



1) Date: May 15, 1984
 2) Operator's Well No. M.W. SPENCER #23
 3) API Well No. 47 - 095 - 1078
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow *OM:-*
- 5) LOCATION: Elevation: 780.8 Watershed: INDIAN CREEK OF MIDDLE ISLAND CREEK
 District: McELROY County: TYLER Quadrangle: SHIRLEY 7.5'
- 6) WELL OPERATOR QUAKER STATE OIL REF. 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 Name ROBERT LOWTHER
 Address GENERAL DELIVERY
MIDDLEBOURNE, WV 26149 (304) 758-4764
- 9) DRILLING CONTRACTOR: Name UNKNOWN
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, BIG INJUN
- 12) Estimated depth of completed well, 1959' feet
 13) Approximate trata depths: Fresh, 100' feet; salt, 988' feet.
 14) Approximate coal seam depths: 428' - 430' Is coal being mined in the area? Yes / No

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 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		460'	460'	c.t.s. NEAT	Sizes
Coal									Depths set
Intermediate									Perforations:
Production	5 1/2	J-55	14	X		1703'	1703'	765'	Top Bottom
Tubing	2	J	4.5	X			1809'		
Liners									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1078 Date June 4, 19 84

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 4, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>10814</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

OFFICE USE ONLY

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

1) Date: _____
 2) Operator's Well No: _____
 3) API Well No: _____
 State: _____ County: _____

4) LOCATION: B (L) Gas, Production _____
 Elevation: _____
 District: _____
 County: _____
 Waterbed: _____

5) WELL OPERATOR: _____
 Address: _____
 City: _____

6) DRILLING CONTRACTOR: _____
 Name: _____
 Address: _____
 City: _____

7) PROPOSED WELL WORK: _____
 Drill _____
 Plug off old formation _____
 Perform new formation _____
 Other physical change in well (specify): _____

8) GEOLOGICAL TARGET FORMATION: _____
 Estimated depth of completed well: _____ feet
 Approximate true depth: _____ feet
 Approximate coal seam depth: _____ feet

9) CASING AND TUBING PROGRAM: _____
 Is coal being mined in the area? Yes _____ No _____

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OIL & GAS DIVISION

TUBING OR Casing TYPE	Size	Grade	SPELICATIONS		FOOTAL INTERVALS	CEMENTED OR GRASSED (Cable test)	PACKERS
			Weight per ft.	New Used			
Conductor							
Fresh water							
Coal							
Intermediate							
Production							

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: _____

Reason: _____

Board	Aspnt.	Plat	Casing	Fee

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

1) Date: _____, 19____
2) Operator's
Well No. M. W. SPENCER #23
3) API Well No. 47 -095-1078
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 Alva D. Spencer Est., et al
Address c/o Dennis G. Spencer
Box 59, Alma, WV 26320
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR NONE
Address _____

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

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

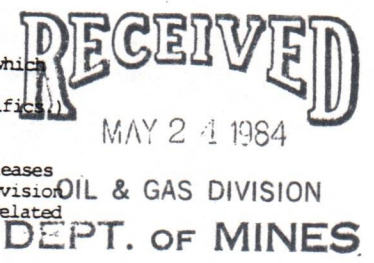
Check and provide one of the following:

- 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

Carl J. Carlson,
this 10 day of May, 1984.
My commission expires 11/15, 1985.

Patricia Moore
Notary Public, Washington County,
State of Ohio

WELL
OPERATOR QUAKER STATE OIL REFINING CORP.

By [Signature]
Its District Production Manager
Address P.O. Box 1327
Parkersburg, WV 26101
Telephone (614) 423-9543

PATRICIA MOORE
NOTARY PUBLIC - STATE OF OHIO
MY COMMISSION EXPIRES NOV. 14, 1985

12/22/2023

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)
I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (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"



#2266

Field Review



IV-9 (Rev 8-81)

DATE APRIL 23, 1984
WELL NO. M.W. SPENCER NO. 23
API NO. 47-095-1078

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME QUAKER STATE OIL REF. CORP. DESIGNATED AGENT CARL J. CARLSON
Address P.O. BOX 1327, PARKERSBURG, WV 26101 Address P.O. BOX 1327, PARKERSBURG, WV 26101
Telephone (614) 423-9543 Telephone (614) 423-9543
LANDOWNER ALVA D. SPENCER, EST. ET AL SOIL CONS. DISTRICT UPPER OHIO
Revegetation to be carried out by CARL J. CARLSON (Agent)

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

5/7/84 (Date)
Kenneth R. Mason
(SCD Agent)

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ACCESS ROAD	LOCATION
Structure <u>CROSS DRAIN</u> (A)	Structure <u>DRILL PIT</u>
Spacing <u>60' @ 15%</u>	Material <u>N/A</u>
Page Ref. Manual <u>2-1 - 2-4</u>	Page Ref. Manual _____
Structure _____ (B)	Structure <u>TOPSOIL STORAGE</u> (2)
Spacing _____	Material <u>EXIST. TOPSOIL</u>
Page Ref. Manual _____	Page Ref. Manual _____
Structure _____ (C)	Structure <u>DRAINAGE DITCH</u> (3)
Spacing _____	Material <u>N/A</u>
Page Ref. Manual _____	Page Ref. Manual _____

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

REVEGETATION

Treatment Area I	Treatment Area II
Line <u>3</u> Tons/acre	Line <u>3</u> Tons/acre
or correct to pH <u>6.5</u>	or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre	Fertilizer <u>500</u> lbs/acre
(10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch <u>PAPER @ 3/4 OR HAY OR STRAW @ 2</u> Tons/acre	Mulch <u>PAPER @ 3/4 OR HAY OR STRAW @ 2</u> Tons/acre
Seed* <u>KY. 31 FESCUE @ 50</u> lbs/acre	Seed* <u>KY. 31 FESCUE @ 50</u> lbs/acre
_____ lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ lbs/acre

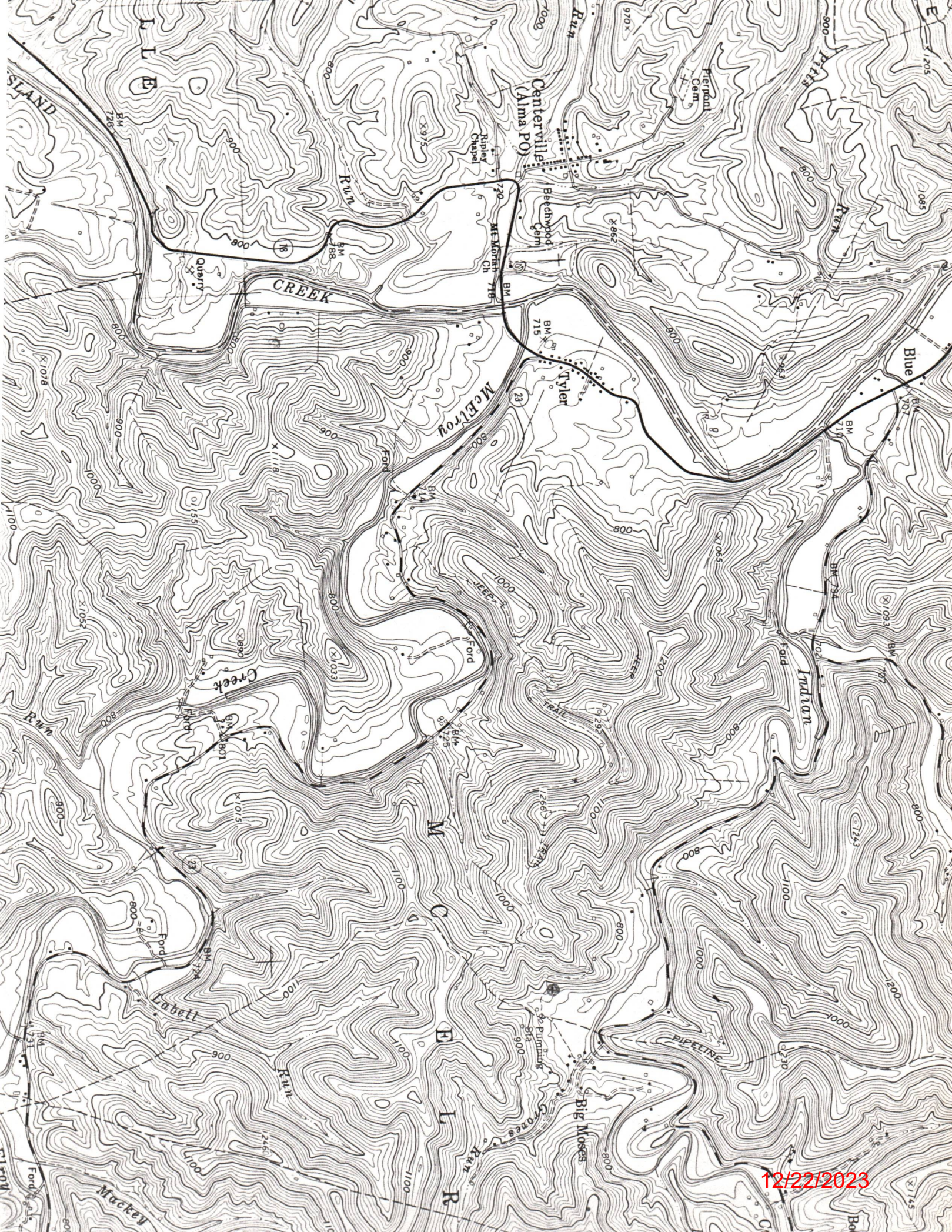
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY J. Bruce Hager 12/22/2023
J. BRUCE HAGER, L.L.S.

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

RECEIVED
MAY 10 1984

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



12/22/2023



1) Date: _____, 19____
 2) Operator's Well No. M.W. SPENCER #23
 3) API Well No. 47 State West Virginia County Tyler Permit -095-

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

- 4) WELL TYPE: A Oil / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 780.8 Watershed: INDIAN CREEK OF MIDDLE ISLAND CREEK
 District: McELROY County: TYLER Quadrangle: SHIRLEY 7.5'
- 6) WELL OPERATOR QUAKER STATE OIL REF. CORP. 7) DESIGNATED AGENT WARL 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 ROBERT LOWTHER Name UNKNOWN
 Address GENERAL DELIVERY Address _____
MILLSBORNE, WV 26149 (304) 758-4764
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, BIG INJUN
- 12) Estimated depth of completed well, 1959' feet
- 13) Approximate trata depths: Fresh, 100' feet; salt, 988' feet.
- 14) Approximate coal seam depths: 428' - 430' Is coal being mined in the area? Yes _____

RECEIVED
 MAY 24 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	<u>8 5/8</u>	<u>H-40</u>	<u>20</u>	<u>X</u>		<u>460'</u>	<u>460'</u>	<u>c.t.s. NEW</u>	
Coal									Sizes
Intermediate									
Production	<u>5 1/2</u>	<u>J-55</u>	<u>14</u>	<u>X</u>		<u>1703'</u>	<u>1703'</u>	<u>765'</u>	Depths set
Tubing	<u>2</u>	<u>J</u>	<u>4.5</u>	<u>X</u>			<u>1809'</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.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
Dennis H. Spencer Date: 5/15/84
 (Signature)
 _____ Date: _____
 (Signature)

**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 West Virginia,
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. Spencer # 23 located in McElroy District, Tyler County, West Virginia, upon the person or organization named--

Dennis G. Spencer

--by delivering the same in Tyler County, State of West Virginia on the 15th day of MAY, 1984 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 _____.

RECEIVED
MAY 24 1984

William C. Roland
(Signature of person executing service)

OIL & GAS DIVISION
DEPT. OF MINES

Taken, subscribed and sworn before me this 21st day of May, 1984.
My commission expires June 11, 1990.

David B. Perkins
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

Westsbury
Weston

BILLED ON
TICKET NO. 942561

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Tyler STATE W. VA

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
FORMATION THICKNESS _____	FROM _____ TO _____	CASING	<u>N</u>	<u>23</u>	<u>8 5/8</u>	<u>K.B.</u>	<u>466</u>
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____		LINER					
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____		TUBING					
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____		OPEN HOLE					SHOTS/FT.
PACKER TYPE _____ SET AT _____		PERFORATIONS					
BOTTOM HOLE TEMP. _____ PRESSURE _____		PERFORATIONS					
MISC. DATA _____ TOTAL DEPTH _____		PERFORATIONS					

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>8 5/8</u>	<u>19A</u>	<u>Hawco</u>
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>5W Rubber</u>	<u>19A</u>	<u>Hawco</u>
HEAD <u>4 main fold</u>	<u>19A</u>	<u>Hawco</u>
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFFAC BALLS TYPE _____ QTY. _____

OTHER 520 G41 N/B

OTHER _____

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-31-84</u>	DATE <u>7-31-84</u>	DATE <u>8-1-84</u>	DATE <u>8-1-84</u>
TIME <u>2030</u>	TIME <u>2330</u>	TIME _____	TIME <u>0330</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>L. W. Reed</u>	<u>Center 27643</u>	<u>Weston</u>
<u>W. Murphy</u>	<u>9508</u>	<u>"</u>
<u>J. Helmick</u>	<u>61-C</u>	<u>"</u>
	<u>3606</u>	<u>"</u>
	<u>B-10K</u>	<u>"</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 8 5/8 SURF. Cg.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>130</u>	<u>Std</u>	<u>A</u>	<u>Hawco</u>	<u>B</u>	<u>3% Colch 5# Floccate</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 25 TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 30.59

CEMENT SLURRY: BBL.-GAL. 27.3

TOTAL VOLUME: BBL.-GAL. 82.89

REMARKS

See Job log

12/22/2023

CUSTOMER

CUSTOMER: Quaker State
LEASE: M. W. Spawker
WELL NO.: 23
JOB TYPE: Coat 8 5/8 Surf.
DATE: 8-1-84

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

Shot with 120 qts. nitroglycerine from 1800-1845'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sandstone			0	542	
Shale and siltstoe			542	968	
Sandstone and shale			968	1422	
Sandstone			1422	1465	
Shale			1465	1633	
Little Lime			1633	1646	
Pencil Cave			1646	1664	
Big Lime			1664	1756	
Big Injun			1756	1893	
Shale			1893	1906	T.D.

(Attach separate sheets as necessary)

QUAKER STATE OIL REFINING CORPORATION

Well Operator

By: Michael C. Brock Michael C. Brock
Date: October 31, 1984 Senior Geologist

12/22/2023

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."

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Operator's
Well No. M.W. SPENCER #23
API Well No. 47 - 095 - 1078
State County Permit

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

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

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

GEOLOGICAL TARGET FORMATION: Big Injun Depth 1756-1893 feet
Perforation Interval _____ 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	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) °API			

MEASUREMENT METHOD			GAS PRODUCTION	
FLANGE TAP <input type="checkbox"/>	PIPE TAP <input type="checkbox"/>	L-10 <input type="checkbox"/>	POSITIVE CHOKE <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 2 bbls.	DAILY WATER 3 bbls.	DAILY GAS ---- Mcf.	GAS-OIL RATIO N/A SCF/STE

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

12/22/2023

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 095-1078

Oil or Gas Well _____
(KIND)

Company <u>Quaker State oil</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Parkersburg W. Va</u>	Size			
Farm <u>Spencer</u>	16			Kind of Packer _____
Well No. <u>23</u>	13			
District <u>Mc Elroy</u> County <u>Tyler</u>	10			Size of _____
Drilling commenced <u>July 30 84</u>	8 1/4	<u>453</u>	<u>453</u>	
Drilling completed _____ Total depth <u>475</u>	6%			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 <u>8 5/8</u> SIZE <u>453</u> No. FT. <u>8-1-84</u> Date			
Fresh water <u>66</u> feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Salt water _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____
Contractor Smith Drilling Co 12
Remarks:

Aug 1 1984
DATE

R.A. Lowther
DISTRICT WELLS INSPECTOR
12/22/2023



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

RECEIVED
APR 9 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 19, 1984

COMPANY Quaker State Oil Refg. Co.
P. O. Box 1327
Parkersburg, West Virginia 26101

PERMIT NO 095-1078
FARM & WELL NO Alva D. Spencer #23
DIST. & COUNTY McElroy/Tyler

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

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

SIGNED R. A. Lowther

DATE Apr 5, 1985

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. B. B.
Administrator-Oil & Gas Division

TMS/nw

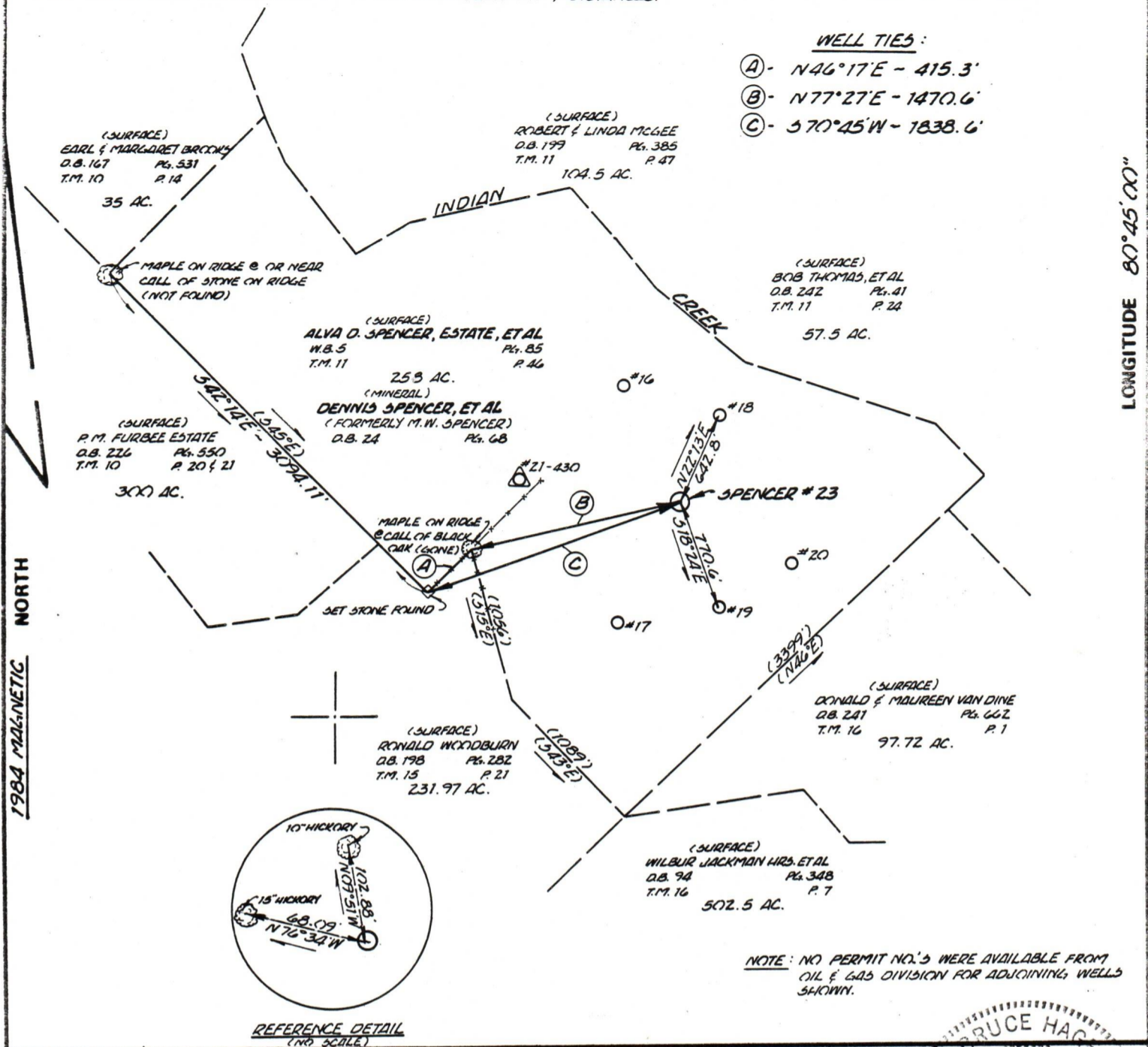
April 10, 1985
DATE

NOTE: BEARINGS & DISTANCES IN () ARE DEED BEARINGS & DISTANCES.

LATITUDE 39°27'30"

WELL TIES:

- (A) - N46°17'E - 415.3'
- (B) - N77°27'E - 1470.6'
- (C) - S70°45'W - 1838.6'



LONGITUDE 80°45'00"

1984 MAGNETIC NORTH

NOTE: NO PERMIT NO.'S WERE AVAILABLE FROM OIL & GAS DIVISION FOR ADJOINING WELLS SHOWN.



FILE NO. 8400-22
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1" IN 2000'
 PROVEN SOURCE OF ELEVATION EXISTING WELL - ALVA D. SPENCER, ET AL NO. 21 EL. 1084'

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) Bruce Hager
 R.P.E. _____ L.E.S. 577

BRUCE HAGER
 LICENSED
 No. 577
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

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



DATE APRIL 23, 19 84
 OPERATOR'S WELL NO. M.W. SPENCER NO. 23
 API WELL NO. _____
47 095 - 1078
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 780.8' WATER SHED INDIAN CREEK OF MIDDLE ISLAND CREEK
 DISTRICT MC ELROY COUNTY TYLER
 QUADRANGLE SHIRLEY
 SURFACE OWNER ALVA D. SPENCER ESTATE, ET AL ACREAGE 258
 OIL & GAS ROYALTY OWNER M.W. SPENCER HEIRS LEASE ACREAGE 258
 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 1959'
 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

12/22/2023