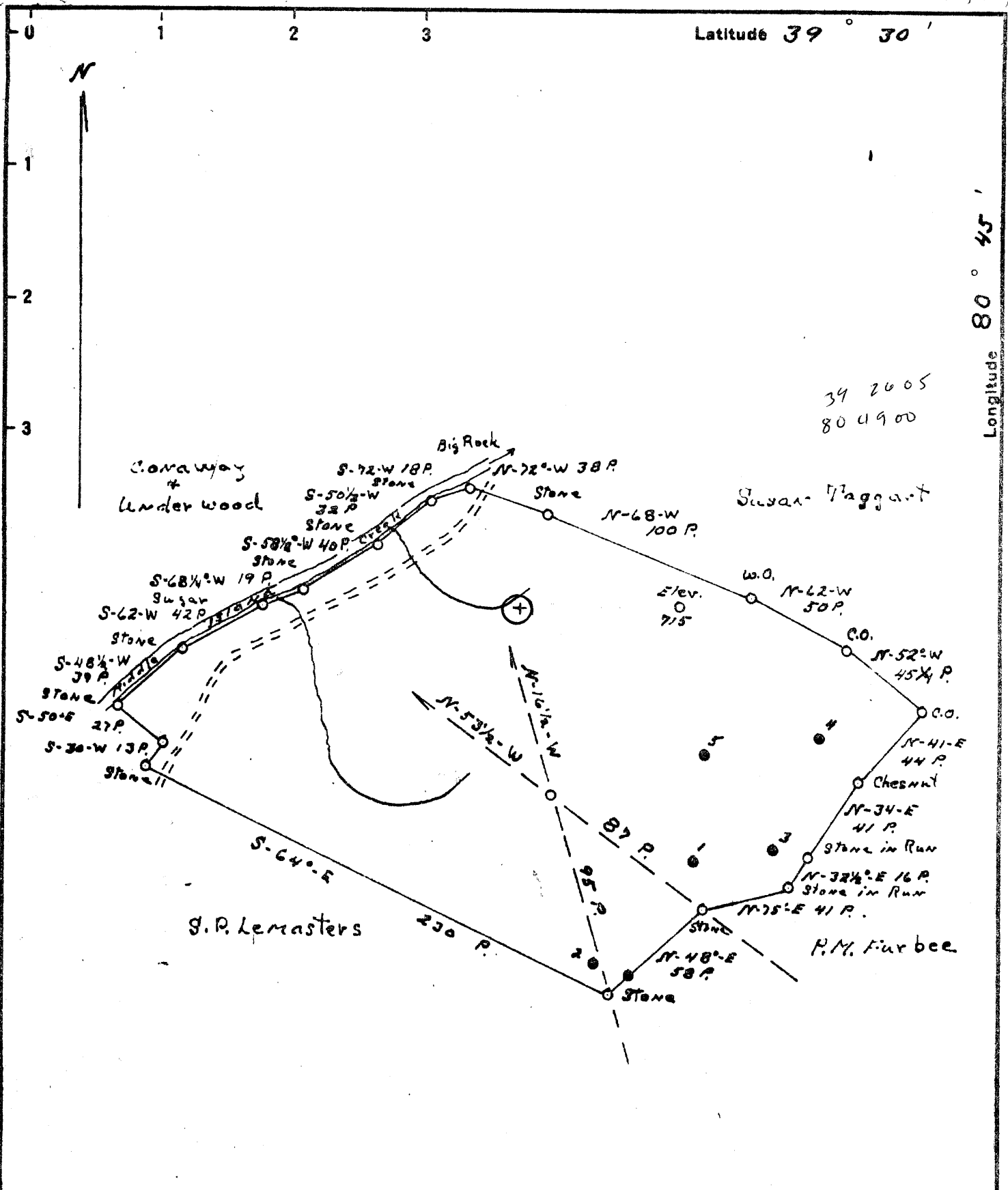


10/26/77



39 26 05
80 49 00

WATER INJECTION 10/28/77

- New Location
- Drill Deeper
- Abandonment

Company <u>QUAKER STATE OIL REFINING CORP</u>	
Address <u>PO BOX 1327, PARKERSBURG, WV 26101</u>	
Farm <u>Thomas Smith</u>	
Tract _____	Acres <u>280</u> Lease No. _____
Well (Farm) No. <u>6</u>	Serial No. _____
Elevation (Spirit Level) <u>796.78</u>	
Quadrangle <u>West Union NE</u>	
County <u>Tyler</u>	District <u>N.E. Troy</u>
Engineer <u>J. S. Naught</u>	
Engineer's Registration No. <u>Tyler County</u>	
File No. _____	Drawing No. _____
Date <u>9-28-44</u> Scale <u>60 ftds = 1 inch</u>	

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

WELL LOCATION MAP

FILE NO. Ty1-146-W1

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

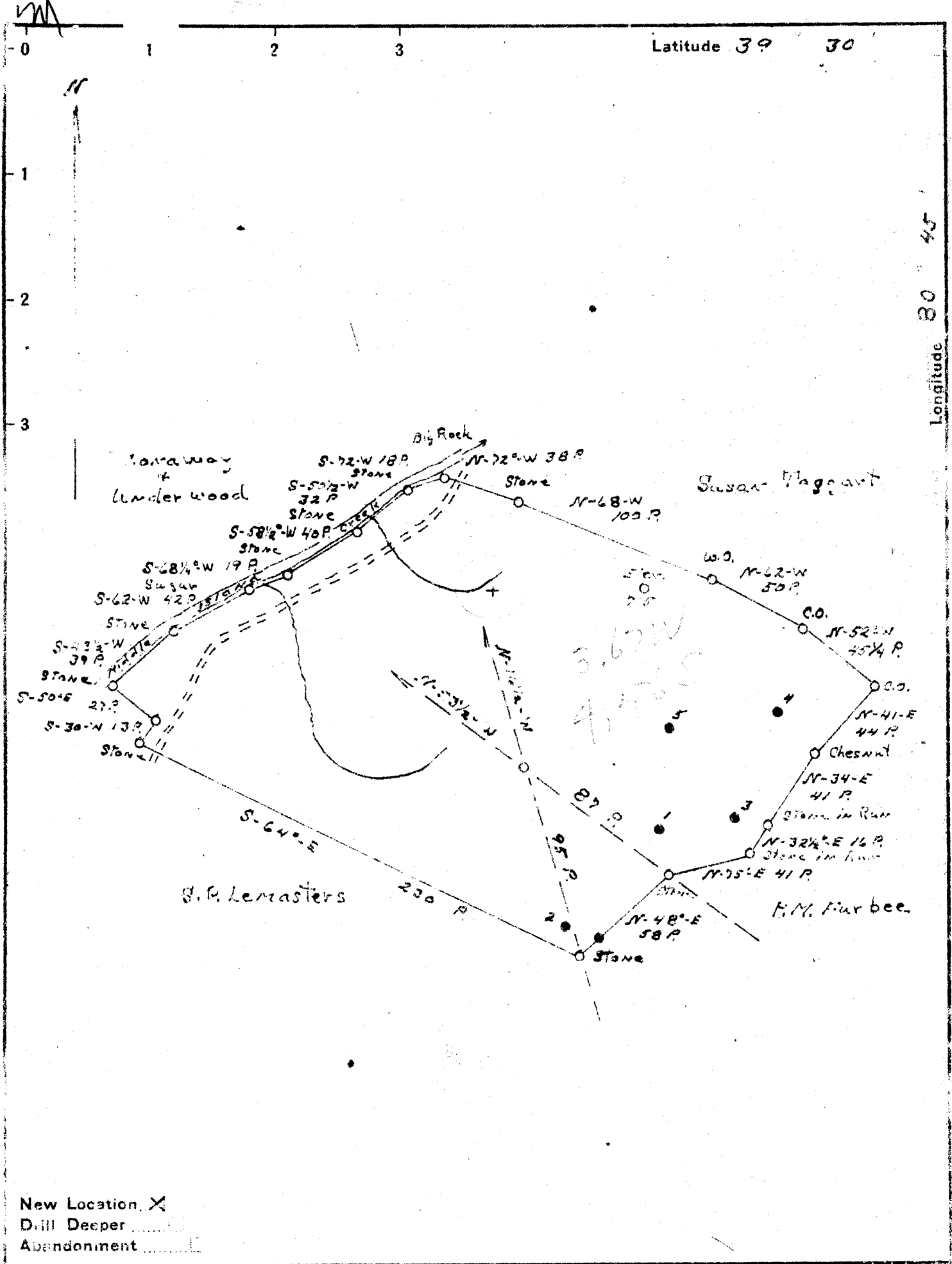
- Denotes one inch spaces on border line of original tracing.

47-095 NOV 7 1977

"IMPERIAL" TRACING CLOTH
K & E CO., N.Y.

1895' Big Injun 8-0

KYLE 93



New Location X
 Drill Deeper
 Abandonment

Company American Oil Development Co.
 Address Sistersville West Virginia
 Farm Thomas Smith
 Tract _____ Acres 280 Lease No. _____
 Well (Farm) No. 6 - Serial No. _____
 Elevation (Spirit Level) 796.78
 Quadrangle West Union
 County Tyler District NSE/roy
 Engineer J. S. Haught
 Engineer's Registration No. County Surveyor Tyler County
 File No. _____ Drawing No. _____
 Date 9-28-44 Scale 60 fms = 1 inch

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

WELL LOCATION MAP
 FILE NO. 791-146

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

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

Date: March 16, 1979

FORM IV-35
(Obverse)

Operator's
Well No. 6 W.I.
API Well No. 47-095-0146

108-78,

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATION, REFRAC AND CHANGE

WELL TYPE: Oil ___ / Gas ___ / Liquid Injection XX / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)
LOCATION: Elevation: 796.78 Watershed: Middle Island Creek
District: McElroy County: Tyler Quadrangle: West Union

WELL OPERATOR QUAKER STATE OIL REFG. CORP. DESIGNATED AGENT Robert C. Pingrey
Address P.O. Box 1327 Address P.O. Box 1327
Parkersburg, WV 26101 Parkersburg, WV 26101

PERMITTED WORK: Drill ___ / Convert XX / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON October 28, 1977 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Phillip Tracy
Address Middlebourn, WV

GEOLOGICAL TARGET FORMATION: Big Injun Depth 1790 - 1873 feet
Depth of completed well, 1895 feet Rotary ___ / Cable Tools XX
Water strata depth: Fresh, 100 feet; salt, 1085 feet.
Coal seam depths: 488 - 490 Is coal being mined in the area? No
Work was commenced February 15, 1978, and completed June 4, 1978

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	TAPERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	16	NA	NA			20	20	Rinds Tensions 6 1/2 x 1 1/2
Fresh water	10	NA	NA			340	---	HW - 4 1/2 x 2
Coal	8 1/2	NA	NA			1013	---	Sizes
Intermediate	6-5/8	NA	NA			1720	1720	
Production	4 1/2	J	9.5	X			1735	Depth 1085
Tubing	2	J	4.6	X			1720	
Liners								Perforations:

NA - Not Available

OPEN FLOW DATA

Producing formation Big Injun (injection) ^{water} zone depth ___
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, ___ Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, ___ psig (surface measurement) after ___ hours shut in
[If applicable due to multiple completion--]
Second producing formation ___ Pay zone depth ___
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
Final open flow, ___ Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours

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

Ran 4 1/2 casing on tension packer and set in open hole in the Big Lime at 1735'. Ran 2" tubing on hookwall packer and set inside 4 1/2" at 1720'.

WELL LOG

FORMATION	Color	Hard or Soft	Feet		Remarks Including indication of all fresh and salt water, coal, oil and gas
			Top	Bottom	
Blue Sand			210	225	
Sand			365	400	
Pitts. Coal			488	490	
Sand			490	508	
Slate & Shells			508	560	
Sand			560	580	
Slate & Shell			580	678	
Sand			678	695	
Slate			695	710	
Red Rock			710	730	
Slate & Shells			730	780	
Red Rock			780	790	
Sand			790	805	
Slate & Shells			805	830	
Red Rock			830	870	
Slate & Shells			870	900	
Sand			900	915	
Slate & Shells			915	1085	
Salt Sand			1085	1145	
Slate & Shells			1145	1470	
Sand			1470	1535	
Slate & Shells			1535	1625	
Red Rock			1625	1660	
Lime			1690		
Big Lime			1711	1790	
Big Injun Sand			1790		
Oil			1838	1873	
Total Depth				1895	

(Attach separate sheets to complete as necessary)

QUAKER STATE OIL REFINING CORPORATION
Well Operator

By Michael C. Brannock
Its Senior Geologist - Michael C. Brannock

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."

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Tyl 146		Oil Well
West Union Quad.		CASING & TUBING
Company	American Oil Development Co.	
Address	Sistersville, W.Va.	Cond. 20 20
Farm	Thomas Smith Acres 250	10 340
Location	Middle Island Creek	8 1/2 1013
Well No.	Six (6) Elev. 796.78	6 5/8 1720 1720
District	McElroy Tyler County	
Surface	Thomas Smith Hrs., Charles E. Tuttle, Atty. Parkersburg, W.Va.	
Mineral	Same	
Commenced	Oct. 30, 1944	Coal at 488.' 24"
Completed	Nov. 25, 1944	
Date shot	11-27-44 Depth 1851 to 1881 with 30 qts. Nitroglycerine	
Fresh Water	100'	

Blue Sand	210	225	
Sand	365	400	
Pitts. Coal	488	490	
Sand	490	508	
Slate & Shells	508	560	
Sand	560	580	
Slate & Shells	580	678	
Sand	678	695	
Slate	695	710	
Red Rock	710	730	
Slate & Shells	730	780	
Red Rock	780	790	
Sand	790	805	
Slate & Shells	805	830	
Red Rock	830	870	
Slate & Shells	870	900	
Sand	900	915	
Slate & Shells	915	1085	
Salt Sand	1085	1145	
Slate & Shells	1145	1470	
Sand	1470	1535	
Slate & Shells	1535	1625	
Red Rock	1625	1660	
Lime	1690		
Big Lime	1711	1790	
Big Injun Sand	1790		
Oil	1838	1873	
TOTAL DEPTH		1895	SLM

1711
797

914

1711
1790
1838
1873
1895

EXHIBIT A

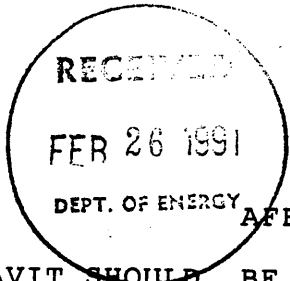
Thomas Smith Lease

Daisy Wells	127 Locust Street Huntington, West Virginia 25700
Hazel Tuttle Heirs	c/o Jeanne T. Garman, Atty. 1031 Country Club Court Washington Courthouse, Ohio 43160
Ralph B. Richardson	2303 West 11th Street Wilmington, Delaware 19800
Marilyn H. Self	6349 Palm Drive Carmichael, California 95608
Ann T. Evans, et al	(Ann T. Evans, Sue E. Hardman, and Sara H. Weekley) c/o W. H. Theis, Atty. P.O. Box 134 Middlebourne, West Virginia 26149

RECEIVED

OCT - 6 1977

OIL & GAS DIVISION
DEPT. OF MINES



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: UNDERWOOD, WILFORD MRS. Operator Well No.: T. SMITH 6

LOCATION: Elevation: 796.80 Quadrangle: SHIRLEY
District: MCELROY County: TYLER
Latitude: 8800 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 7020 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL X GAS _____

Company: Quaker State Corporation
P. O. Box 189
Belpre, OH 45714

Coal Operator N/A
or Owner _____

Agent: Frank Rotunda
Inspector: Mike Underwood
Permit Issued: 09/14/90

Coal Operator _____
or Owner _____

OHIO AFFIDAVIT
STATE OF ~~WEST VIRGINIA~~
County of Washington ss:

Timothy S. Knobloch and Tim Clever being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Quaker State Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8th day of November, 1990, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A Cement	1767	1727		
Gel 6%	1727	1450	1446 (4 1/2")	321
Class A Cement	1450	1350		
Gel 6%	1350	530	610 (6 5/8")	1110
Class A Cement	530	460		
Gel 6%	460	350		
Class A Cement	350	0		

Description of monument: _____

3/1/91

and that the work of plugging and filling said well was completed on the 5th day of February, 1991.

And further deponents saith not.

Timothy S. Knobloch

Sworn and subscribe before me this 20th day of February, 1991

My commission expires: Tina J. Russell

Notary Public, State of Ohio

My Commission Expires June 23, 1995

Tina J. Russell
Notary Public



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT - 6 1977

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 19, 1977

Surface Owner <u>See Exhibit A</u>	Company <u>QUAKER STATE OIL REFINING CORPORATION</u>
Address <u>See Exhibit A</u>	Address <u>P.O. Box 1327, Parkersburg, WV 26101</u>
Mineral Owner <u>Same as above</u>	Farm <u>Thomas Smith</u> Acres <u>250</u>
Address <u>Same as above</u>	Location (waters) <u>Middle Island Creek</u>
Coal Owner <u>None</u>	Well No. <u>6 (TY1-146)</u> Elevation <u>796.78</u>
Address _____	District <u>McElroy</u> County <u>Tyler</u>
Coal Operator <u>None</u>	Quadrangle <u>West Union</u>
Address _____	

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for water injection. This permit shall expire if operations have not commenced by 2-28-78.

Robert T. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phillip Tracy
PH: 758-4573 ADDRESS Middlebourn, W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 19, 1894 XX by Thomas Smith & Florence M. Smith, his wife made to Victor Oil & Gas Co. and recorded on the 30th day of January XX1895 in Tyler County, Book 24 Page 377, 378, & 379

XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.
Conversion to injection for waterflooding.

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

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

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

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Very truly yours, QUAKER STATE OIL REFINING CORP.

(Sign Name) [Signature]
Well Operator

Address
of
Well Operator

P.O. Box 1327
Street
Parkersburg,
City or Town
West Virginia 26101
State

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

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

Conversion as stated.

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN XX ~~FRACURE STIMULATE~~

DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME QUAKER STATE OIL REFINING CORPORATION NAME Robert C. Pingrey
 ADDRESS P.O. Box 1327, Parkersburg, WV 26101 ADDRESS P.O. Box 1327, Parkersburg, WV 26101
 TELEPHONE 614-423-9543 TELEPHONE 614-423-9543
 ESTIMATED DEPTH OF COMPLETED WELL: 1895 ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD XX OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16 Conductor	20'	20'	
13 - 10	340'	pulled	
9 - 5/8			
8 - 5/8 8 1/4	1013'	pulled	
7 6 5/8	1720'	1720'	
5 1/2			
4 1/2			
3			Perf. Top
2	2" to be run on packer between 1720' and 1790'		Perf. Bottom
Liners	in the Big Lime as determined by caliper survey		Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 488' to 490' (Pittsburgh) _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

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

TO DRILL DEEPER OR REDRILL:

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

TO FRACTURE - STIMULATE:

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

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

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

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

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

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

For Coal Company

Official Title