



1) Date: February 15, 19 84  
 2) Operator's Well No. QUAKER STATE OIL REFG CORP #1  
 3) API Well No. 47 - 039-4002  
 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 XX / Gas \_\_\_\_\_  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 691.4 Watershed: Wills Creek of Little Sandy Creek  
 District: Elk County: Kanawha Quadrangle: Blue Creek
- 6) WELL OPERATOR QUAKER STATE OIL REFG. CORP. 7) DESIGNATED AGENT Carl J. Carlson  
 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 Jerry Holcomb Name Clint Hurt & Assoc.  
 Address Box 58 Address Box 388  
Indore, WV 25111 Elkview, WV 25071
- 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, Big Injun
- 12) Estimated depth of completed well, 1860 feet  
 13) Approximate strata depths: Fresh, 91 feet; salt, 849 feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_

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 FEB 21 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

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									Kinds
Fresh water	8 5/8	H-40	20	X		100	100	cts	<u>NEAT</u>
Coal or	7	H-40	17	X					Sizes
Intermediate									
Production	4 1/2	J-55	9.5	X		1860	1860	1200	<u>or as req. by rule 95.01</u>
Tubing	2	J	4.5	X		1710	1710	-	Depths set
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-039-4002

February 24, 19 84  
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires February 24, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <u>ls</u>	Plat: <u>MP</u>	Casing: <u>MH</u>	Fee: <u>10251</u>
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T. H. ...  
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) LOCATION: B (H) Gas, Production  
 2) WELL OPERATOR: QUAKER STEAM OIL FIELD CORP.  
 3) DRILLING CONTRACTOR: Cline Rents & Assoc.  
 4) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 5) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 6) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 7) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 8) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 9) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 10) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 11) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
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 13) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 14) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 15) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 16) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)  
 17) APPROXIMATE TRENCH DEPTHS: 100' (oil), 100' (water), 100' (production)

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OIL & GAS DIVISION

Casing or Tubing Type	Size	Grade	Specifications		Footage Intervals		Cement Type	Packers
			Weld Det. R.	Size	For drilling	For well		
Oil	6 1/2	E-40	X	20	100	100	CEMENT	NEAT
Water	7	E-40	X	17	100	100	CEMENT	NEAT
Production	4 1/2	E-35	X	25	100	100	CEMENT	NEAT

OFFICE USE ONLY

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

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

OTHER INSPECTIONS

Reason:	Agent	Blk	Casing	Blk	Blk	Blk
Reason:						
Reason:						

02/16/2024

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.

1) Date: February 15, 1984  
2) Operator's Well No. QUAKER STATE OIL REFG #1  
3) API Well No. 47 -039-4002  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Quaker State Oil Refg. Corp.  
Address P.O. Box 1327  
Parkersburg, WV 26101  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR N/A  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

**RECEIVED**  
FEB 21 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- 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

this 15 day of February, 1984.  
My commission expires July 15, 1985.

Patricia Moore  
Notary Public, Washington County,  
State of Ohio

WELL  
OPERATOR QUAKER STATE OIL REFINING CORPORATION  
By Carl J. Carlson  
Its District Production Manager  
Address P.O. Box 1327  
Parkersburg, WV 26101  
Telephone (614) 423-9543

02/16/2024

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

CONCERNING THE LINE ITEMS:

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

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

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

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

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

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

SEE EXHIBIT "A"

02/16/2024

JAN. 25 1984



IV-9  
(Rev 8-81)

DATE JAN. 16, 1984  
WELL NO. QUAKER STATE NO. 1  
API NO. 47-039-4002

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME QUAKER STATE OIL REF. CORP.  
Address P.O. BOX 1327 PARKERSBURG, W.V. 26101  
Telephone (614) 423-9543 (304) 965-1118  
LANDOWNER QUAKER STATE OIL REF. CORP.  
Revegetation to be carried out by \_\_\_\_\_

DESIGNATED AGENT CARL J. CARLSON  
Address P.O. BOX 1327 PARKERSBURG, W.V. 26101  
Telephone (614) 423-9543  
SOIL CONS. DISTRICT CAPITOL  
CARL J. CARLSON (Agent)

This plan has been reviewed by CAPITOL SCD. All corrections and additions become a part of this plan:

FEB. 9 1984

(Date)

R. C. Alford  
(SCD Agent)

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ACCESS ROAD		LOCATION	
Structure <u>DRAINAGE DITCH</u>	(A)	Structure <u>DRILL PIT</u>	(1)
Spacing <u>AS NEEDED</u>		Material <u>SOIL</u>	
Page Ref. Manual <u>2-12</u>		Page Ref. Manual _____	
Structure _____	(B)	Structure <u>TOPSOIL STORAGE</u>	(2)
Spacing _____		Material <u>EXISTING TOPSOIL</u>	
Page Ref. Manual _____		Page Ref. Manual _____	
Structure _____	(C)	Structure <u>FILTER STRIP</u>	(3)
Spacing _____		Material <u>EXISTING</u>	
Page Ref. Manual _____		Page Ref. Manual <u>2-17</u>	

OIL & GAS DIVISION  
DEPT. OF MINES

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 3 Tons/acre  
or correct to pH 6.5

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

Mulch PAPER @ 3/4  
OR HAY OR STRAW @ 2 Tons/acre

Seed\* KY. 31 FESCUE @ 50 lbs/acre  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
lbs/acre

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6.5

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

Mulch PAPER @ 3/4  
OR HAY OR STRAW @ 2 Tons/acre

Seed\* KY. 31 FESCUE @ 50 lbs/acre  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
lbs/acre

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


PLAN PREPARED BY Bruce Halger 02/16/2024  
B. BRUCE HALGER, L.L.S.


ADDRESS ROUTE 1, BOX 172  
ALLUM CREEK, W.V. 25003  
PHONE NO. (304) 722-4729

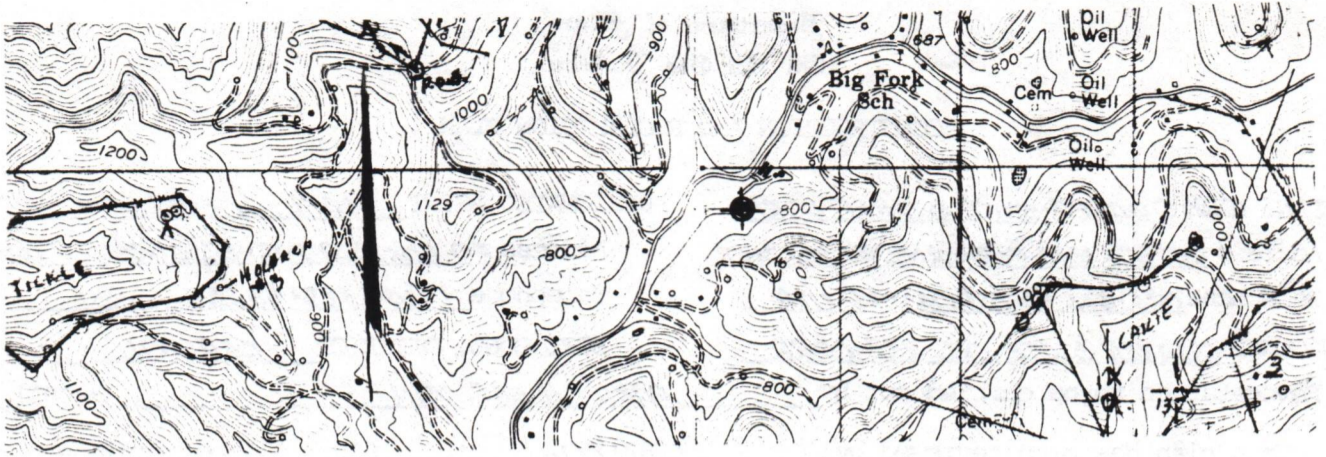
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE BLUE CREEK 7.5'

LEGEND

Well Site 

Access Road 















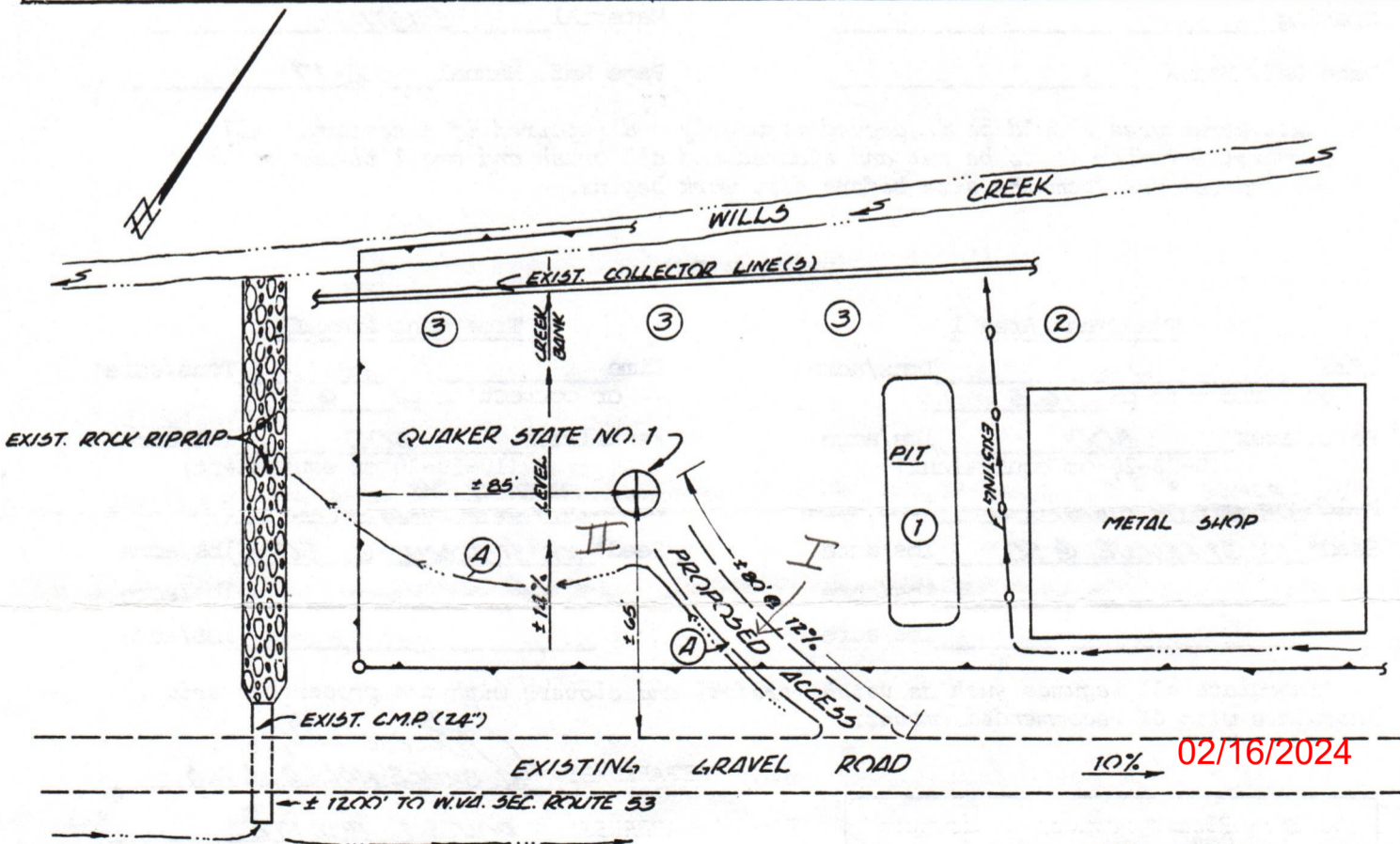
WELL SITE PLAN

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

WATER DIVISION

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



10% 02/16/2024

TOTAL ROAD =  $\pm 80'$  PROPOSED



1) Date: February 15, 1984  
 2) Operator's Well No. QUAKER STATE OIL REFG CORP #1  
 3) API Well No. 47 -039-  
 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 XX / Gas \_\_\_\_\_  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 691.4 Watershed: Wills Creek of Little Sandy Creek  
 District: Elk County: Kanawha Quadrangle: Blue Creek
- 6) WELL OPERATOR QUAKER STATE OIL REFG. CORP. 7) DESIGNATED AGENT Carl J. Carlson  
 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 Jerry Holcomb Name Clint Hurt & Assoc.  
 Address Box 58 Address Box 388  
Indore, WV 25111 Elkview, WV 25071
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 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Big Injun
- 12) Estimated depth of completed well, 1860 feet
- 13) Approximate trata depths: Fresh, 91 feet; salt, 849 feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No XX

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 FEB 21 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINE'S

**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									Kinds
Fresh water	<u>5/8</u>	<u>H-40</u>	<u>20</u>	<u>X</u>		<u>100</u>	<u>100</u>	<u>cts</u>	
Coal	<u>or 7</u>	<u>H-40</u>	<u>17</u>	<u>X</u>					Sizes
Intermediate									
Production	<u>1 1/2</u>	<u>J-55</u>	<u>9.5</u>	<u>X</u>		<u>1860</u>	<u>1860</u>	<u>1200</u>	Depths set
Tubing	<u>2</u>	<u>J</u>	<u>4.5</u>	<u>X</u>		<u>1710</u>	<u>1710</u>		
Liners									Perforations: Top Bottom

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: QUAKER STATE OIL REFINING CORP  
 By [Signature]  
 Its District Production Date 2/15/84  
Manager

\_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_

**02/16/2024**  
 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.





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OCT 29 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia

Department of Mines Oil and Gas Division

Date October 25, 1984

Operator's

Well No. #1

Farm QUAKER STATE OIL REF. CORP.

API No. 47 - 039 - 4002

WELL OPERATOR'S REPORT OF

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: 691.4' Watershed Will Creek of Little Sandy Creek of Elk River District: Elk County Kanawha Quadrangle Blue Creek 7.5'

COMPANY QUAKER STATE OIL REFINING CORPORATION

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

DESIGNATED AGENT Carl J. Carlson

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

SURFACE OWNER Quaker State Oil Refining Corp.

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

MINERAL RIGHTS OWNER Quaker State Oil Ref. Corp.

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

OIL AND GAS INSPECTOR FOR THIS WORK

Rodney Dillon ADDRESS P.O. Box 30; Scarbro, WV 25917

PERMIT ISSUED February 24, 1984

DRILLING COMMENCED April 3, 1984

DRILLING COMPLETED April 6, 1984

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

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8 (161'), 7, 5 1/2, 4 1/2 (1809'), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Big Injun Depth 1692 - 1740 feet

Depth of completed well 1850 feet Rotary XX / Cable Tools

Water strata depth: Fresh N/A feet; Salt 1050 feet

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

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1692 - 1740 feet

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

Final open flow 45 Mcf/d Final open flow 30 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--)

02/16/2024

Second producing formation N/A Pay zone depth feet

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

Final open flow 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)

KAN 4002

RECEIVED

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

Perforated from 1697 - 1737' with 41 holes (1 JSPF)  
 Frac'd with 300 Bbl water; 160 sx 10/20 sand. Breakdown @ 2200 PSI. Avg.  
 treatment 1730 PSI. Avg. rate @ 33 BPM. ISIP @ 1340 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	260	
Sand			260	362	
Shale and siltstone			362	488	
Shale			488	586	
Shale and siltstone			586	1050	
Salt Sands			1050	1352	
Shale			1352	1441	
Maxon Sand			1441	1508	
Little Lime			1508	1550	
Pencil Cave			1550	1556	
Big Lime			1556	1692	
Big Injun			1692	1740	
Shale and siltstone			1740	1850	T.D.

(Attach separate sheets as necessary)

QUAKER STATE OIL REFINING CORPORATION  
 Well Operator

By: Jeffrey W. Hill Jeffrey W. Hill, 02/16/2024  
 Geologist  
 Date: October 26, 1984

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."

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

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APR 10 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 039-4002

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Quaker State</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Parkersburg, WV</u>	Size			
Farm <u>Quaker State Oil</u>	16			Kind of Packer
Well No. <u>Quaker State #1</u>	13			
District <u>EIK</u> County <u>KAN.</u>	10			Size of
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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 _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 8 5/8 SIZE 162 No. FT. 4 1/4

NAME OF SERVICE COMPANY Halliburton

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Clint Hurt Rig 3

Remarks: Cemented 8 5/8 with 75 sacks of Class A Cement Rig drilling at 560 ft. on fluid

4/4/84  
DATE

Looney 02/16/2024  
DISTRICT WELL INSPECTOR



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DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 039-4002

Oil or Gas Well \_\_\_\_\_  
(KIND)

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

Drillers' Names \_\_\_\_\_

Remarks: Drilling on fluid 1750'

4/6/84  
DATE

Rodney B. ...  
02/16/2024  
DISTRICT WELL INSPECTOR



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DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-4002

Oil or Gas Well \_\_\_\_\_  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Quaker State Oil</u>				
Address	<u>Parkersburg, WV</u>	Size			
Farm	<u># Quaker State Refining Co</u>	16			Kind of Packer _____
Well No.	<u>#1</u>	13			
District	<u>Big Sandy County Kan</u>	10			Size of _____
Drilling commenced		8 1/4			
Drilling completed	Total depth _____	6 5/8			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	feet _____ feet				
Salt water	feet _____ feet				

Drillers' Names \_\_\_\_\_

Remarks: Reclaiming Location  
LOOK AT Reclamation

5/21/84  
DATE

Rod Dutton  
02/16/2024  
DISTRICT WELL INSPECTOR





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

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INSPECTOR'S PLUGGING REPORT

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 039-4002

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Quaker State</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>PARKERS BURY</u>	Size			
Farm <u>Quaker State Oil</u>	16			Kind of Packer _____
Well No. <u>#1</u>	13			
District <u>EIK</u> County <u>KAN</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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.	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: LOCATION Reclaimed  
Waiting ON SCD To Seed

8/2/84  
DATE

Rod Dulin  
02/16/2024  
DISTRICT WELL INSPECTOR



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OCT 29 1984

Date: October 26, 1984

Operator's QUAKER STATE OIL  
Well No. REFINING CORP. #1

API Well No. 47 - 039 - 4002  
State County Permi

OIL & GAS DIVISION  
**DEPT. OF MINES** STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT  
OF  
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR QUAKER STATE OIL REFINING CORP.  
Address P.O. Box 1327  
Parkersburg, WV 26101

DESIGNATED AGENT Carl J. Carlson  
Address P.O. Box 1327  
Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION: Big Injun Depth 1692 - 1740' feet  
Perforation Interval 1697 - 1737' feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE	TIME	END OF TEST-DATE	TIME	DURATION OF TEST
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
OIL PRODUCTION DURING TEST bbls.	GAS PRODUCTION DURING TEST Mcf	WATER PRODUCTION DURING TEST & SALINITY bbls. ppm.		
OIL GRAVITY °API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			

GAS PRODUCTION			
MEASUREMENT METHOD		POSITIVE CHOKE	
FLANGE TAP <input type="checkbox"/>	PIPE TAP <input type="checkbox"/>	L-10 <input type="checkbox"/>	CRITICAL FLOW PROVER <input type="checkbox"/>
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.	
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.	
DIFFERENTIAL	STATIC	GAS GRAVITY (Air-1.0) MEASURED _____ ESTIMATED _____	
GAS GRAVITY (Air-1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE _____ °F	
24 HOUR COEFFICIENT		24 HOUR COEFFICIENT	
		PRESSURE - _____ psia	

TEST RESULTS			
DAILY OIL 30 bbls.	DAILY WATER 45 bbls.	DAILY GAS 45 Mcf.	GAS-OIL RATIO 1500 SCF/STB

QUAKER STATE OIL REFINING CORPORATION  
Well Operator  
By: Carl J. Carlson Carl J. Carlson  
Its: District Production Manager

02/16/2024



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SEP 24 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY Quaker State  
PARKERSBURG 26101  
P. O. Box 1327

PERMIT NO 039-4002  
FARM & WELL NO Quaker State Oil / #1  
DIST. & COUNTY ELK / Kan.

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

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

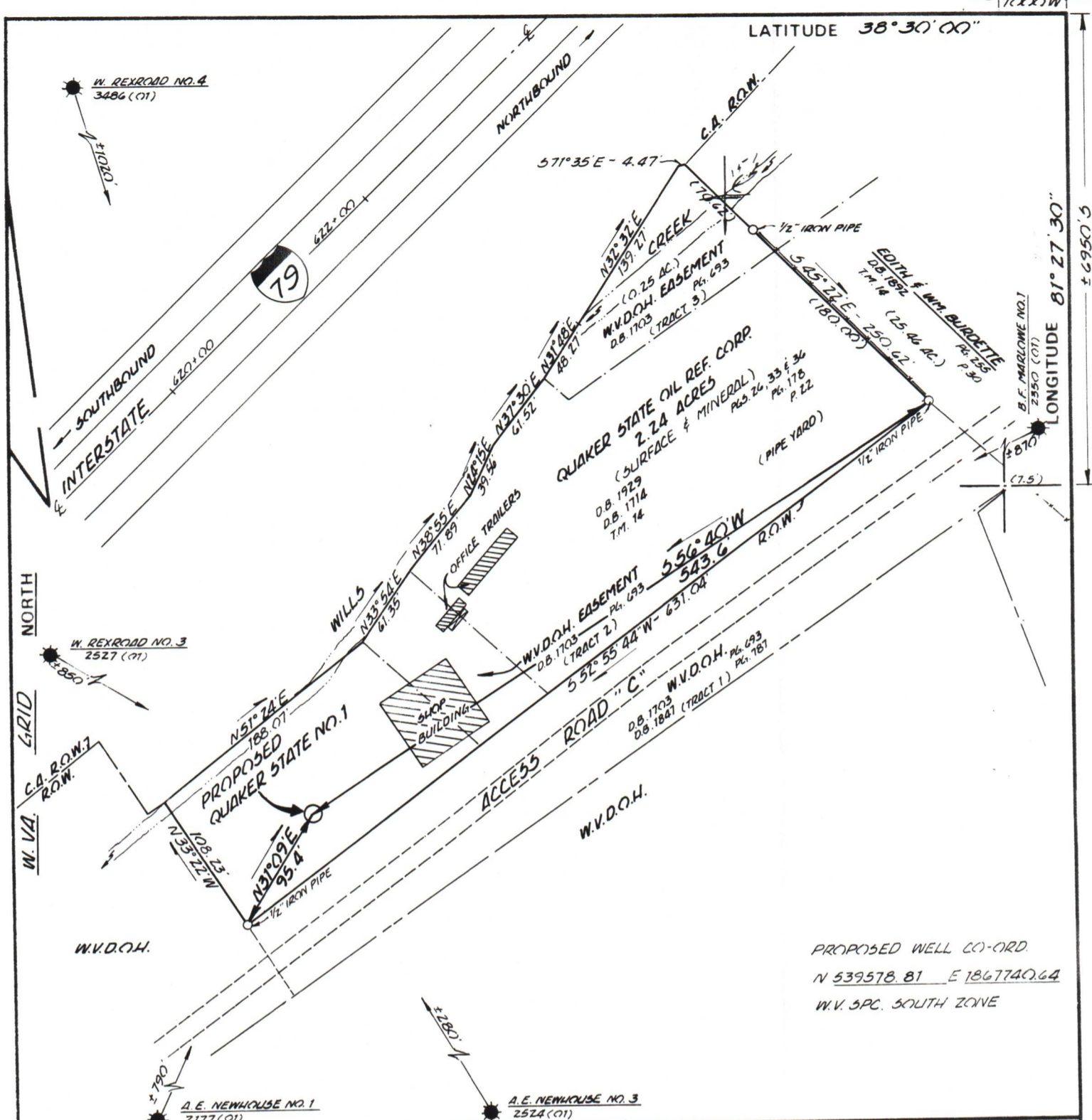
SIGNED Rod Dillon  
DATE 9-19-84

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

T. H. ...  
Administrator-Oil & Gas Division

January 7, 1985

DATE



PROPOSED WELL CO-ORD.  
 N 539578.81 E 1867740.64  
 W.V. SPC. SOUTH ZONE

FILE NO. 8400-06  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 100'  
 MINIMUM DEGREE OF ACCURACY 1' IN 5000'  
 PROVEN SOURCE OF ELEVATION W.V.D.O.H. METAL DISC @ T.S. 622+71.80, 1-79, EL. 720.52

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) J. Bruce Hager  
 R.P.E. \_\_\_\_\_ L.L.S. 577

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JAN. 13, 19 84  
 OPERATOR'S WELL NO. QUAKER STATE NO. 1  
 API WELL NO. \_\_\_\_\_  
47 - 039 - 4002  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 691.4 WATER SHED WILLS CREEK OF LITTLE SANDY CREEK OF ELK R.  
 DISTRICT ELK COUNTY KANAWHA  
 QUADRANGLE BLUE CREEK 7.5'

SURFACE OWNER QUAKER STATE OIL REFINING CORP. ACREAGE 2.24  
 OIL & GAS ROYALTY OWNER QUAKER STATE OIL REF. CORP. LEASE ACREAGE 2.24  
 LEASE NO. \_\_\_\_\_

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 BIG INJUN ESTIMATED DEPTH 1860  
 WELL OPERATOR QUAKER STATE OIL REF. CORP. DESIGNATED AGENT CARL J. CARLSON  
 ADDRESS P.O. BOX 1327 ADDRESS P.O. BOX 1327  
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101