

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. JOHN MILLS, JR. #156

API Well No. 47 - 103 1226
State County Permi

WELL TYPE: Oil X / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1430 Watershed: Buffalo Run
District: Grant County: Wetzel Quadrangle: Pine Grove 7.5'

WELL OPERATOR QUAKER STATE OIL REFG. CORP. DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327 Address P.O. Box 1327
Parkersburg, WV 26101 Parkersburg, WV 26101

OIL & GAS ROYALTY OWNER Mills Wetzel Lands, Inc. COAL OPERATOR None

Address 115 So. LaSalle Street Address:
Chicago, Illinois 60603

Acreage 5228.5

SURFACE OWNER Lewis Wetzel Hunting Ground

Address Dept. of Natural Resources
Charleston, WV 25305

Acreage 5228.5

FIELD SALE (IF MADE) TO:

Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED

Name Phillip L. Tracy 758-4573
Address Rt. #3
Alma, WV 26320

RECEIVED

MAR 18 1981

OIL & GAS DIVISION
DEPT. OF MINES

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Mills Wetzel Lands, Inc.
Address 115 So. LaSalle Street
Chicago, Illinois 60603

Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:

Name None

Address

RECEIVED

MAR 24 1981

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed XX / lease / other contract / dated Nov. 30, 1948, to the undersigned well operator from Mills Wetzel Lands, Inc.

[If said deed, lease, or other contract has been recorded:]

Recorded on Sept. 22, 1980, in the office of the Clerk of the County Commission of Wetzel County, West Virginia, in Deed Book 60A at page 381. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail 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.

09/08/2023

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 346-3092

BLANKET BOND

QUAKER STATE OIL REFINING CORPORATION

Well Operator
Carl J. Carlson

By
Its Asst. Dist. Production Manager

A-2

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DILLING CONTRACTOR (IF KNOWN) Clint Hurt & Associates

Address P.O. Box 388

Elkview, WV 25071

GEOLOGICAL TARGET FORMATION, Gordon

Estimated depth of completed well, 3400 feet, Rotary XX / Cable tools /

Approximate water strata depths: Fresh, 150 feet; salt, 1800 feet.

Approximate coal seam depths no mineable coal Is coal being mined in the area? Yes / No XX /

DRILLING AND TUBING PROGRAM

DRILLING 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
Fresh water	8 5/8	J-55	20	XX		350	350	cemented to	surface
Intermediate									Sizes
Production	4 1/2	K-55	9.5	XX		3400	3400	450 sx	Depths set
Tubing									
Packers									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling . This permit shall expire if operations have not commenced by 11-30-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

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.

09/08/2023

Date: , 19

By
Its

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name QUAKER STATE OIL REFG. CORP. Designated Agent Carl J. Carlson
Address P.O. Box 1327, Parkersburg, WV Address P.O. Box 1327, Parkersburg, WV
Telephone 614-423-9543 Telephone 614-423-9543
Landowner Lewis Wetzel Hunting Ground Soil Cons. District Upper Ohio SCD

Revegetation to be carried out by QUAKER STATE OIL REFG. CORP. (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections
and additions become a part of this plan. 3/20/81 (Date) Reynolds E. Mason (SCD Agent)

Access Road		Location	
Structure	<u>Cross Drains</u> (A)	Structure	<u>Ditch</u> (1)
Spacing	<u>100' or less</u>	Material	<u>Soil</u>
Page Ref. Manual	<u>1:5</u>	Page Ref. Manual	<u>1:11</u>
Structure	_____ (B)	Structure	<u>Sediment Barrier</u> (2)
Spacing	_____	Material	<u>Gravel or Brush</u>
Page Ref. Manual	_____	Page Ref. Manual	<u>1:15</u>
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. All brush and small timber
to be cut and removed from site before dirt work begins.

Revegetation

<u>Treatment Area I</u>		<u>Treatment Area II</u>	
Lime	_____ Tons/acre	Lime	_____ Tons/Acre
or correct to pH	<u>6.5</u>	or correct to pH	_____
Fertilizer	<u>600</u> lbs/acre	Fertilizer	_____ lbs/acre
	(10-20-20 or equivalent)		(10-20-20 or equivalent)
Mulch	<u>Straw 2</u> Tons/Acre	Mulch	_____ Tons/Acre
Seed*	<u>Ky 31 Fescue 45</u> lbs/acre	Seed*	_____ lbs/acre
	_____ lbs/acre		_____ lbs/acre
	_____ lbs/acre		_____ lbs/acre

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

Attach or photocopy section of involved Topographic map. Quadrangle Pine Grove.

Legend:  Well Site
 Access Road

RECEIVED

MAR 24 1981

OIL & GAS DIVISION
DEPT. OF MINES

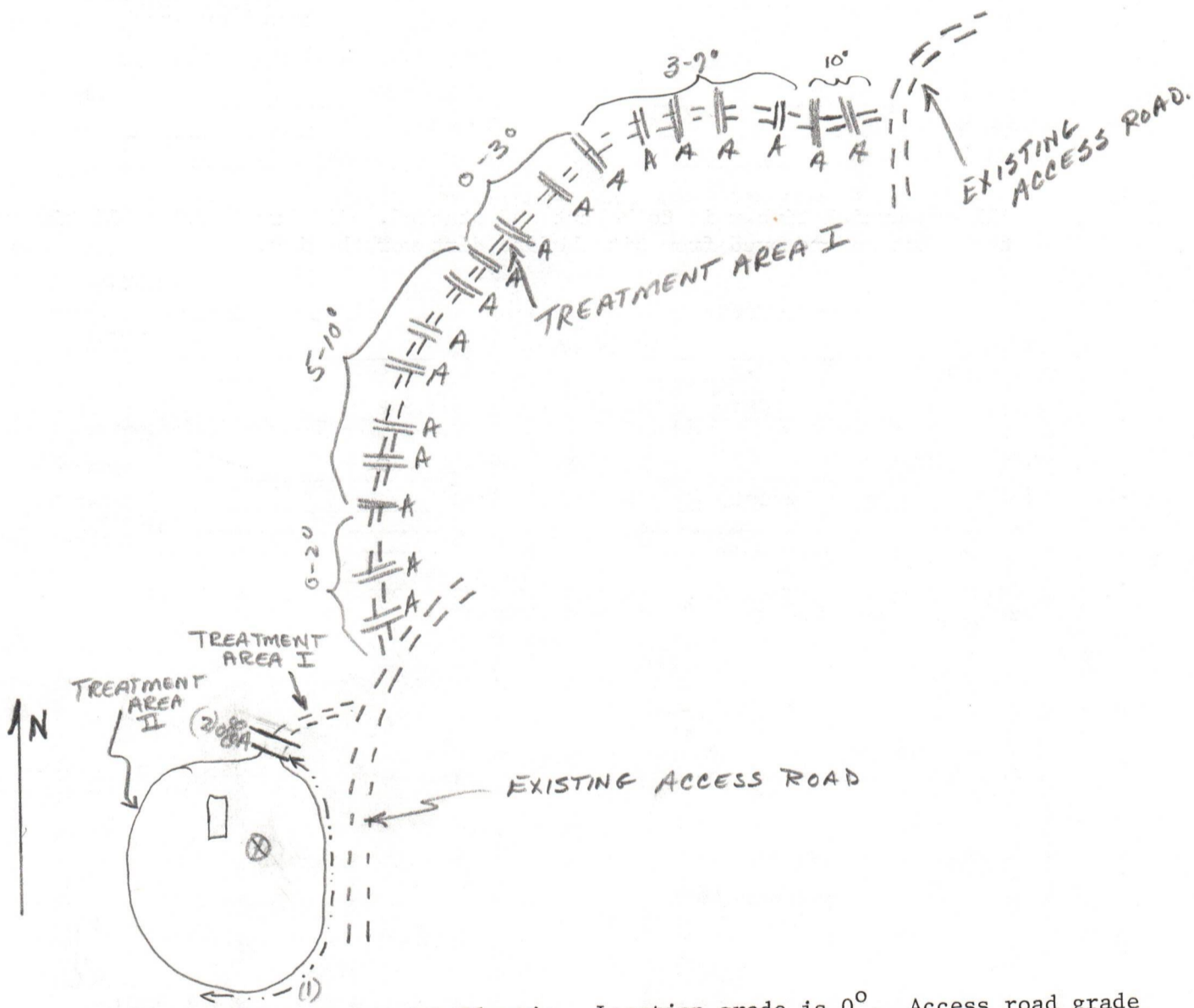
09/08/2023

A-5

Well Site Plan

- Legend:
- Property Boundry
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch
 - Diversion
 - Spring
 - Wet Spot
 - Building
 - Drain Pipe
 - Waterway

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



Comments: Pit will belined with Plastic. Location grade is 0°. Access road grade varies 2 - 10°. Cross drain locations to be flagged out under supervision of DNR service forester. Interceptor ditch to be constructed at base of slope on east side of location. Soil is type C.

Signature:

Agent

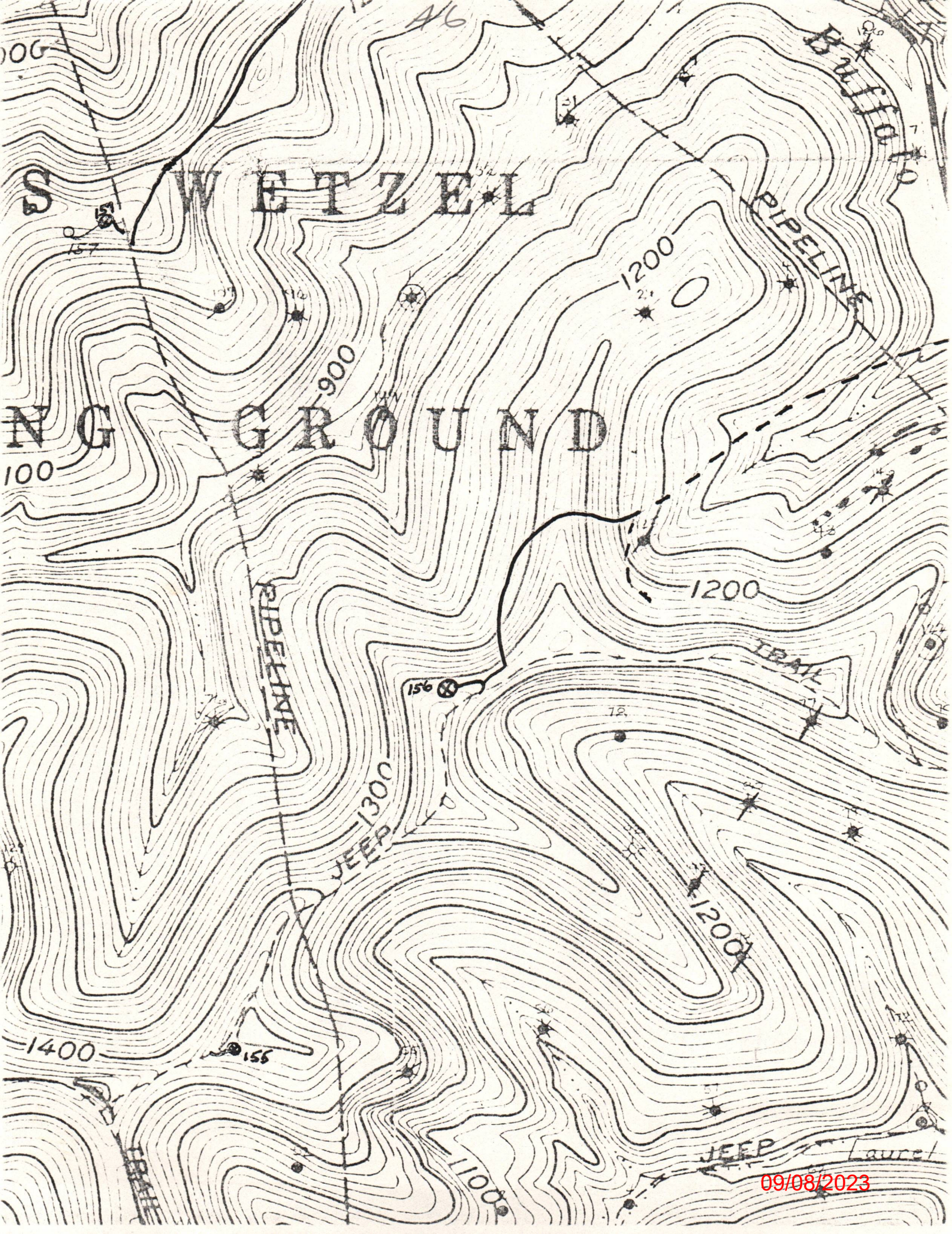
P.O. Box 1327, Parkersburg, WV
Address

614-423-9543

09/08/2023

Carl J. Carlson

Please request landowners cooperation to protect new seeding for one growing season.



09/08/2023

RECEIVED

MAR 24 1981

OIL & GAS DIVISION
DEPT. OF MINES

09/08/2023

B-1

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

Date September 11, 1981

FORM IV-35
(Obverse)

Operator's
Well No. J. MILLS, JR. #156

[08-78,

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 103 - 1226
State County Permi-

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil XX / Gas ___ / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)

LOCATION: Elevation: 1430 Watershed: Buffalo Run
District: Grant County: Wetzel Quadrangle: Pine Grove 7.5'

WELL OPERATOR QUAKER STATE OIL REFG. CORP. DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327 Address P.O. Box 1327
Parkersburg, WV 26102-1327 Parkersburg, WV 26102-1327

PERMITTED WORK: Drill XX / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

PERMIT ISSUED ON March 30, 19 81 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Phillip L. Tracy
Address Rt. #3
Alma, WV 26320

GEOLOGICAL TARGET FORMATION: Gordon Depth 3254 - 3304 feet
Depth of completed well, 3385 feet Rotary XX / Cable Tools ___
Water strata depth: Fresh, na feet; salt, 1816 feet.
Coal seam depths: na Is coal being mined in the area? NO
Work was commenced 7/13/81, 19 81, and completed 7/18/81, 19 81

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
Fresh water	8 5/8	J-55	20	XX		393	393	125 cu. ft.	
Coal									Sizes
Intermediate									
Production	4 1/2	K-55	9.5	XX		3362	3362	500 SX	Deaths set
Tubing									
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 3254 - 3304 feet
Gas: Initial open flow, SHOW Mcf/d Oil: Initial open flow, SHOW Bbl/d
Final open flow, 6 Mcf/d Final open flow, 10 Bbl/d
Time of open flow between initial and final tests, --- hours
Static rock pressure, 250 psig (surface measurement) after 12 hours shut in

09/08/2023

[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
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 measurement) after _____ hours shut in

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated from 3260 to 3290 with 31 shots.

Frac'd with 780 bbl. water and 28,000# of 20/40 sand.

Breakdown at 2000 psi, treated at 2325 psi and 34.8 BPM. I.S.I. 1900 psi.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale			0	1005	
Sandstone			1005	1064	
Shale			1064	1163	
Sandstone			1163	1184	
Shale			1184	1273	
Sandstone			1273	1305	
Shale & Siltstone			1305	1686	
Sandstone			1686	1711	
Shale			1711	1766	
Sandstone & Shale			1766	1816	
Salt Sands			1816	2216	
Shale			2216	2386	
Little Lime			2386	2398	
Pencil Cave			2398	2415	
Big Lime			2415	2483	
Big Injun			2483	2684	
Shale			2684	3241	
Gordon Stray			3241	3243	
Shale			3243	3254	
Gordon			3254	3304	
Shale			3304	4485 D.T.D.	

(Attach separate sheets to complete as necessary)

QUAKER STATE OIL REFINING CORPORATION

Well Operator

By

Michael C. Brannock

Its

Michael C. Brannock - Sr. Geologist

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

09/08/2023



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

WALTER N. MILLER
DIRECTOR

May 20, 1982

Quaker State Oil Refining Corp.
P. O. Box 1327
Parkersburg, W. V. 26101

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

<u>PERMIT NO.</u>	<u>FARM AND WELL NO.</u>	<u>DISTRICT</u>
WET-1198-FRAC.	John Mills, Jr., #1	Grant
WET-1199-FRAC.	John Mills, Jr., #125	Grant
WET-1200-FRAC.	John Mills, Jr., #138	Grant
WET-1224	Mills Wetzel Lands, Inc./J. Mills, Jr. #154	Grant
WET-1225	Mills Wetzel Lands, Inc./John Mills, Jr. #155	Grant
WET-1226	Mills Wetzel Lands, Inc./John Mills, Jr. #156	Grant
WET-1227	Mills Wetzel Lands, Inc./John Mills, Jr. #157	Grant

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved..... ..

ss

Very truly yours,

Fred Burdette

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

INSPECTOR'S WELL REPORT

Permit No. 103-1226

Oil or Gas Well _____
(KIND)

Company Quaker State
 Address Parkersburg W. Va
 Farm mills wetzel lands
 Well No. 156
 District Grant County wetzel
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

RECEIVED

APR 19 1982

Drillers' Names _____

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Remarks: Final Inspection accepted

4-15-82
DATE

R.A. Lowther 512
09/08/2023
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

09/08/2023

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
 NOV 17 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 103-1226 County Wetzel
 Company Quaker State Farm mills wetzel hands
 Inspector _____ Well No. 156
 Date _____

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	<u>✓</u>	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	<u>✓</u>	_____
25.01	Necessary Equipment to prevent Waste	<u>✓</u>	_____
23.03	Reclaimed Drilling Site	<u>✓</u>	_____
23.04	Reclaimed Drilling Pits	<u>✓</u>	_____
23.05	No surface or underground Pollution	<u>✓</u>	_____
7.03	Identification Markings	<u>✓</u>	_____

COMMENTS: This well was drilled before I started to work

I have inspected the above well and (HAVE) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: R.A. Lowther
 DATE: 11-15-83

09/08/2023

RECEIVED

NOV 1 1983

OFF & GAS DIVISION

DEPT. OF MINES

[Faint handwritten notes, possibly "Dept of Mines"]

[Faint handwritten notes, possibly "11-1-83"]

[Large area of extremely faint, illegible handwritten text]

[Faint handwritten signature or initials]

09/08/2023

OCT 20 1981
OIL & GAS DIVISION
DEPT. OF MINE

1.0 API well number. (If not available, leave blank. 14 digits.)	<u>47 103 2 1226 ** 14</u>									
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA	<u>T</u>	<u>N/A</u> Category Code							
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)	<u>3290</u> feet									
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	<u>Quaker State Oil Refining Corporation</u> Name <u>P.O. Box 1327</u> Street <u>Parkersburg</u> City			<u>015540</u> Seller Code						
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<u>Grant District</u> Field Name <u>Wetzel County</u> County									
(b) For OCS wells:	<u>N/A</u> Area Name	<u>N/A</u> Block Number	Date of Lease: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> </tr> <tr> <td style="text-align: center;"><u>N/A</u></td> <td style="text-align: center;"><u>N/A</u></td> <td style="text-align: center;"><u>N/A</u></td> </tr> </table>		Mo.	Day	Yr.	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Mo.	Day	Yr.								
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>								
(c) Name and identification number of this well. (35 letters and digits maximum.)	<u>John Mills, Jr. # 156</u>									
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.)	<u>Gordon</u>									
6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)	Tentative: <u>Consolidated Gas Supply Corporation</u> Name			Buyer Code —						
(b) Date of the contract:	<u>Under Negotiation</u> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>				Mo.	Day	Yr.			
Mo.	Day	Yr.								
(c) Estimated annual production:	<u>2.19</u> MMcf.									
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)						
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	<u>Under Negotiation</u>	---	---	<u>Under Negotiation</u>						
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	<u>2.501</u>	---	---	<u>2.501</u>						
9.0 Person responsible for this application	<u>Carl J. Carlson</u> Name <u>Dist. Prod. Mgr.</u> Title			Signature 						
Agency Use Only Date Received by Juris. Agency <u>OCT 20 1981</u> Date Received by FERC	<u>September 23, 1981</u> Date Application is Completed		<u>614-423-9543</u> Phone Number							

FT790806/2 2

09/08/2023

FEB 22 1982

PARTICIPANTS:

DATE: _____

BUYER-SELLER CODE

WELL OPERATOR: Quaker State Oil Refining Corp.

015540

FIRST PURCHASER: ^{Tentative:} Consolidated Gas Supply Corp.

004228

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
811020-103-103-1226
 Use Above File Number on all Communications
 Relating to Determination of this Well

CK1500

~~103-1199-12-1~~

~~Approved for B.P. and ...~~

APPROVED

J. H. ...

MAR 26 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. All 20 8.0 bsc
 - 2. IV-1 Agent Carl J. Carlson
 - 3. IV-2 Well Permit _____
 - 4. IV-6 Well Plat
 - 5. IV-35 Well Record Drilling Deepening
 - 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
 - 7. IV-39 Annual Production _____ years
 - 8. IV-40 90 day Production _____ Days off line: _____
 - 9. IV-48 Application for certification. Complete?
 - 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
 - 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
 - (5) Date commenced: 7-13-81 Date completed 7-18-81 Deepened
 - (5) Production Depth: 2254-3304
 - (5) Production Formation: Gordon
 - (5) Final Open Flow: 6 MCF
 - (5) After Frac. R. P. 250 # 12 hrs
 - (6) Other Gas Test: _____
 - (7) Avg. Daily Gas from Annual Production: _____
 - (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
 - (8) Line Pressure: _____ PSIG from Daily Report
 - (5) Oil Production: yes From Completion Report 10 BBL
 - 10-17. Does lease inventory indicate enhanced recovery being done No
 - 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes 09/08/2023
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

J

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

Date September 23, 1981

Operator's Well No. Mills # 156

API Well No. 47 - 103 - 1226
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Carl J. Carlson

ADDRESS P.O. Box 1327
Parkersburg, W.Va. 26101

WELL OPERATOR Quaker State
ADDRESS P.O. Box 1327

LOCATION: Elevation 1430
Watershed Buffalo Run

John Mills # 156

$$P_1 = 250$$

$$X = \frac{53.34}{TR}$$

$$G = 0.72$$

$$L = 3385'$$

$$TR = TE + 460'$$

$$TE = 69'$$

103-1226

$$\begin{aligned} BHP &= P_1 + P_1 (e^X - 1) \\ &= 250 + 250 \left[\frac{(1.090)^{3385}}{25.1769} - 1 \right] \\ &= 250 + 250 \left(e^{0.086} - 1 \right) \\ &= 250 + 250 (1.090 - 1) \\ &= 250 + 22.6 \\ &= 272.6 \end{aligned}$$

T

reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Carl J. Carlson

STATE OF WEST VIRGINIA,

COUNTY OF Wood, TO WIT:

I, Andree J. Renhardt a Notary Public in and for the state and county aforesaid, do certify that Carl J. Carlson, whose name is signed to the writing above, bearing date the 23 day of September, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 23 day of September, 1981.

My term of office expires on the 27 day of April, 1982.

[NOTARIAL SEAL]

Andree J. Renhardt
Notary Public 09/08/2023



Date September 23, 1981

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

Operator's Well No. Mills # 156
API Well No. 47 - 103 - 1226
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Carl J. Carlson

ADDRESS P.O. Box 1327
Parkersburg, W. Va. 26101

WELL OPERATOR Quaker State

LOCATION: Elevation 1430

ADDRESS P.O. Box 1327

Watershed Buffalo Run

Parkersburg, W. Va. 26101

Dist. Grant County Wetzel Quad Pine Grove

GAS PURCHASER Consolidated Gas Supply Corp.

Gas Purchase Contract No. Under

ADDRESS 495 West Main Street

Meter Chart Code Negotiation

Clarksburg, W. Va. 26301

Date of Contract _____

* * * * *

Date surface drilling was begun: 7-13-81

Indicate the bottom hole pressure of the well and explain how this was calculated:

250 psig after 12-hour shut-in period.

AFFIDAVIT

I, Carl J. Carlson, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Carl J. Carlson

STATE OF WEST VIRGINIA,

COUNTY OF Wood, TO WIT:

I, Gregory J. Renfart a Notary Public in and for the state and county aforesaid, do certify that Carl J. Carlson, whose name is signed to the writing above, bearing date the 23 day of September, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 23 day of September, 1981.

My term of office expires on the 27 day of April, 1982.

[NOTARIAL SEAL]

Gregory J. Renfart
Notary Public

09/08/2023

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

Date September 23, 1981

Operator's Well No. Mills # 156

API Well No. 47 - 103 - 1226
State County Permit

Previous File No. N/A
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Quaker State

DESIGNATED AGENT Carl J. Carlson

ADDRESS P.O. Box 1327

ADDRESS P.O. Box 1327

Parkersburg, W.Va. 26101

Parkersburg, W.Va. 26101

Gas Purchase Contract No. Under Negotiation and Date _____
(Month, day and year)

Meter Chart Code _____

Name of First Purchaser Consolidated Gas Supply Corporation
445 West Main Street
(Street or P. O. Box)
Clarksburg, W.Va. 26301
(City) (State) (Zip Code)

FERC Seller Code 015540

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 103 Section of NGPA N/A Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Carl J. Carlson Dist. Prod. Mgr.
Name (Print) Title

Carl J. Carlson
Signature

P.O. Box 1327
Street or P. O. Box

Parkersburg, W.Va. 26101
City State (Zip Code)

(614) 423-9543
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

Sent by certified mail.

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978, (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

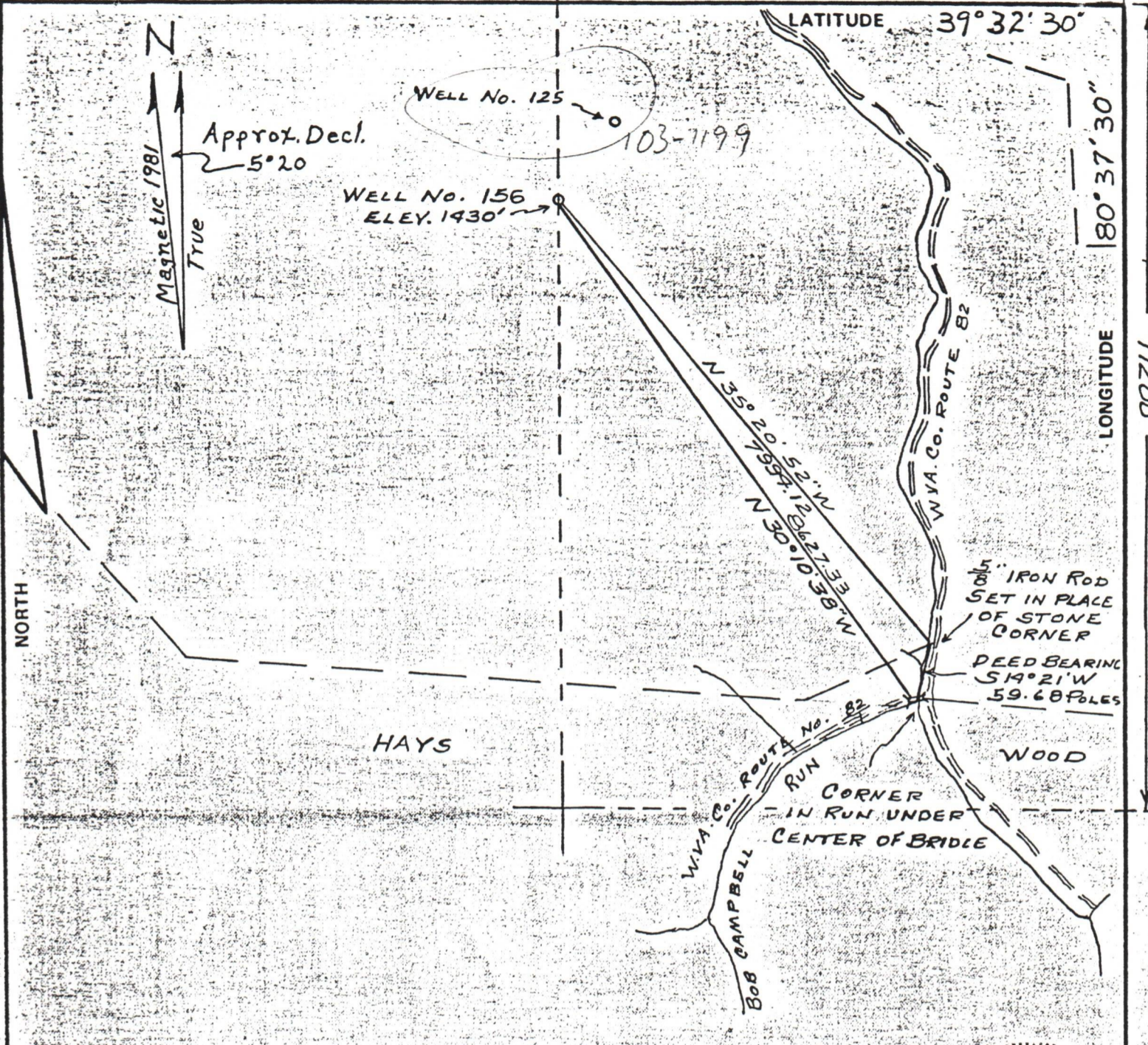
WEST VIRGINIA DEPARTMENT OF MINES

OCT 20 1981

Date received by Jurisdictional Agency

J. H. [Signature]
Director
Title _____

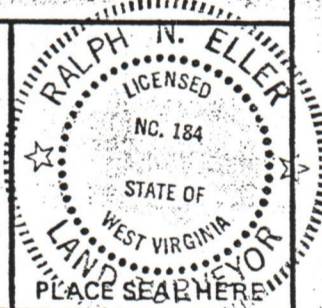
09/08/2023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION B.M. R-138
823'

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) Ralph N. Eller
 R.P.E. _____ L.L.S. No. 184



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

FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE FEB. 28, 1981
 OPERATOR'S WELL NO. 156
 API WELL NO. 47-103-1226
 STATE COUNTY PERMIT

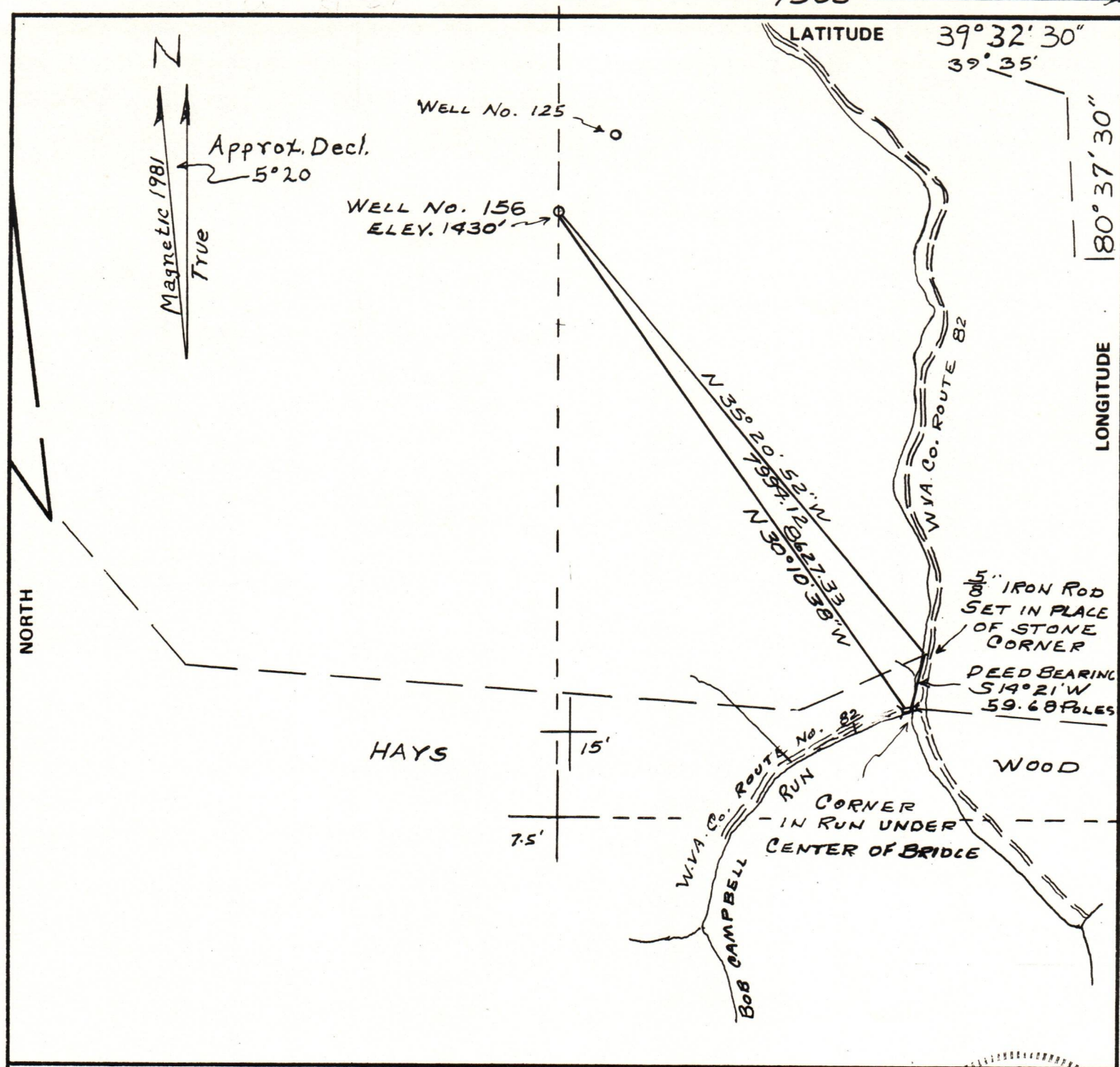
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1430' WATER SHED BUFFALO RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE PINE GROVE

SURFACE OWNER LEWIS WETZEL HUNTING GROUND ACREAGE 5228.50
 OIL & GAS ROYALTY OWNER MILLS WETZEL LANDS INC. LEASE ACREAGE 5228.50
 LEASE NO. W-195

09/08/2023

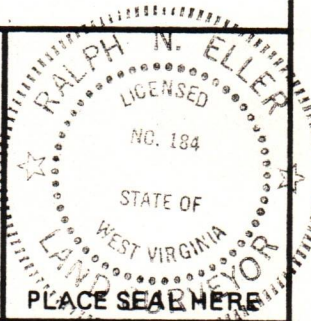
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION GORDON ESTIMATED DEPTH 3400
 WELL OPERATOR QUAKER STATE OIL REF. CORP. DESIGNATED AGENT CARL J. CARLSON
 ADDRESS P.O. Box # 1327 ADDRESS P.O. Box # 1327
PARKERSBURG, W.VA. 26101 PARKERSBURG, W.VA. 26101



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION B.M. R-138
82.3'

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) Ralph N. Eller
 R.P.E. _____ L.L.S. No. 184



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



DATE FEB. 28, 1981
 OPERATOR'S WELL NO. 156
 API WELL NO. _____
47 - 103 - 1226
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1430' WATER SHED BUFFALO RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE PINE GROVE
 SURFACE OWNER LEWIS WETZEL HUNTING GROUND ACREAGE 5228.50
 OIL & GAS ROYALTY OWNER MILLS WETZEL LANDS INC. LEASE ACREAGE 5228.50 09/08/2023
 LEASE NO. W-195
 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 3400
 WELL OPERATOR QUAKER STATE OIL REF. CORP. DESIGNATED AGENT CARL J. CARLSON
 ADDRESS P.O. Box #1327 ADDRESS P.O. Box #1327
PARKERSBURG, W.VA. 26101 PARKERSBURG, W.VA. 26101