Rev. — 71

A-1

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

RECEIVED 10-10-80 OCT - 2 1980 OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 1, 1980

Surface Owner Lewis Wetzel Hunting Ground
Address Charleston, WV 25305
Mineral Owner Mills Wetzel Lands, Inc.
Address 10 S. LaSalle Street, Chicago, IL 60600
Coal Owner Mills Wetzel Lands, Inc.
Address same as above
Coal Operator None
Address

Company QUAKER STATE OIL REFG. CORP.
Address P.O. Box 1327, Parkersburg, WV 26101
Farm John Mills, Jr. Acres 5228.5
Location (waters) Buffalo Run
Well No. 125 Elevation 1220
District Grant County Wetzel
Quadrangle Pine Grove 7.5'

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for fracturing. This permit shall expire if operations have not commenced by 6-14-81.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phillip L. Tracy
ADDRESS Rt. #3, Alma, WV 26320
PHONE 758-4573

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 30, 1948 by Mills Wetzel Lands Inc. made to QUAKER STATE OIL REFG. CORP and recorded on the 22 day of Sept. 1980 in Wetzel County, Book 60A Page 381

____ NEW WELL ____ DRILL DEEPER ____ REDRILL XXX FRACTURE OR STIMULATE XXX OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address 1st. day October before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, QUAKER STATE OIL REFINING CORP.

(Sign Name) Carl J. Carlson
Well Operator

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Carl J. Carlson
P.O. Box 1327,
Street

Parkersburg,
City or Town

West Virginia 26101
State

*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

09/08/2023

47-103-1199-FRAC.
PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by Carl J. Carlson

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN XXX FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known)
NAME QUAKER STATE OIL REFG. CORP.
ADDRESS P.O. Box 1327, Parkersburg, WV 26101
TELEPHONE 614-423-9543

RESPONSIBLE AGENT:
NAME Carl J. Carlson
ADDRESS P.O. Box 1327, Parkersburg, WV 26101
TELEPHONE 614-423-9543

ESTIMATED DEPTH OF COMPLETED WELL: 2330'
ROTARY _____ CABLE TOOLS XXX
PROPOSED GEOLOGICAL FORMATION: Big Injun

TYPE OF WELL: OIL XXX GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE In Hole	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
13"	16	16	
10"	332	0	
8 1/4"	1402	0	
6 5/8"	2162	2162 on BHP	
5 3/16"	2330	2330 on BHP	
3 Pull 5 3/16" and run 4 1/2" to 2330' and cemented about			Perf. Top
2 Big Injun.			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS NA FEET _____ SALT WATER NA FEET _____
APPROXIMATE COAL DEPTHS Pittsburgh coal 882' _____, _____.
IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, $100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

09/08/2023

_____
For Coal Company

_____
Official Title

#22

Form IV-9
(01-80)

Date October 1, 19 80
Well No. John Mills, Jr. #125
API No. 47 - 103 - 1199-FRAc
State County Permit

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 26101 Address P.O.Box 1327, Parkersburg, WV 2610
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 reveiwed by Upper Ohio SCD. All corrections and additions become a part of this plan. 10/3/80 (Date) Kenneth R. Mason (SCD Agent)

Access Road			Location		
Structure	Cross drains	(A)	Structure		(1)
Spacing	100' or less		Material		
Page Ref. Manual	1:5		Page Ref. Manual		
Structure	Culverts	(B)	Structure		(2)
Spacing	100' or less		Material		
Page Ref. Manual	1:7		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. All brush and small timber to be cut and removed from 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	
Fertilizer 600 (10-20-20 or equivalent)	lbs/acre	Fertilizer (10-20-20 or equivalent)	lbs/acre
Mulch Straw 2	Tons/Acre	Mulch	Tons/Acre
Seed* Ky31 Fescue 45	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 Center Point 7.5'

Legend: ⊕ Well Site
—— Access Road

See attached topo map copy

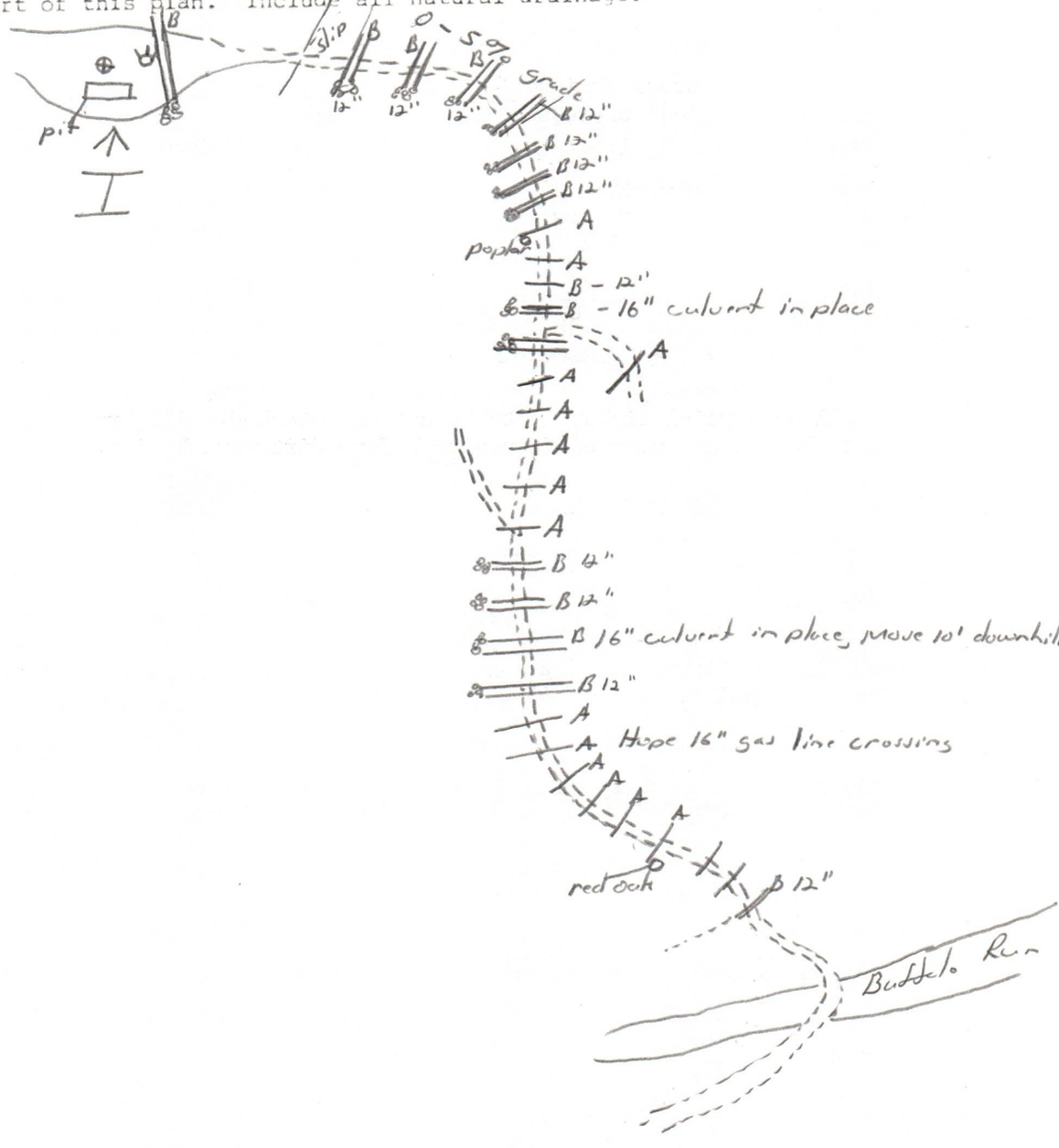
RECEIVED 09/08/2023
OCT 10 1980
OIL & GAS DIVISION
DEPT. OF MINES

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.



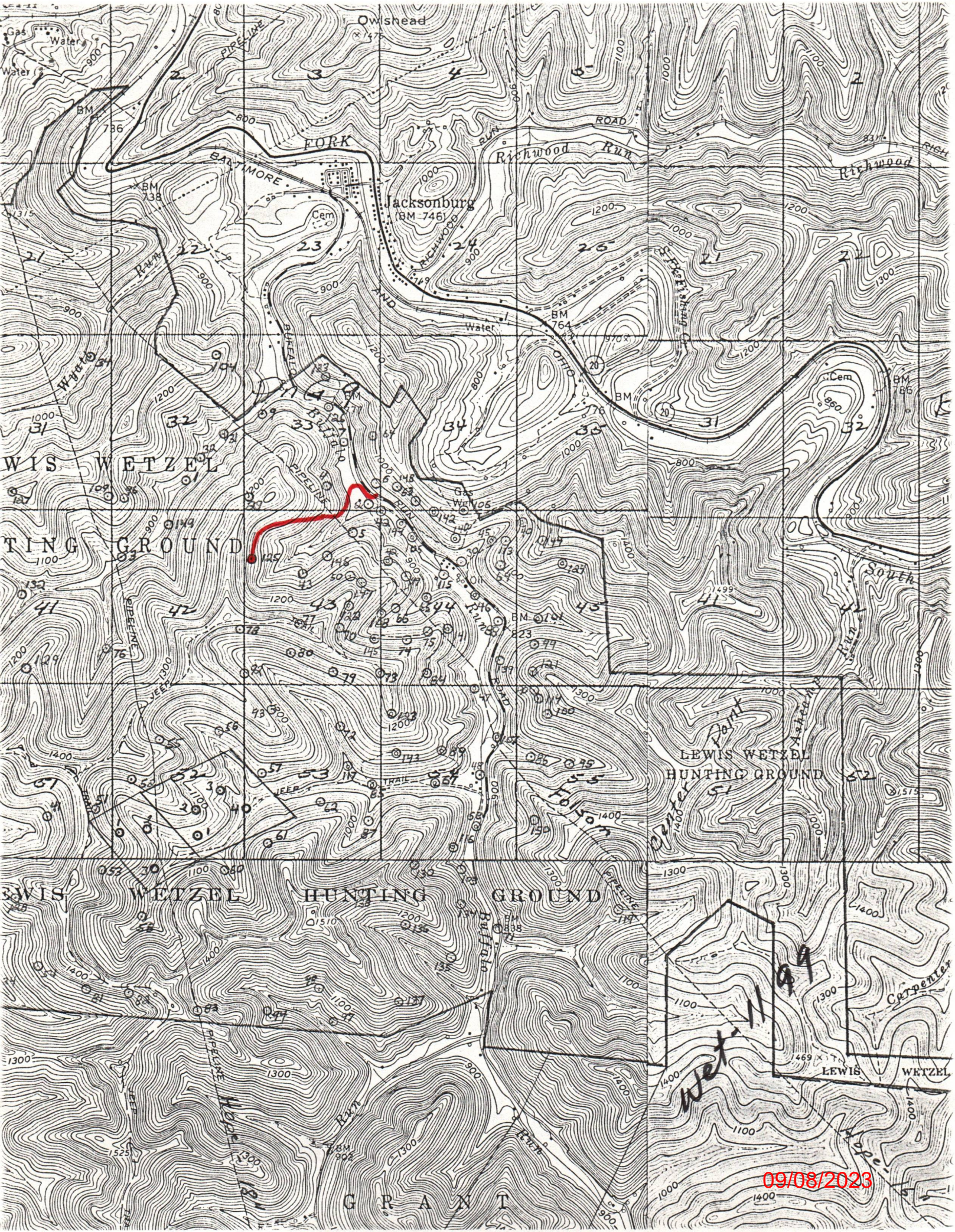
Comments: Ditch relief cross drains and culverts flagged out under supervision of Service Forester of DNR, location grad 0%. Road grade varies from 10 to 20%. No additional road to be constructed.

Signature: Carl J. Carlson P.O. Box 1327, Parkersburg, WV 26101 614-423-9543
Agent Address Phone

09/08/2023

Carl J. Carlson, Asst. Dist. Manager

Please request landowners cooperation to protect new seeding for one growing season. Soil type is mixture of type B & C. Cross drains and culverts approximately 100' apart. Cross drains will be maintained after construction is completed.


Owlshead
Gas
Water
Water
BM 736
BM 738
FORK
BALTIMORE
AND
OHIO
Jacksonburg
(BM 746)
Cem
Richwood Run
Richwood
ROAD
Water
BM 764
BM
Cem
BM 786
PIPELINE
Buffalo
Run
WIS WETZEL
TING GROUND
Gas
Wells
South
Run
Ashland
Point
Carpenter
LEWIS WETZEL
HUNTING GROUND
JEEP
TRAIL
WIS WETZEL HUNTING GROUND
Buffalo
Run
Carpenter
LEWIS WETZEL
Wet 1199
GRANT
09/08/2023

RECEIVED
OCT 1 0 1980
OIL & GAS DIVISION
DEPT. OF MINES

OG-10
Rev. - 9-71

B-1

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED
OCT - 2 1980
OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Pine Grove 7.5'

Permit No. ____

Company QUAKER STATE OIL REFG. CORP.
Address P.O.Box 1327, Parkersburg, WV 26101
Farm John Mills, Jr. Acres 5228.5
Location (waters) Buffalo Run
Well No. 125 Elev. 1220
District Grant County Wetzel
The surface of tract is owned in fee by Lewis Wetzel Hunting Ground
Address Charleston, WV 25305
Mineral rights are owned by Mills Wetzel Lands, Inc.
Address 10 S. LaSalle St., Chicago, IL
Drilling Commenced Sept. 9, 1912
Drilling Completed Nov. 29, 1912
Initial open flow show cu. ft. show bbls.
Final production show cu. ft. per day 8 BOPD 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"	16'	16'	
-10"	332'	332'	
9 5/8			
8 1/4	1402'	0	
6 5/8	2162	2162 on	BHP
5 3/16	2330	2330 on	BHP
4 1/2			
3			
2		* see below	
Liners Used			

Attach copy of cementing record.

Well treatment details:
Shot on 12/3/12 with 40 qts nitro
Shot on 3/12/17 with 80 qts. nitro
Shot on 8/5/43 with 90 qts. nitro
* Tubing parted. Fished pumping line and tubing to around 2820'.
Mud left on top of fish with rock bridge from 2430' to 2450'.

Coal was encountered at 882 Feet ____ Inches
Fresh water NA Feet ____ Salt Water NA Feet ____
Producing Sand Gordon Depth 3006 - 3019

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			882			
Little Dunkand Sand			1287	1304		
Big Dunkard Sand			1402	1426		
Big Lime			2152	2203		
Big Injun Sand			2204	2475		
Gordon Stray			2968	3000	show of oil and gas	
Gordon Sand			3006	3019		

09/08/2023

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

09/08/2023

Date October 1, 19 80

APPROVED QUAKER STATE OIL REFG. CORP. Owner

By Michael C. Brannock

(Title)

Michael C. Brannock - Sr. Geologist

B-2

FORM IV-35
(Obverse)

[08-78]

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

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Date: October 6, 1981

Operator's Well No. JOHN MILLS, JR. #125

API Well No. 47 - 103 - 1109F
State County Permit

WELL TYPE: Oil XX / Gas ____ / Liquid Injection ____ / Waste Disposal ____ /

(If "Gas", Production ____ / Underground storage ____ / Deep ____ / Shallow ____ /)

LOCATION: Elevation: 1220 Watershed: Buffalo Run

District: Grant County: Wetzel Quadrangle: Pine Grove 7.5'

WELL OPERATOR QUAKER STATE OIL REFG. CORP.
Address P.O. Box 1327
Parkersburg, WV 26102-1327

DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327
Parkersburg, WV 26102-1327

PERMITTED WORK: Drill ____ / Convert ____ / Drill deeper ____ / Redrill ____ / Fracture or stimulate XX

Plug off old formation ____ / Perforate new formation ____ /

Other physical change in well (specify) _____

PERMIT ISSUED ON Oct. 14, 1981

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19____)

OIL & GAS INSPECTOR FOR THIS WORK:
Name Phillip L. Tracy
Address Rt. #3
Alma, WV 26320

GEOLOGICAL TARGET FORMATION: Big Injun Depth 2203 - 2425 feet

Depth of completed well, 2425 feet Rotary ____ / Cable Tools XX

Water strata depth: Fresh, na feet; salt, na feet.

Coal seam depths: 882' Is coal being mined in the area? no

Work was commenced April 13, 1981, and completed September 15, 1981

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	13					16	16	Old well record	Kinds
Fresh water	10					332	0		
Coal	8 1/4					1402	0		Sizes
Intermediate	6 5/8					2162	2162 on BHP		
Production	4 1/2	K-55	9.5	xx		2324	2324	50 sx	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

RECEIVED
OCT 8 - 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2203 - 2425 feet

Gas: Initial open flow, --- Mcf/d Oil: Initial open flow, --- Bbl/d

Final open flow, show Mcf/d Final open flow, 1 Bbl/d

Time of open flow between initial and final tests, -- hours

Static rock pressure, 75 psig (surface measurement) after 24 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

FORM IV-35
(Reverse)
[08-78]

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

Perforated from 2206 to 2263 with 17 shots.

Frac'd on 8/26/81 with 519 bbl. water and 9000# of 10/20 sand.
Breakdown at 2100 psi, treated at 3022 psi and 27 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
Pittsburgh Coal				882	
Little Dunkard			1287	1304	
Big Dunkard			1400	1426	
Shale			1426	1485	
Sandstone			1485	1618	
Shale			1618	1676	
Sandstone			1676	1744	
Shale			1744	1795	
Sandstone			1795	1840	
Shale			1840	1893	
Sandstone			1893	1905	
Shale			1905	2108	
Little Lime			2108	2122	
Pencil Cave			2122	2118	
Big Lime			2118	2203	
Big Injun			2203	2425	L.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

09/08/2023

NOTE: Regulation 2.02(i) provides as follows:

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

B'

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. 103-1199-F
Company Quaker State
Inspector
Date

County wetzell
Farm John Mills
Well No. 125

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 Strength		
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to prevent Waste	✓	
23.03	Reclaimed Drilling Site	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No surface or underground Pollution	✓	
7.03	Identification Markings	✓	

COMMENTS: This well was Drilled before I started to work

I have inspected the above well and (HAVE/HAVE NOT) 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

B'

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:

PERMIT NO.	FARM AND WELL NO.	DISTRICT
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..... ..

Very truly yours,

Fred Burdette

Fred Burdette

09/08/2023

OG-11

B'

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

Well Record

INSPECTOR'S WELL REPORT

Permit No. 103-1199 F

Oil or Gas Well (KIND)

Company Quaker State

Address Parkersburg W.Va.

Farm John Mills Jr

Well No. 125

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
8¼			
6⅝			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

FEET INCHES FEET INCHES

RECEIVED

APR 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Drillers' Names

Remarks:

Final Inspection accepted

4-16-82

DATE

R. A. Lowther 512

DISTRICT WELL INSPECTOR

09/08/2023

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:

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

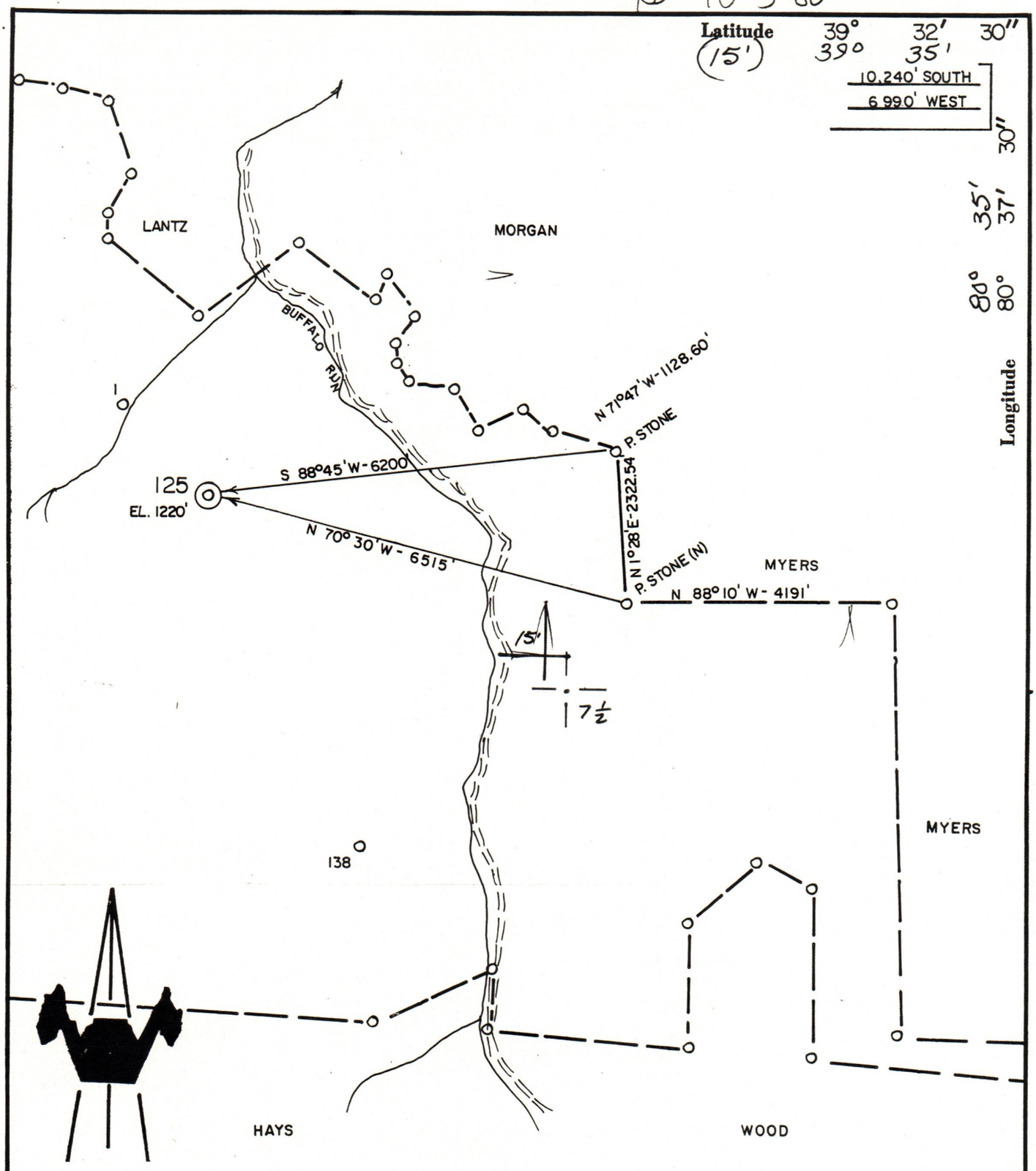
DATE

09/08/2023

_____

DISTRICT WELL INSPECTOR

D 10-3-80



ACCURACY: 1′/200′

New Location ☐
Drill Deeper ☐
Abandonment ☐
Fracture ■
Redrill ☐
Other _____

Formation ~~GORDON~~
Est. Depth ~~2300′~~

Oil ■
Gas ☐
Other _____

Source of Elevation B.M. ON BUFFALO (823′)

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.

Chet Waterman

Company QUAKER STATE OIL REF. CORP.
Address PARKERSBURG, WV
Surface Owner LEWIS WETZEL HUNTING GROUND
Mineral Owner MILLS WETZEL LANDS, INC.
Farm JOHN MILLS, JR.
Well No. 125 **Acres** 5228.5
Elevation 1220′ LITTLETON 15′
Quadrangle PINE GROVE **Series** 7.5′
County WETZEL **District** GRANT
Date 9/24/80 **Scale** 1″ = 2000′

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

CHARLES WATERMAN
REGISTERED
No. 3788
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

09/08/2023

WELL LOCATION MAP

47 – 103 – 1199 FRAC
STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
Engineer CHET WATERMAN
Engineer's Registration No. 3788 **File No.** 80-558

2330 BIG INJUN