was completed on the 26 day of October, 2011

And further deponents saith not. Rick Duckworth
Robert Stewart

Sworn and subscribe before me this 16 day of January, 2014

My commission expires: 10-7-2023 Timothy E Keaton
Notary Public



Affidavit reviewed by the Office of Oil and Gas [Signature] Title: Inspector
Did not witness 03/12/2014

27) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water	7				X	200	200	Cement to Surface	Kinds
Coal									Sizes
Intermediate									Depths
Production	4-1/2	K55	9.5	X		1907	1907	Over Salt Sand	Perforations
Tubing									Top Bottom
Liners									

28) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

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 COMPANY
Well Operator

By Curtis A. Lucas
Its Supervisor, Surveying & Mapping

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____.

By: _____

Its _____

OFFICE USE ONLY

PERMIT

Permit number 47-087-3780-LI

June 24 1983
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 prior to the construction of roads, locations and pits for any permitted work. (Refer to No. 10)

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.

Permit expires February 24, 1984 unless work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>OK</u>	Plat: <u>MZ</u>	Casing: <u>4 1/2</u>	Fee: <u>15076</u>
-----------------	------------------	-----------------	----------------------	-------------------

[Signature]
Administrator, Office of Oil and Gas

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