



1) Date: May 25, 19 84
2) Operator's Well No. 0. D. Stockly #158
3) API Well No. 47 - 015 - 1222-FRAC
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1331.75 Watershed: Granny's Creek KE23N
District: Henry County: Clay Quadrangle: Otter 15'
- 6) WELL OPERATOR Pennzoil Company
Address P. O. Box 1588
Parkersburg, WV 26102
- 7) DESIGNATED AGENT James A. Crews
Address P. O. Box 1588
Parkersburg, WV 26102
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Craig Duckworth
Address Box 107, Davisson Rt.
Gassaway, W. Va. 26624
- 9) DRILLING CONTRACTOR:
Name _____
Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Big Injun
- 12) Estimated depth of completed well, 2350 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No
- 15) CASING AND TUBING PROGRAM

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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									
Fresh water	8-5/8					522	522	350 sks.	Kinds existing casing
Coal									Sizes
Intermediate									
Production	4-1/2					2361	2361	75 sks.	Depths set Existing casing
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-015-1222-FRAC

June 22, 19 84
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 reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires June 22, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>ld</u>	Plat: <u>MU</u>	Casing: <u>MW</u>	Fee: <u>16438</u>
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[Signature]

Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) LOCATION: Elevation: 1331.75; District: Henry; County: Putnam; Waterworks: KAY'S CREEK; Underground storage: Deep; Well No.: 1331.75

2) WELL OPERATOR: PENNCOIL COMPANY; Address: P. O. Box 1388, Parkersburg, WV 26102

3) DESIGNATED AGENT: JAMES A. CREWS; Address: P. O. Box 1388, Parkersburg, WV 26102

4) DRILLING CONTRACTOR: CRAIG DUCKWORTH; Address: BOX 107, DAVISSON, WV 26034

5) PROPOSED WELL WORK: Plug off old formation; Portals new formation

6) APPROXIMATE COAL SEAM DEPTHS: 1330

7) APPROXIMATE TRAIL DEPTHS: 1330

8) ESTIMATED DEPTH OF COMPLETED WELL: 1330

9) OTHER PHYSICAL CHANGE IN WELL (SPECIFY):

10) CASING AND TUBING PROGRAM:

11) IS COAL BEING MINED IN THE AREA? Yes

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This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Bond	Agent	Plant	Casing	Fee
PLANNED				

1) Date: May 25, 19 84
2) Operator's
Well No. O. D. Stockly #158
3) API Well No. 47 015 1222
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Ernest J. White
Address Clay, West Virginia 25043
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR No Commercial Coal
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
5(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 Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-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 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 IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 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 Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-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 Administrator.

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OIL & GAS DIVISION
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. On File: See Permit No. 47-087-0009-Frac
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR Pennzoil Company
By Curtis A. Lucas
Its Supervisor, Surveying & Mapping
Address P. O. Box 1588
Parkersburg, WV 26102
Telephone 422-6565

Curtis A. Lucas
this 25 day of May, 19 84.
My commission expires Oct. 24, 19 89.

Joyce M. Board
Notary Public, Wood County,
State of W. Va.

05/17/2024

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page



DATE: May 25, 1984
OPERATOR'S
WELL NO.: O.D. Stockly #158
API NO: 47 - 015 - 1222
State County Perm

State of West Virginia

OFFICE OF OIL AND GAS
DEPARTMENT OF MINES

A F F I D A V I T

State of W.Va.

County of Wood

I, James A. Crews (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: James A. Crews

Taken, Subscribed, and sworn to before me this 25th day of May, 1984.

Notary: Curtis A. Lewis

My Commission Expires: July 2, 1990

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DEPT. OF MINES



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DEPT. OF MINES
6th & 7th Division
MAY 17 2024
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IV-9
(Rev 8-81)

DATE May 18, 1984
WELL NO. P.D. Stockly 158
API NO. 47-015-1222
Free

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PENNZOIL COMPANY

DESIGNATED AGENT JAMES A. CREWS

Address P.O. Box 1588, Parkersburg, WV

Address Box 1588, Parkersburg, W.V.

Telephone 422-6565

Telephone 422-6565

LANDOWNER Ernest J. White

SOIL CONS. DISTRICT ELK

Revegetation to be carried out by Company Employees (Agent)

This plan has been reviewed by ELK SCD. All corrections and additions become a part of this plan: 5-22-84 (Date)

James Crews
(SCD Agent)

ACCESS ROAD

LOCATION

Structure See Comments (A)

Structure See Comments (1)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

Structure _____ (B)

Structure _____ (2)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre

Lime _____ Tons/acre

or correct to pH 6.5

or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Straw 2 Tons/acre

Mulch Straw 2 Tons/acre

Seed* Ky 31 Fescue 40 lbs/acre

Seed* Ky 31 Fescue 40 lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

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*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY Curtis A. Lucas

ADDRESS P.O. Box 1588

Parkersburg, W.V.

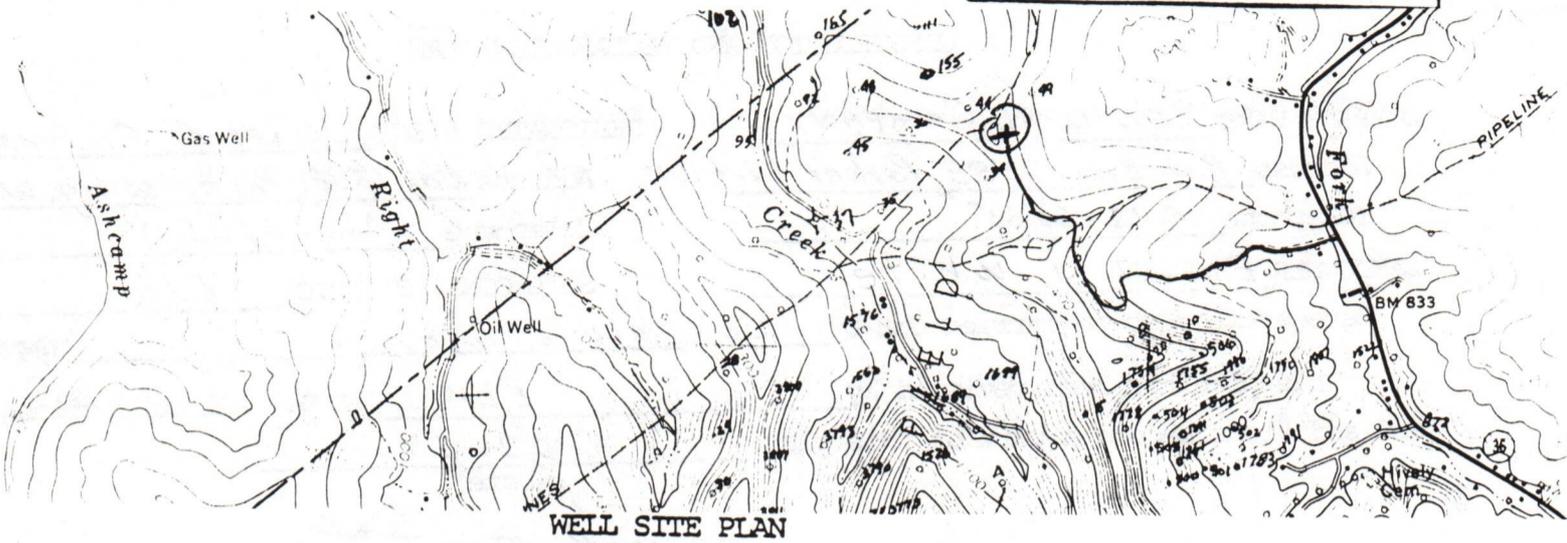
PHONE NO. 422-6565

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Newton 7 1/2'

LEGEND

Well Site ⊕

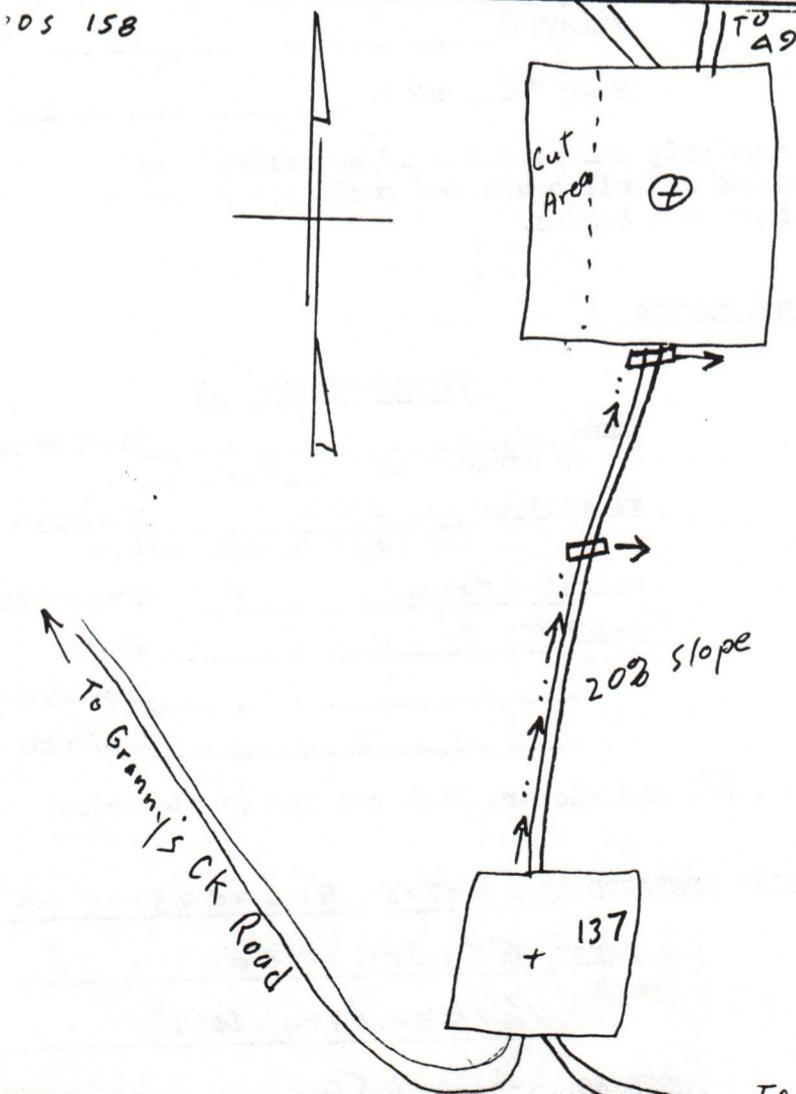
Access Road ———



Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ⊕ →
Existing fence — x — x —	Wet spot ⊕
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — →
Open ditch — ···· →	Waterway ← = = = = →



Note: This is an existing well to be reworked. All structures are existing. No additional grading will be done.

05/17/2024

P 419 - 191 613

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982

Sent to Ernest J. White	
Street and No.	
P.O., State and ZIP Code Clay, WV 25043	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	





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NOV 3 - 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

OFFICE COPY

Oil and Gas Division

WELL RECORD 7

Quadrangle Otter
Permit No. Cla-1222

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

Company <u>Pennzoil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV 26101</u>	Size <u>20-16</u>			
Farm <u>O. D. Stockly</u> Acres <u>4000</u>	Cond. <u>13-10"</u>			
Location (waters) <u>Granny's Creek</u>	<u>9 5/8</u>			
Well No. <u>158</u> Elev. <u>1331.75</u>	<u>8 5/8</u>	<u>522</u>	<u>522</u>	<u>350</u> sks.
District <u>Henry</u> County <u>Clay</u>	<u>7</u>			
The surface of tract is owned in fee by <u>Clark White</u>	<u>5 1/2</u>			
Address <u>Valley Fork, WV</u>	<u>4 1/2</u>	<u>2361</u>	<u>2361</u>	<u>75</u> sks.
Mineral rights are owned by <u>Mr. Wm. Hack, Agt. City Bank, N. Address 399 Park Ave., New York, N.Y.</u>	<u>3</u>			
Drilling Commenced <u>6-18-77</u>	<u>2</u>			
Drilling Completed <u>6-25-77</u>	Liners Used			
Initial open flow <u>8,000</u> cu. ft. <u>8</u> bbls.				
Final production <u>6,000</u> cu. ft. per day <u>6</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.
Fractured 7-26-77 w/525 Bbls. Crude Oil, 500 Gals. 15% HCL, 16,000# 20/40 sd. (1st Stage)
177 BW, 500 Gals. 15% HCL, 1000# 20/40 sd. (2nd Stage)

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	475		
Shale			475	564		
Sand & Silt			564	719		
Shale			719	739		
Sand			739	919		
Shale			919	964		
Sand			964	991		
Shale			991	1031		
Sand			1031	1124		
Shaly Sand			1124	1222		
Shale			1222	1337		
Sand			1337	1396		
Shaly Sand			1396	1420		
Shale			1420	1455		
Sand & Shale			1455	1490		
Sand			1490	1604		
Shale			1604	1631		
Sand			1631	1820		
Shale			1820	1844		
Sand			1844	1990		
Sandy Shale			1990	2072		
Little Lime			2072	2113		
Blue Monday			2113	2124		
Big Lime			2124	2180		

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(over)
* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 7	Bottom Feet	Oil, Gas or Water	* Remarks
Loyalhanna			2180	2249		
Keener			2249	2256		
Big Injun			2256	2276		
Shale			2276	2310		
Squaw			2310	2328		
Shale			2328	2371		
Total Depth				2371		
PBD				2350		

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 DEPT. OF MINES

05/17/2024

Date November 2,

77

APPROVED PENNZOIL COMPANY

BY Curtis A. Lucas
(118)

PENNZOIL COMPANY

601 GRAND CENTRAL AVENUE • VIENNA, WV 26105 • PHONE (304) 422-6565

Mailing Address P.O. Box 1588, Parkersburg, West Virginia 26102

September 25, 1984

Mr. Ted Streit, Administrator
Oil and Gas Division
Department of Mines
1613 Washington Street, East
Charleston, WV 25311



Dear Mr. Streit:

FRACTURE RECORD

Well Name and No: O. D. Stockly, No. 158-F
District: Henry County: Clay
Permit No.: 47-015-1222-F Completion Date: 7-3-84
Formation Fractured: Top- 2260 Material: Sand- 2000# 20/40
Big Injun - Bottom-2270 Fluid- 165 BGW
Rock Pressure: Test After Fracture:
After Fracture- Oil- 1/4 BOPD
Gas- 0

Very truly yours,

PENNZOIL COMPANY


Curtis A. Lucas
Civil Engineering Dept.

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State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
September 27, 1984

COMPANY Pennzoil Company

PERMIT NO 015-1222-FRAC

P. O. Box 1588

FARM & WELL NO O. D. Stockly #158

Parkersburg, West Virginia 26102

DIST. & COUNTY Henry/Clay

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Craig Luckworth
DATE 11/7/84

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

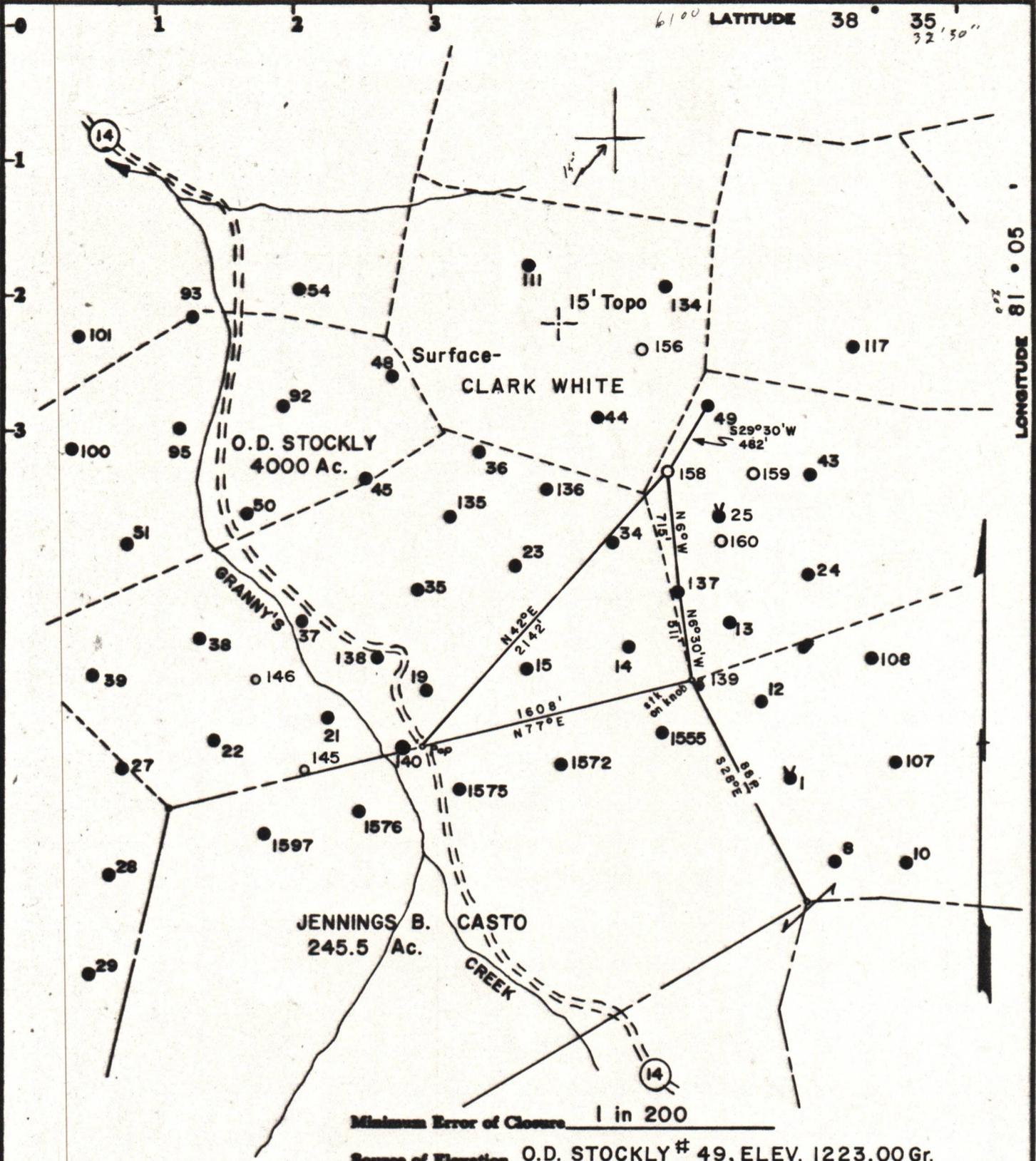
T. L. ...
Administrator-Oil & Gas Division
December 20, 1984
DATE _____

05/17/2024

18100'

4/27/77 R

6100 LATITUDE 38° 35' 32.50"



LONGITUDE 80° 05' 12.200"

Minimum Error of Closure 1 in 200
 Source of Elevation O.D. STOCKLY # 49, ELEV. 1223.00 Gr.

Fracture
 New Location
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Curtis A. Lucas*

Map No. 83 Squares: N 861-62E W 31-32

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Farm O. D. STOCKLY
 Tract Acres 4000 Lease No. 60643-50
 Well (Farm) No. 158 Serial No. _____
 Elevation (Spirit Level) 1331.75
 Quadrangle OTTER 15'
 County CLAY District HENRY
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. 640 Drawing No. _____
 Date 4-22-77 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. CLA-1222-5 05/17/2024

+ 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. 47-015

BRUNING 44-131 27198

CLA 1222

2351 - Big Injan t Squaw