



1) Date: April 14, 19 83
 2) Operator's Well No. L.C. WILSON #16
 3) API Well No. 47 -039 - 3951
 State _____ County _____ Permit _____

DRILLING CONTRACTOR:

Clint Hurt & Assoc.

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

P.O. Box 388
Elkview, WV 25071

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil XX / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 913 Watershed: Wills Creek of Little Sandy Creek
 District: Elk County: Kanawha Quadrangle: Blue Creek
- 6) WELL OPERATOR QUAKER STATE OIL REFG. CORP. 11) DESIGNATED AGENT Carl J. Carlson
 Address P.O. Box 1327 Address Same
Parkersburg, WV 26102-1327
- 7) OIL & GAS ROYALTY OWNER L.C. Wilson etal 12) COAL OPERATOR na
 Address 1613 Kanawha Boulevard Address _____
Charleston, WV
- 8) SURFACE OWNER W.P. Jennings, etal 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Box 142 Name na
Sissonville, WV 25185 Address _____
 Acreage 139.91 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO: 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address COLUMBIA GAS TRANSMISSION CORP. Name na
P.O. Box 1273, Charleston, WV Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Homer Dougherty
 Address Linden Rt., Box 3-A
Looneyville, WV 25259
- 15) PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate APR 29 1983
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____

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- 16) GEOLOGICAL TARGET FORMATION, Big Injun OIL & GAS DIVISION
 17) Estimated depth of completed well, 2088 feet DEPT. OF MINES
 18) Approximate water strata depths: Fresh, 313 feet; salt, 1252 feet.
 19) Approximate coal seam depths: na Is coal being mined in the area? Yes _____ / No XX

20) 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>XX</u>		<u>313 350</u>	<u>350 313</u>	<u>cts</u>	<u>NEAT</u>
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>	<u>J-55</u>	<u>9.5</u>	<u>XX</u>		<u>2088</u>	<u>2088</u>	<u>209 sx</u>	Depths set
Tubing	<u>2</u>	<u>J</u>	<u>4.5</u>	<u>XX</u>		<u>1938</u>	<u>1938</u>		Perforations:
Liners									Top Bottom

- 21) 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.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.
- 23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Ina S. Brookover Signed: Carl J. Carlson
 My Commission Expires 9-27-83 Its: District Production Manager

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-3951 Date May 4 02/16/2024 83

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. 10) 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.)

Permit expires January 4, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>8422</u>
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Administrator, Office of Oil and Gas

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

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

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

WAIVER

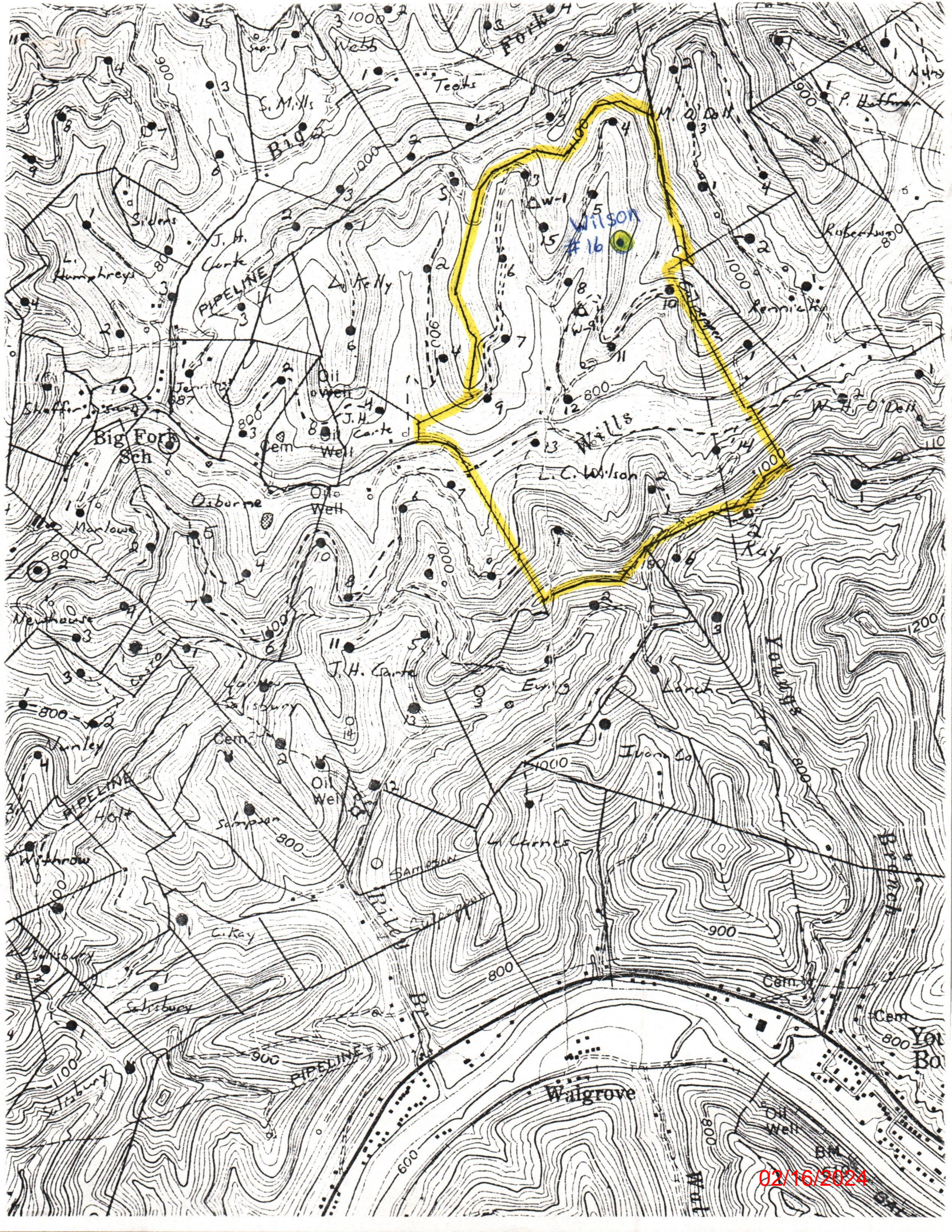
The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

02/16/2024

Date: _____, 19 _____

By _____

Its _____



02/16/2024

APR 11 1983



IV-9
Revised 11-81

DATE 4-6-83
WELL NO. Wilson #16
API NO. 47 - 039 - 3951

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Quaker State Oil Refining Corporation DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327-Pksbg., WV 26101 Address P.O. Box 1327-Pksbg., Wv 26101
Telephone (614) 423-9543 Telephone (614) 423-9543
LANDOWNER W.P. Jennings SOIL CONS. DISTRICT Capitol
Revegetation to be carried out by Petro-Services and/or Quaker State (Agent)

This plan has been reviewed by Capitol SCD. All corrections and additions become a part of this plan: APR 18 1983 (Date)

R. C. Wood
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing Per Sketch
Page Ref. Manual 2-10 & 2-12
Structure Cross Drains (B)
Spacing Per Sketch
Page Ref. Manual 2-1 & 2-4
Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Structure Diversion Ditch (1)
Material Soil
Page Ref. Manual 2-10 & 2-12
Structure Drilling Pit (2)
Material Soil
Page Ref. Manual _____
Structure Topsoil to be stored (3)
Material for later use
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.

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REVEGETATION

OIL & GAS DIVISION
DEPT. OF MINES

Treatment Area I
Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 1/4 Ton lbs/acre
(10-20-20 or equivalent)
Mulch Paper 3/4 Tons/acre
Seed* KY Blue 25 lbs/acre
Crownvetch 25 lbs/acre
Penny Rye 25 lbs/acre

Treatment Area II
Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 1/4 Ton lbs/acre
(10-20-20 or equivalent)
Mulch Paper 3/4 Tons/acre
Seed* KY Blue 25 lbs/acre
Crownvetch 25 lbs/acre
Penny Rye 25 lbs/acre

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

PLAN PREPARED BY James Scott Taylor

ADDRESS P.O. Box 1327

Pksbg., WV 26101

PHONE NO. (614) 423-9543

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

02/16/2024

IV-9 REVERSE
 Revised 11-81

ATTACH OR PHOTOCOPIY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 QUADRANGLE Blue Creek 7.5'

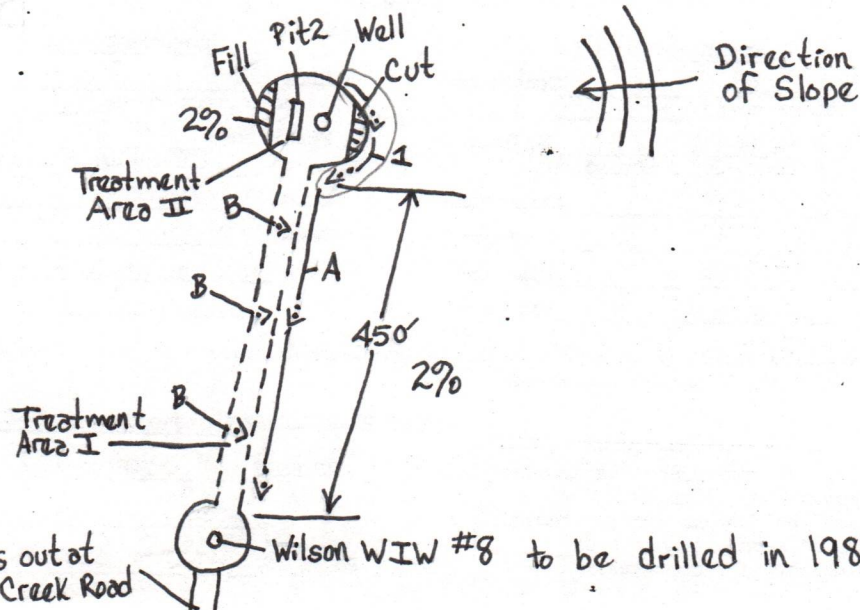
LEGEND	
Well Site	⊕
Access Road	—

WELL SITE PLAN

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

Land Use: Pasture ___ Hayland ___ Cropland ___ Woodland X.

LEGEND			
Property boundary	—▲—▲—▲—▲—	North Arrow	↗
Road	===	Diversion	////
Existing fence	—X—X—	Spring	⊙→
Planned fence	—/—/—	Wet Spot	⊙
Stream	~ ~ ~	Building	■
Open Ditch	→→→→→	Drain pipe	—○→○→
Waterway	⌈→→→→→⌋		



Comes out at
 Willis Creek Road

Wilson WIW #8 to be drilled in 1983

02/16/2024

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DEC 30 1983



IV-35
(Rev 8-81)

OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
Oil and Gas Division

Date December 27, 1983
Operator's Well No. 16
Farm L.C. WILSON
API No. 47 - 039 - 3951

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FEB 2 - 1984

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)
OIL & GAS DIVISION
DEPT. OF MINES

LOCATION: Elevation: 913 Watershed Wills Creek of Little Sandy Creek
District: Elk County Kanawha Quadrangle Blue Creek

COMPANY QUAKER STATE OIL REFG. CORP.
ADDRESS P.O.Box 1327, Parkersburg, WV 26102-1327
DESIGNATED AGENT Carl J. Carlson
ADDRESS same as above
SURFACE OWNER W.P. Jennings
ADDRESS Box 142, Sissonville, WV
MINERAL RIGHTS OWNER L.C. Wilson
ADDRESS 1618 Kanawha Blve., Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK
C. Duckworth ADDRESS Davison Rt., Box 107
Gassaway, WV 2624
PERMIT ISSUED 4/14/83
DRILLING COMMENCED 6/6/83
DRILLING COMPLETED 6/9/83

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	344	344	cts
7			
5 1/2			
4 1/2	2036	2036	150 sx
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Big Injun Depth 1907 - 61 feet
Depth of completed well 2060 feet Rotary XX / Cable Tools
Water strata depth: Fresh 294 feet; Salt 1238 feet
Coal seam depths: na Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 1907 - 61 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow show Bbl/d
Final open flow 20 Mcf/d Final open flow 12 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 1400 psig (surface measurement) after 1/2 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d 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 3951

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

Perforated from 1912 - 1956 with 51 shots.
 Frac'd with 215 bbl. water and 90 sx 20/40 sand.
 Breakdown - 3500 psi
 ISIP - 1400 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	181	
Sandstone			181	228	
Shale			228	294	
Sandstone			294	301	
Shale & Siltstone			301	379	
Sandstone			379	388	
Shale & Sandstone			388	1238	
Salt Sand			1238	1594	
Shale			1594	1722	
Little Lime			1722	1764	
Pencil Vace			1764	1775	
Big Lime			1775	1907	
Big Injun			1907	1961	
Shale & Siltstone			1961	2060 TD.	

(Attach separate sheets as necessary)

QUAKER STATE OIL REFINING CORPORATION
 Well Operator
 Steve Opritza - Geologist 02/16/2024
 By: Steve Opritza
 Date: December 27, 1983

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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JUN 14 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-3951

Oil or Gas Well _____
(KIND)

Company <u>QUAKER STATE OIL REFG.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>PARKERSBURG, W.VA.</u>	Size			Kind of Packer _____
Farm <u>L. C. WILSON</u>	16			Size of _____
Well No. <u>116</u>	13			Depth set _____
District <u>ELK</u> County <u>KANAWHA</u>	10			Perf. top _____
Drilling commenced <u>6/8/83</u>	8 1/4			Perf. bottom _____
Drilling completed _____ Total depth _____	6 5/8			Perf. top _____
Date shot _____ Depth of shot _____	5 3/16			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	3			Liners Used _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 8 5/8 SIZE 353 No. FT. 6/9 Date

NAME OF SERVICE COMPANY HALLIBURTON

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names CLINT HURT RIG 2 LARRY MOORE (T.P.I.)

Remarks: RAN 353' OF 8 5/8 CEMENTED WITH 120 SKS

6/9/83
DATE

Craig Duckworth 02/16/2024
DISTRICT WELL INSPECTOR 505

Operator's Well No. L.C. Wilson #16

API Well No. 47 - 039 - 3951
State County Permit

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, West Virginia 26101

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

GEOLOGICAL TARGET FORMATION: Big Injun Depth 1907-61 feet
Perforation Interval 1907-61 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 FLANGE TAP <input type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>			POSITIVE CHOKE 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 12 bbls.	DAILY WATER 9.6 bbls.	DAILY GAS 20 Mcf.	GAS-OIL RATIO 1666 SCF/STB	

Quaker State Oil Refining Corporation
Well Operator

By: [Signature]
Its: District Production Manager

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FEB 2 1984
02/16/2024

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
February 15, 1984

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APR 23 1984
OIL & GAS DIVISION
DEPT. OF MINES

COMPANY Quaker State Oil Refg. Corp. PERMIT NO 039-3951
P. O. Box 1327 FARM & WELL NO L. C. Wilson #16
Parkersburg, West Virginia 26102-1327 DIST. & COUNTY Elk/Kanawha

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 *Robert J. Nelson*
DATE 4/19/84

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.

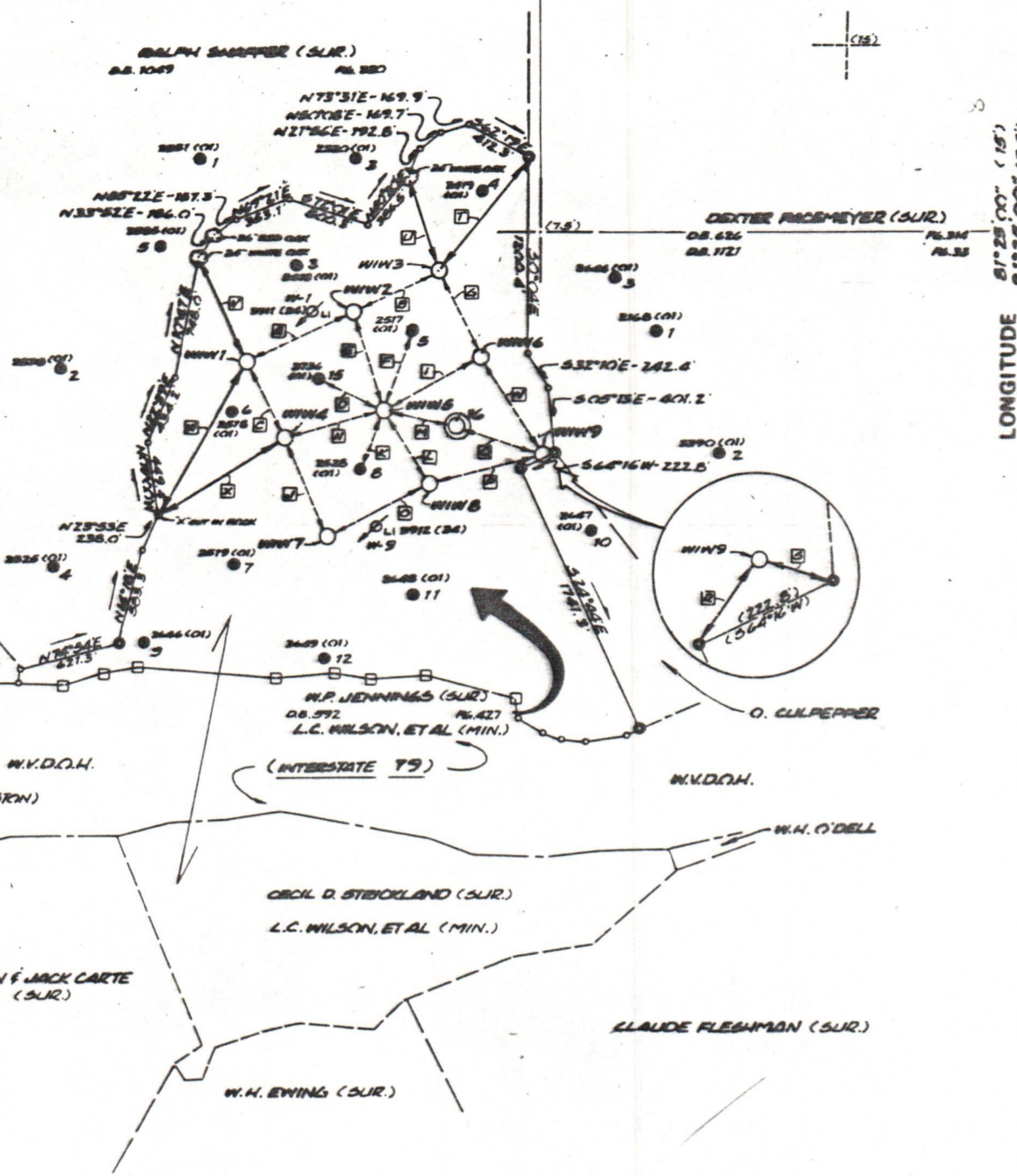
T. H. ...
Administrator-Oil & Gas Division

April 27, 1984
DATE

LATITUDE 36° 30' 00" (7.5)
36° 30' 00" (15)

LONGITUDE 81° 25' 00" (15)
81° 25' 00" (7.5)

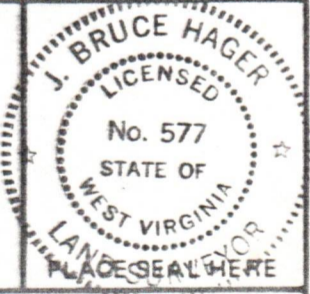
- ☐ N65°56'E-724'
- ☐ N60°30'E-586'
- ☐ N30°01'W-514'
- ☐ S65°57'E-433'
- ☐ S18°22'E-607'
- ☐ S19°10'W-691'
- ☐ S24°50'E-588'
- ☐ N74°35'E-617'
- ☐ S59°34'W-656'
- ☐ N22°27'W-651'
- ☐ N21°43'E-384'
- ☐ N31°35'W-528'
- ☐ N78°44'W-431'
- ☐ S31°56'E-694'
- ☐ S63°07'W-698'
- ☐ S73°33'W-683'
- ☐ N71°18'30'W-538'
- ☐ N45°59'E-125'
- ☐ S84°56'W-111'
- ☐ S38°47'W-889'
- ☐ N17°30'W-578'
- ☐ N25°03'W-689'
- ☐ N28°58'E-1091'
- ☐ N87°02'E-937'



☉ — DENOTES 1/2" DIA. SOLID IRON BAR
☐ — DENOTES W.V.D.O.H. CONC. BENCH MARK/PIVOT POINT

FILE NO. 8331-10
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1" IN 1500'
PROVEN SOURCE OF ELEVATION EXIST. WELL - L.C. WILSON '15
ELEV: 977'

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE APRIL 11, 19 83
OPERATOR'S WELL NO. 16
API WELL NO. 47-039-3951
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 913' WATER SHED WILLS CREEK OF LITTLE SANDY CREEK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK 7.5'; CLENDENIN 15'

SURFACE OWNER W.P. JENNINGS ACREAGE 139.91
OIL & GAS ROYALTY OWNER L.C. WILSON, ET AL LEASE ACREAGE 279
LEASE NO. W-1099

02/16/2024

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 2088'
WELL OPERATOR QUAKER STATE OIL REE CORP. DESIGNATED AGENT CARL J. CARLSON
ADDRESS P.O. BOX 1327 ADDRESS P.O. BOX 1327
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

FORM IV-6 (8-78)