

RECEIVED
MAY 16 1985



1) Date: May 9, 1985
 2) Operator's Well No. SILAS SPENCER #2
 3) API Well No. 47 -017- 3434
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas XX /
 B (If "Gas", Production XX / Underground storage / Deep / Shallow XX)
 5) LOCATION: Elevation: 871.7' Watershed: Wolfpen Run
 District: West Union 8 County: Doddridge Quadrangle: West Union 7.5'
 6) WELL OPERATOR QUAKER STATE OIL REFINING CORP. 7) DESIGNATED AGENT SAMUEL J. BARBER
 Address P.O. Box 1327 Address P.O. Box 1327
Parkersburg, WV 26101 Parkersburg, WV 26101
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Harold Mike Underwood Name Lee Smith Drilling
 Address Route 2, Box 114 Address P.O. Box 150
Salem, WV 26426 (304) 782-1043 Lawrenceville, IL 62439
 10) PROPOSED WELL WORK: Drill XX / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
 11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5230' feet
 13) Approximate strata depths: Fresh, 141' feet; salt, 397' feet.
 14) Approximate coal seam depths: 375' Is coal being mined in the area? Yes / No XX

15) 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		
Conductor								Kinds
Fresh water	8 5/8"	H-40	20	X		974'	974'	C.T.S.
Coal								Sizes
Intermediate								
Production	4 1/2"	J-55	9.5	X		5230'	5230'	400 SX OR AS REQUIRED BY RULE 15:01
Tubing	2"	J	4.5	X		--	5230'	Perforations:
Liners								Top Bottom

PIT LINER TO BE USED.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3434 Date June 5 19 85

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 5, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>123</u>	Agent: <u>✓</u>	Plat: <u>MU</u>	Casing: <u>MH</u>	Fee: <u>13030</u>
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Margaret J. Hasse
 Administrator, Office of Oil and Gas

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

DEPT. OF MINES, OIL & GAS DIV.

JUL 1 1985

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

APPLICATION FOR A WELL WORK PERMIT

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15) 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	<u>11 3/4</u>					<u>200'</u>	<u>200'</u>	<u>C.T.S. NEAT</u>	
Fresh water	<u>8 5/8</u>	<u>H-40</u>	<u>20</u>	<u>X</u>		<u>1770</u>	<u>1770</u>	<u>C.T.S. NEAT</u>	
Coal									
Intermediate									
Production	<u>4 1/2</u>	<u>J-55</u>	<u>9.5</u>	<u>X</u>		<u>5230'</u>	<u>5230'</u>	<u>400 SX</u>	<u>OR AS REQUIRED BY</u>
Tubing	<u>2"</u>	<u>J</u>	<u>4.5</u>	<u>X</u>		<u>--</u>	<u>5230'</u>	<u>RULE 15:01</u>	<u>Depths set</u>
Liners									<u>Perforations:</u>
<u>PIT LINER TO BE USED</u>									<u>Top</u> <u>Bottom</u>

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 DRILLING PERMIT

Permit number 47-017-3434 Date June 5 19 85

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 Permit expires June 5, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>123</u>	Agent: <u>✓</u>	Plat: <u>MU</u>	Casing: <u>MN</u>	Fee: <u>30</u>
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Revised casing approved 7-11-85
M.H.
Margaret J. Hase

Administrator, Office of Oil and Gas

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

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

10/20/2023 Permit



1) Date: May 9, 1985
 2) Operator's Well No. SILAS SPENCER #2
 3) API Well No. 47 -017-
 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 XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 871.7' Watershed: Wolfpen Run
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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									Kinds
Fresh water	<u>8 5/8"</u>	<u>H-40</u>	<u>20</u>	<u>X</u>		<u>974'</u>	<u>974'</u>	<u>C.T.S.</u>	Sizes
Coal									Depths set
Intermediate									Depths set RULE 15:01
Production	<u>4 1/2"</u>	<u>J-55</u>	<u>9.5</u>	<u>X</u>		<u>5230'</u>	<u>5230'</u>	<u>400 SX</u>	
Tubing	<u>2"</u>	<u>J</u>	<u>4.5</u>	<u>X</u>		<u>--</u>	<u>5230'</u>		Perforations:
Liners									Top Bottom
<u>PIT LINER TO BE USED.</u>									

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By 123 MU MXI 13030 _____
 Its _____ Date 5/27

 (Signature) _____ Date: _____

 (Signature) _____ Date: _____

10/20/2023
 Surface Owner

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF W. Va.,
COUNTY OF Wood :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. Silas Spence #2 located in West Union District, Doddridge County, West Virginia, upon the person or organization named--

Clifford H. Kraft + Susan M. Kraft

--by delivering the same in Rosne County, State of W. Va. on the 14th day of May, 1985 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him / her or, because he / she refused to take it when I offered it, by leaving it in his / her presence.

Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee / officer / director / attorney in fact / named _____.

David R. Perkins
(Signature of person executing service)

Taken, subscribed and sworn before me this 14th day of May, 1985.
My commission expires 4/24/91

William C. Blaney
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

RECEIVED
SEP 5 1985

SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL & GAS
DRILLING PIT WASTE DISCHARGE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Quaker State Oil Ref. Corp.
2. Mailing Address Box 98 Jacksonburg W. Va 26377
street city state zip
3. Telephone 889-2300 4. Well Name Silas Spencer #2
5. Latitude 39° 22' 30" Longitude 80° 45' 00"
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-017-3434
8. County Doddridge 9. Nearest Town West Union
10. Nearest Stream Wolfpen Run 11. Tributary of Middle Island
12. Will Discharge be Contracted Out? yes no
13. If Yes, Proposed Contractor There was no fluid in pit
Address State Imp. Mike Underwood said to
Telephone go ahead & fill & send in this sheet
14. Proposed Disposal Method: UIC Land application
Off Site Disposal Reuse Centralized Treatment
Thermal Evaporation Other X NO Fluid in pit
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

REDI-NOTE

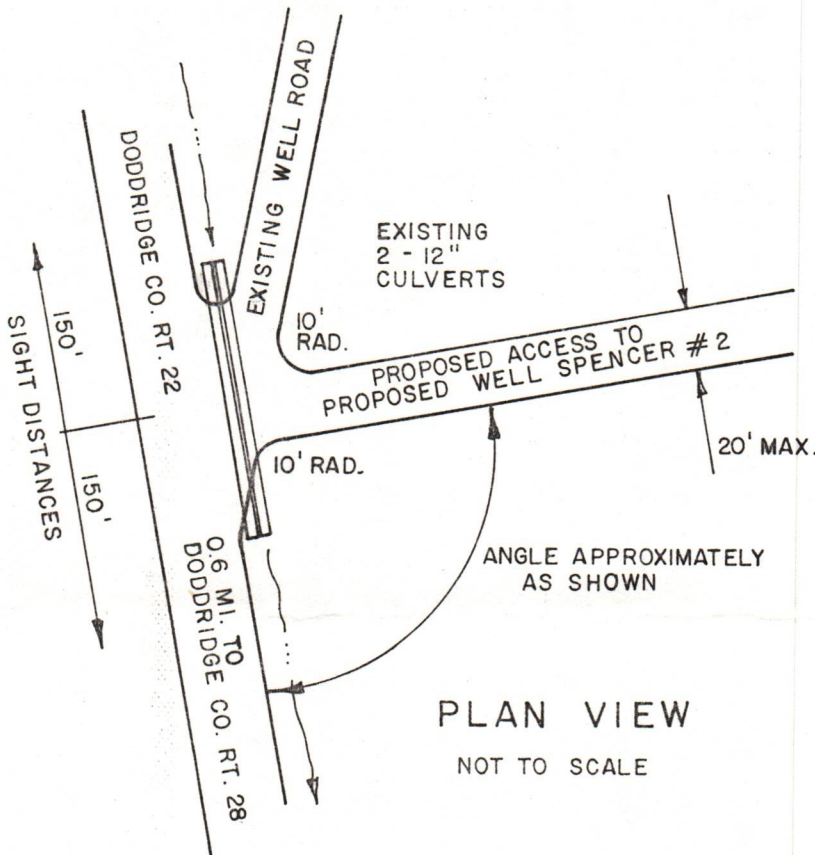
DATE Sept. 3, 1985

TO Ms. Margaret Hesse
SUBJECT Silas Spencer #2 - Doddridge Co.
Permit # 47-017-3434 West Union District

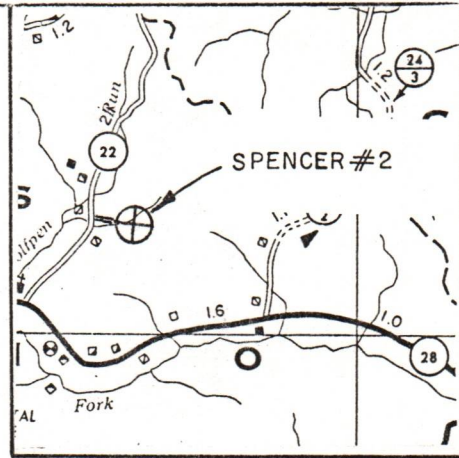
Please advise if \$50 check needs to sent for this application is all still "new" to me

RECEIVED
SEP 5 1985

Thanks for your patience
Quaker State Oil Refining Corporation
614 423-9543
SIGNED Pat Gallagher



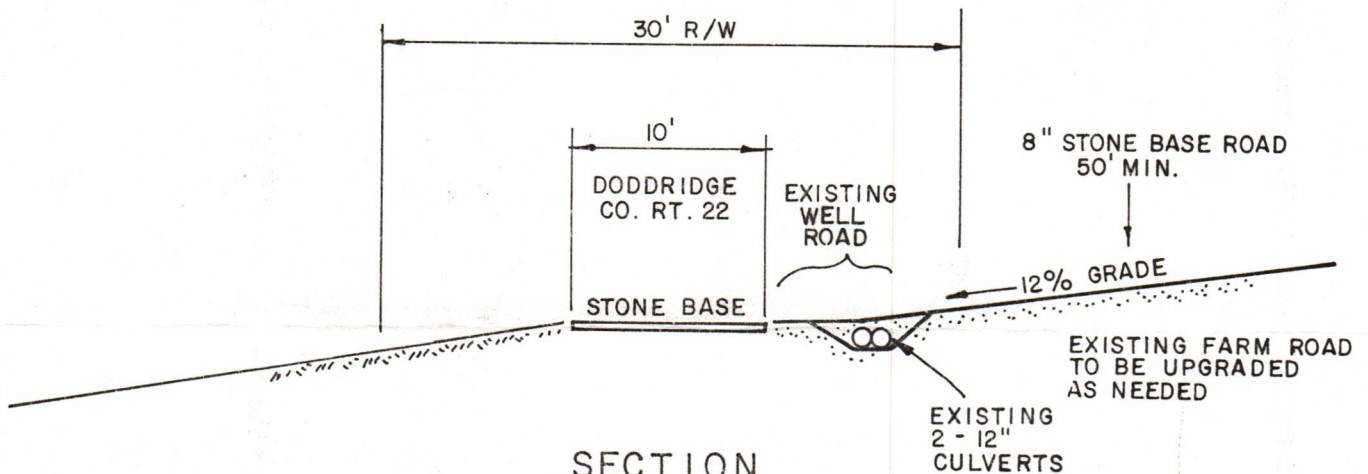
PLAN VIEW
NOT TO SCALE



VICINITY MAP
SCALE: 1" = 1 MILE

RECEIVED
MAY 9 1985

GEOL. DEPT.



SECTION
NOT TO SCALE

For Quaker State Oil Refining Corporation		
Title PLAT SHOWING PROPOSE PRIVATE APPROACH TO DODDRIDGE CO. RT. 22		
Drawn by	SARC	4-85
Engineer	JSB	4-85
Checked by	RVS	4-85
Prepared by:	MSES Consultants, Inc.	
Date		10/20/2023
SCALE AS SHOWN		Dwg. No.
		SPENCER #2
		1

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



IV-35
(Rev 8-81)

FEB 13 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date August 14, 1985
Operator's
Well No. #2
Farm SILAS SPENCER
API No. 47 - 017 - 3434

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

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

LOCATION: Elevation: 871.7' Watershed Wolfpen Run
District: West Union County Doddridge Quadrangle West Union 7.5'

COMPANY QUAKER STATE OIL REFINING CORPORATION

ADDRESS P.O. Box 1327; Parkersburg, WV 26101

DESIGNATED AGENT Samuel F. Barber

ADDRESS P.O. Box 1327; Parkersburg, WV 26101

SURFACE OWNER Clifford & Susan Kraft

ADDRESS Otto Star Route, Box 117-E; Spencer, WV 25276

MINERAL RIGHTS OWNER Silas Smith, et ux

ADDRESS RFD #2; West Union, WV 26456

OIL AND GAS INSPECTOR FOR THIS WORK

Mike Underwood ADDRESS Rt. 2, Box 114; Salem, WV 26426

PERMIT ISSUED June 05, 1985

DRILLING COMMENCED July 08, 1985

DRILLING COMPLETED July 17, 1985

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	203'	203'	145 sx
9 5/8			
8 5/8	1729'	1729'	395 sx
7			
5 1/2			
4 1/2	4949'	4949'	225 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5108 feet

Depth of completed well 5243' feet Rotary XX / Cable Tools

Water strata depth: Fresh feet; Salt feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4827-4832 feet

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

Final open flow 60 Mcf/d Oil: 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
(If applicable due to multiple completion--)

Second producing formation Riley Pay zone depth 4385-4431 feet

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

Final open flow Co-mingled Mcf/d Oil: 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

(Continue on reverse side)

DODD 3434

10/20/2023

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

Perforated from 4839-4843 w/ 9 shots; 4397-4406' w/ 19 shots.

Fractured w/ 640 bbls 75% N₂; 350 sx 20/40 sand. Breakdown @ 2600 PSI.

Treated @ 3000 PSI. Avg. rate @ 12 BPM. I.S.I.P @ 2850 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
Sand & shale			0	1010	
Salt Sands			1010	1648	Salt water
Shale			1648	1738	
Little Lime			1738	1759	
Shale			1759	1782	
Big Lime			1782	1871	
Keener			1871	1912	Gas
Shale			1912	1921	
Big Injun			1921	1966	Gas
Shale			1966	2109	
Weir			2109	2199	Gas
Shale			2199	2308	
Berea			2308	2324	Gas (slight)
Shale			2324	2526	
Gordon			2526	2552	Gas
Shale			2552	3171	
Warren			3171	3230	Gas (slight)
Shale			3230	4385	
Riley			4385	4431	Gas
Shale			4431	4827	
Benson			4827	4832	Gas
Shale			4832	5109	
Alexander			5109	5151	
Shale			5151	5243	TOTAL DEPTH

(Attach separate sheets as necessary)

OUAKER STATE OIL REFINING CORPORATION
Well Operator

By: Jeffrey Hill, Geologist *Jeffrey Hill* 10/20/2023

Date: August 14, 1985

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."

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUN 1 1 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT OF MINES

Permit No. 017-3434 NEW ISSUE

Oil or Gas Well _____
(KIND)

Company <u>QUAKER STATE Oil</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>CLIFORD KRAFT</u>	16			Kind of Packer _____
Well No. <u>SPENCER 2nd</u>	13			
District <u>WEST UNION</u> County <u>Dodd</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/2			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Status Report

Remarks: Visit Site, ON REQUEST OF QUAKER STATE, AND LAND OWNER TO LOOK AT COMMENT SENT IN BY CLIFORD KRAFT. I SEE NO PROBLEMS WITH PLANS AS THEY ARE. O.K. TO APPROVE PERMIT.

6-3-85
DATE

Mike Underwood
DISTRICT WELL INSPECTOR

10/20/2023

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 3 - 1985

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 017-3134

Oil or Gas Well _____
(KIND)

Company <u>Quaker State,</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>CLIFFORD KRAFT -</u>	16			Kind of Packer _____
Well No. <u>SPENCER 2#</u>	13			
District <u>WEST UNION</u> County <u>Dodd.</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

Status Report

*Visit site to make sure location AND ROAD WAS
BUILT TO plan's, BECAUSE CLIFFORD REQUESTED them TO
stay to there plans, location BUILT AND ROAD @ rock
AND CULTURETS - in - HAY STAKED BELOW CULTURET. good JOB -*

6-25-85
DATE

Mike Anderson
DISTRICT WELL INSPECTOR

10/20/2023

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
JUL 16 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 017-3434

Oil or Gas Well _____
(KIND)

Company <u>Quaker State</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>CLIFFORD KRAFT</u>	16			Kind of Packer _____
Well No. <u>SPENCER 2#</u>	13			
District <u>WEST UNION</u> County <u>DODD</u>	10			Size of _____
Drilling commenced <u>7-8-85</u>	8 1/4			
Drilling completed _____ Total depth _____	6 1/2			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water <u>3"</u> <u>AT</u> <u>30'</u> feet feet				
Salt water _____ feet feet				

CASING CEMENTED 11 3/4 SIZE 202 No. FT. 7-9-85 Date

NAME OF SERVICE COMPANY HALLIBURTON 105-SKS

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Smith — Big 8 — Bill Perry

Remarks: Big Report

Visit Rig, for SURFACE JOBS — ROAD AND pit REAL good
T.D. 15" Hole AT 210' BAW 11 3/4

7-9-85
DATE

Mike Underwood
DISTRICT WELL INSPECTOR

10/20/2023

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
JUL 16 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 017-3434

Oil or Gas Well _____
(KIND)

Company <u>QUAKER STATE</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>CLIFFORD KRAFT</u>	16			Kind of Packer _____
Well No. <u>SPENCER 2nd</u>	13			
District <u>WEST UNION</u> County <u>Redd</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water <u>1" at 500'</u> feet				
Salt water _____ feet				

CASING CEMENTED 8 5/8" SIZE 17 7/8' No. FT. 7¹² 85 Date

NAME OF SERVICE COMPANY HALLIBURTON 395-SKS

COAL WAS ENCOUNTERED AT NO FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Smith - Rig 8 - Bill Perry

Remarks: Rig Report

Visit Rig for 8 5/8" JOB T.D. 10 5/8' - AT 1709'
RAN 8 5/8" - CEMENT TO SURFACE

7-12-85
DATE

Mike Underwood
10/20/2023
DISTRICT WELL INSPECTOR

DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

ENERGY

RECEIVED
AUG 13 1985

INSPECTOR'S WELL REPORT

Permit No. 017-3434

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Oil or Gas Well _____
(KIND)

Company <u>Quaker State</u> Address _____ Farm <u>CLIFFORD KRAFT</u> Well No. <u>Silas Spencer 2nd</u> District <u>WEST UNION</u> County <u>DeWitt</u> 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			Kind of Packer _____
	16			Size of _____
	13			Depth set _____
	10			Perf. top _____
	8 1/4			Perf. bottom _____
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			
	2			
Liners Used				

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks:

Status Report

Visit site on request of Quaker State, to look at pit. Before back fill - there's no water to discharge - I told them, O.K. to back fill, just put on the discharge permit. No water and approx by 10/20/2023.

B-6 es

DATE

Alto Underwood

DISTRICT WELL INSPECTOR

10/20/2023

(6-5-85)

IR-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE GAS-Shallow
ELEVATION _____
DISTRICT WEST Union
QUADRANGLE West Union
COUNTY Redd

API# 47-017 - 3434
OPERATOR Dunker State
TELEPHONE _____
FARM Clifford Kraft
WELL # SPENCER 2.

SURFACE OWNER Clifford Kraft COMMENTS YES TELEPHONE _____
TARGET FORMATION Benson DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 6-11-85 NOTIFIED YES DRILLING COMMENCED 7-8-85

WATER DEPTHS 3" at 30', 1" at 500', _____, _____
COAL DEPTHS NO, _____, _____

CASING

Ran 202' feet of 1 1/4" "pipe on 7-9-85 with 145-SKS fill up H.B.
Ran 1772' feet of 8 7/8" "pipe on 7-12-85 with 395-SKS fill up H.B.
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD _____ feet on _____

ENERGY
GAS

PLUGGING

MAY 22 1986

Type	From	To	Pipe Removed

Pit Discharge date: 8-6-85 Type Dryed up - no discharge needed.

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-15-86

Mike Underwood 10/20/2023
Inspector's signature

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION _____
DISTRICT _____
QUADRANGLE _____
COUNTY _____

API# 47- _____
OPERATOR _____
TELEPHONE _____
FARM _____
WELL # _____

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released _____

10/20/2023

Inspector's signature

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank, 14 digits.)	47 - 017 - 2 3434 - **14				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 107	-			
	Section of NGPA	Category Code			
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4843 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Quaker State Oil Refining Corporation Name P.O. Box 1327 Street Parkersburg, W.V. 26101 City State Zip Code			0015540 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	West Union District Field Name Doddridge WV County State				
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	Silas Spencer #2				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Devonian Shale				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Pennzoil Company Name Buyer Code				
(b) Date of the contract:	10 7 0 1 1 7 7 Mo. Day Yr.				
(c) Estimated total annual production from the well:	_____ Million Cubic Feet				
		(a) Base Price	(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.)	S/MMBTU	3 0 2 4	2 9 0	+ . 5 8 0 - . 7 0 0	3 . 1 9 4
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	6 . 0 4 8	_____	_____	6 . 0 4 8
9.0 Person responsible for this application:	Samuel F. Barber District Manager Name Title Signature August 5, 1985 Date Application is Completed (614) 423-9543 Phone Number				

Agency Use Only
Date Received by Juris. Agency AUG 16 1985
Date Received by FERC

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
 (Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA <i>(a)</i>	Category Code <i>(b)</i>	Description <i>(c)</i>
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressed brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) <i>(a)</i>	Purchaser <i>(b)</i>	Buyer Code <i>(c)</i>
1			
2			
3			
4			
5			
6			

Remarks:

AUG 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 5, 19 85 40400

Applicant's Name: Quaker State Oil Ref. Corp.

Address: P.O. Box 1327
Parkersburg, W.V. 26101

Gas Purchaser Contract No. 1769

Date of Contract 7/1/77
(Month, day and year)

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

850816 -1030 -017 - 3434

Use Above File Number on all
Communications Relating to This Well

First Purchaser: Pennzoil P624

Address: 601 Grand Central Ave.,
(Street or P.O. Box)
Vienna, W.V. 26105
(City) (State) (Zip Code)

FERC Seller Code 0015540

Designated Agent: Samuel F. Barber

Address: P.O. Box 1327
Parkersburg, W.V. 26101

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Samuel F. Barber District Prod. Manager
(Print) (Title)

Signature: *Samuel F. Barber*

Address: P.O. Box 1327
(Street or P.O. Box)
Parkersburg, W.V. 26101
(City) (State) (Zip Code)

Telephone: (614) 423-9543
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

10/20/2023

RECEIVED
AUG 16 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

Date August 5, 1985

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

Operator's Well No. Silas Spencer #2

API Well No. 47 - 017 - 3434
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Samuel F. Barber
ADDRESS P.O. Box 1327
Parkersburg, W.V. 26101

WELL OPERATOR Quaker State Oil
ADDRESS P.O. Box 1327
Parkersburg, W.V. 26101

LOCATION: Elevation 871.7
Watershed Wolfpen Run
Dist. West Union County Doddridge Quad. West Union 7.5'

GAS PURCHASER Pennzoil
ADDRESS 601 Grand Central Ave.
Vienna, W.V. 26105

Gas Purchase Contract No. 1769
Meter Chart Code 1013
Date of Contract 7/1/77

* * * * *

Date surface drilling was begun: 7/8/85

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

$$\begin{aligned} \text{BHP} &= P_i + P_o(e^{\gamma-1}) \text{ where } \gamma = \frac{GL}{33.34 T} \\ &= 1500 + 1500 \left(\frac{.70 \times 4840'}{33.34 (108 + 460)} - 1 \right) = 1500 + 1500 (.118) \\ &= 1677 \text{ PSIG} \end{aligned}$$

AFFIDAVIT

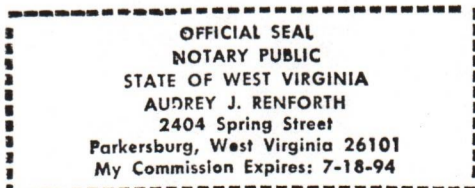
I, Samuel F. Barber, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in 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.

Samuel F. Barber

STATE OF WEST VIRGINIA,
COUNTY OF Wood, TO WIT:

I, Audrey J. Renforth, a Notary Public in and for the state and county aforesaid, do certify that Samuel F. Barber, whose name is signed to the writing above, bearing date the 5th day of August, 1985, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 9th day of August, 1985. My term of office expires on the 18 day of July, 1994.

[NOTARIAL SEAL]



Audrey J. Renforth
Notary Public

10/20/2023

MARGARET

RECEIVED

MAY 20 1985

OIL & GAS DIVISION
DEPT. OF MINES

Clifford and Susan Kraft
Otto Star Rt., Box 117-E
Spencer, W.V. 25276
(304) 927-5936

May 17, 1985

Administrator of the Office of Oil & Gas
W.V. Department of Mines
1615 Washington Street East
Charleston, W.V. 25311

send copy
to
attention

Re: Well operator - Quaker State Oil Refining Corp.
Operator's well # - Silas Spencer #2
API well No. - 47-017-
Location - Wolfpen Run watershed, West Union District, Doddridge Co.,
West Union Quadrangle 7.5'

Comments on proposed gas well drilling plan.

Please note that my wife and I plan to live on the property where the well drilling is planned. We're angered that we were not contacted to discuss alternatives prior to the plan development. Apparently the oil company doesn't consider the landowner's concerns and feelings as important.

We are concerned about property damages including aesthetics, however I'll limit my comments to those items over which you have authority to deny or condition a well work permit.

Item 1 - No comment.

Item 2 - The plan for soil erosion and sediment control is OK with the exception that a 2:1 slope is impractical for the already steep bank of the road cut, however this doesn't bother me since it will be cut into rock. Also, I don't think birdsfoot trefoil is well adapted to the area, so I'd prefer Ladino clover in the bottom and crown vetch for the road cut & fill in association with the grasses.

10/20/2023

RECEIVED

MAY 20 1938

DEPT. OF MINES
OIL & GAS DIVISION

RECEIVED

MAY 20 1985

OIL & GAS DIVISION

DEPT. OF MINES

Damage will occur to Co. Rt 22 (a rock base road) from the heavy truck traffic. Repair of the road damages should be required.

Item 4- The protection of ground water from pollution by gas, oil, and toxic heavy metals associated with the pit wastes ~~is~~ my main concern with the well location as planned. The water source for our house will be ground water and the well location, including the pit, is less than 400 feet ^{upstream} from our dug well. I request that you place as a condition on the permit that the well location be moved upstream at least another 100 feet and preferably 200-300 feet as a precaution against pollution of our water source. Also please require any practices such as lining the pit, proper cementing of fresh water casing, etc. that may help to ensure water quality.

Please send me a list of water testing laboratories that you maintain.

Sincerely,

Clifford H. Kraft

10/20/2023



State of West Virginia

Department of Mines

Charleston 25305

JOHN D. ROCKEFELLER, IV.
Governor

WALTER N. MILLER
Director

June 5, 1985

Clifford & Susan Kraft
Otto Star Route, Box 117E
Spencer, WV 25276

Re: Quaker State Oil Refining Corp., Well - Silas Spencer #2.

Dear Mr. and Mrs. Kraft:

Thank you for your letter in regard to this permit application.

In response to your comments I asked our District Oil and Gas Inspector, Mike Underwood to conduct a field investigation.

We can not require Quaker State to move this location, as it is more than 200 feet from your water well. Mr. Underwood has recommended that the drilling pit be lined, that a temporary sediment barrier of staked hay bales be installed between the location and the creek, and that hay bales be staked at all culvert outlets. We are requiring the afore mentioned measures. Also, an operator is required to circulate Class A Portland (Neat) cement in the annular space outside the fresh water casing.

We have amended the seeding mixture as you requested with Quaker State's agreement.

Regarding damage to the County Route 22, any problems on the public roads must be taken up with the Department of Highways.

I am enclosing the list of water testing laboratories you requested, a copy of the permit as issued and a booklet about surface owner's rights which I think you may find helpful.

If we may be of further assistance please feel free to call me at 348-0138 or call Mr. Underwood at 782-1043.

Sincerely,

Margaret J. Hasse

Margaret Hasse
Petroleum Engineer Specialist

Encl:3
MH/alb

10/20/2023

RECEIVED

JUL 11 1985

OIL & GAS DIV.
DEPT. OF MINES

QUAKER STATE OIL REFINING CORPORATION

PARKERSBURG PRODUCTION DEPARTMENT
1226 PUTNAM HOWE DRIVE
BELPRE, OHIO 45714

PHONE: (614) 423-9543

Mail Address:
Post Office Box 1327
Parkersburg, West Virginia 26101

July 9, 1985

Mrs. Margaret Hasse
State of West Virginia
Department of Mines
Office of Oil & Gas
307 Jefferson Street
Charleston, West Virginia 25305

Re: SILAS SPENCER #2
West Union District
Doddridge County
Permit #47-017-3434

Dear Mrs. Hasse:

This is to confirm our recent conversation regarding the above named well in Doddridge County. In consultation with the inspector, Mike Underwood, the casing program changes are as follows:

200' of 11 3/4" casing, cemented to surface.
1770' of 8 5/8" casing, cemented to surface.

Mr. Underwood verbally agreed to the modifications in a telephone conversation with our Area Engineer, Tim Knobloch. If you have any further questions, please feel free to call me at the Belpre Office.

Thank you for your cooperation.

Sincerely,

QUAKER STATE OIL REFINING CORPORATION



Michael C. Brannock
District Geologist

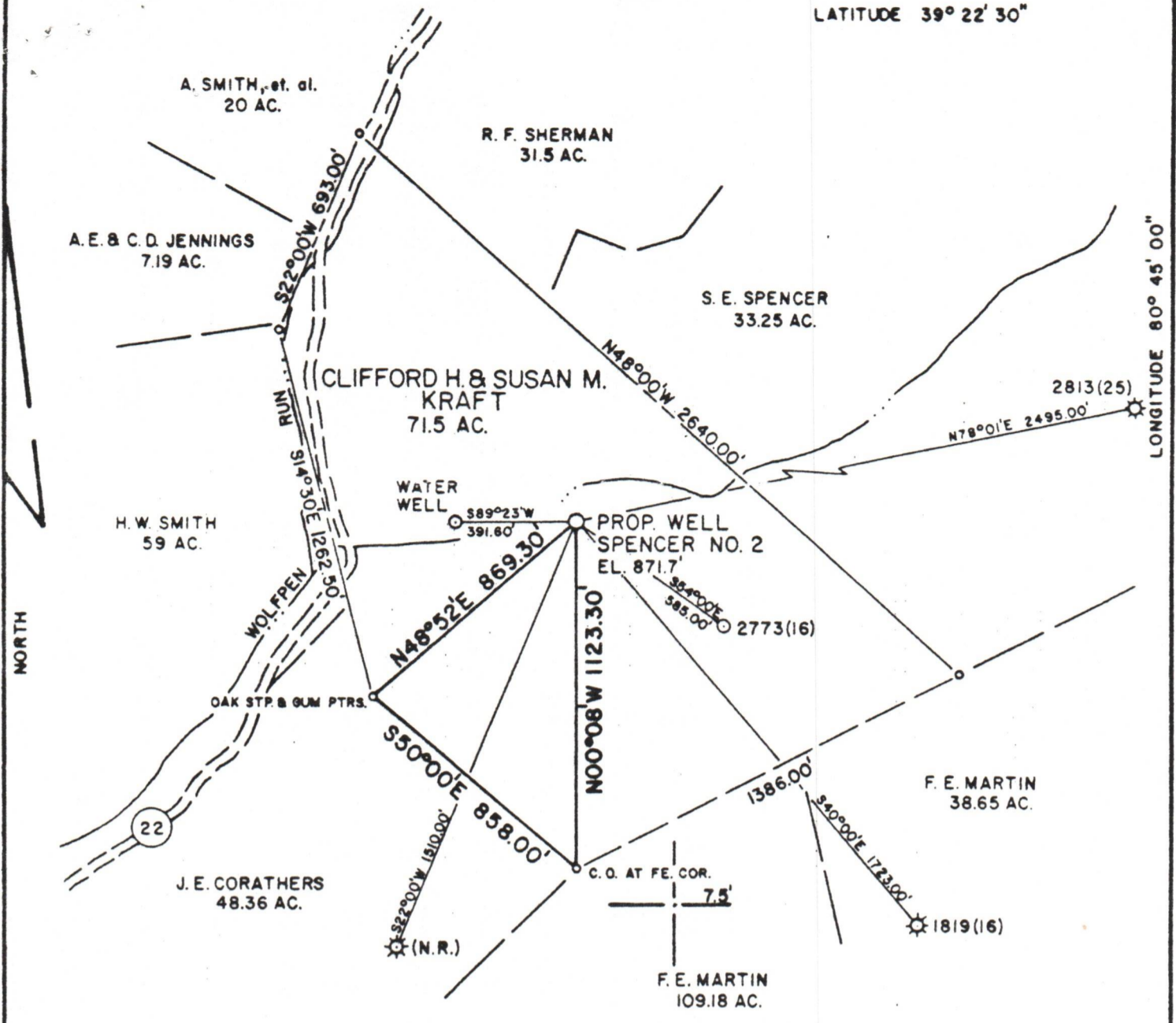
MCB/pat

cc: T. Knobloch

10/20/2023

LATITUDE 39° 22' 30"

LONGITUDE 80° 45' 00"



REFERENCE TIE LINES

PROPOSED WELL TO 10" TWIN ASH S24°44'W 96.8'
PROPOSED WELL TO 4" WALNUT N88°18'W 156.2'

FILE NO. MSES85-633

DRAWN BY TAL

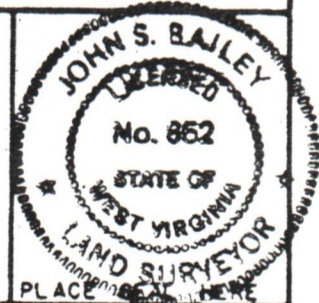
SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1 IN 200

PROVEN SOURCE OF ELEVATION JCT. CO. RTS. 22 & 28 EL. 801' 3500' SW OF LOCATION

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) John S. Bailey
R. P. E. _____, L. C. S. 652



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

FORM IV-6
(8-78)



Department of Mines
Oil & Gas Division

DATE APRIL 11, 19 85
OPERATOR'S WELL NO. SPENCER NO. 2
API WELL NO. 47-017-3434
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
LOCATION: ELEVATION 871.7' WATER SHED WOLF PEN RUN
DISTRICT WEST UNION COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7.5' 1961 (1976)

SURFACE OWNER CLIFFORD H. & SUSAN M. KRAFT ACREAGE 71.5
OIL & GAS ROYALTY OWNER CLIFFORD H. & SUSAN M. KRAFT LEASE ACREAGE 71.5
LEASE NO. _____ **10/20/2023**

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 ALEXANDER ESTIMATED DEPTH 5230'
WELL OPERATOR Quaker State Oil Refining Corporation DESIGNATED AGENT _____
ADDRESS P.O. BOX 1327 PARKERSBURG, WV 26101 ADDRESS P.O. BOX 1327 PARKERSBURG, WV 26101

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

5(i) COAL OPERATOR NONE
Address _____

(i) Name Clifford H. & Susan Kraft
Address Otto Star Route, Box 117-E
Spencer, West Virginia 25276

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name NONE
Address _____

(ii) Name _____
Address _____

Name _____
Address _____

(iii) Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD
Name NONE
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.

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.
 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 QUAKER STATE OIL REFINING CORP.

By Samuel F. Barber
Its District Production Manager
Address P.O. Box 1327
Parkersburg, WV 26101
Telephone (614) 423-9543

Samuel F. Barber
this 9th day of May, 19 85.
My commission expires 11/14, 19 85.

Patricia Gallagher Moore
Notary Public, Washington County,
State of Ohio

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

See Exhibit "A"





IV-9
(Rev 8-81)

DATE April 12, 1985

WELL NO. Spencer #2

API NO. 01WV 3434

State of West Virginia
Department of Mines
Oil and Gas Division

RECEIVED
MAY 9 1985

Rec'd. (WFSCD)

APR 19 1985 CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Quaker State Oil Refining Corp.
Address P. O. Box 1327 Parkersburg, WV 26101
Telephone (614) 423-9543

DESIGNATED AGENT Carl J. Carlson
Address P. O. Box 1327 Parkersburg, WV 26301
Telephone (614) 423-9543

GEOL. DEPT.

LANDOWNER Clifford H. & Susan M. Kraft SOIL CONS. DISTRICT West Fork
Revegetation to be carried out by Quaker State Oil Refining Corp. (Agent)

This plan has been reviewed by West Fork SCD. All corrections

and additions become a part of this plan:

5/7/85
(Date)
Kenneth E. Knight
(SCD Agent)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

ACCESS ROAD	(15" min I.D.)	LOCATION
Structure	<u>Steel Road Culverts (A)</u>	Structure <u>Diversion Ditch (1)</u>
Spacing	<u>At natural drains according to O & G Manual with ripped outlet</u>	Material <u>Earth</u>
Page Ref. Manual	<u>2-7 to 2-11</u>	Page Ref. Manual <u>2-12 to 2-15</u>
Structure	<u>Drainage Ditch (B)</u>	Structure <u>Rip-Rap (2)</u>
Spacing	<u>Along access road inside road cuts</u>	Material <u>Rock</u>
Page Ref. Manual	<u>2-12 to 2-15</u>	Page Ref. Manual <u>2-9</u>
Structure	<u>Cross Drains (C)</u>	Structure <u>Sediment Barrier (3)</u>
Spacing	<u>As Noted on Sketch with ripped outlet</u>	Material <u>Hay or Straw Bales Staked</u>
Page Ref. Manual	<u>2-1 to 2-4</u>	Page Ref. Manual <u>2-16 to 2-20</u>

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

Lime according to soil test to correct to pH 6.5

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Mulch Hay or Straw 2.0 Tons/acre

Seed* Ky 31 Tall Fescue 40 lbs/acre
Crown vetch Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 lbs/acre

Treatment Area II

Lime according to soil test to correct to pH 6.5

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Mulch Hay or Straw 2.0 Tons/acre

Seed* Ky 31 Tall Fescue 40 lbs/acre
Ladino Clover Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 lbs/acre

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

SARC PAT

PLAN PREPARED BY MSES Consultants, Inc.

ADDRESS 609 West Main Street
Clarksburg, WV 26301
PHONE NO. 304-624-9700 or
304-842-3325 (24-hour)

10/20/2023

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

