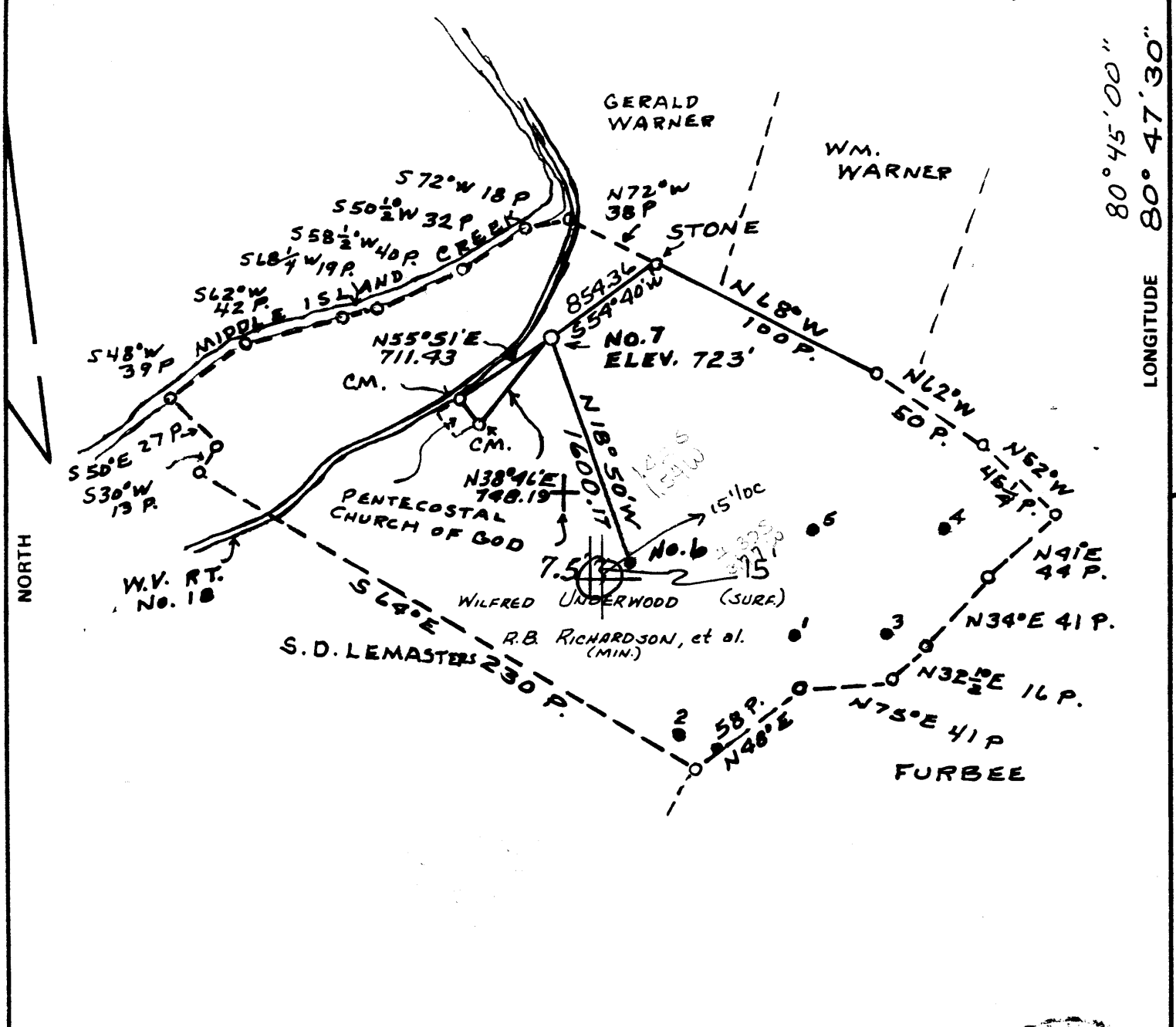


8150 WEST

LATITUDE 39° 27' 30"
39° 30' 00"

LONGITUDE 80° 45' 00"
80° 47' 30"

COD: _____ CARD: _____ PLOT: _____



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 IN. = 1000 FT
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM L-137

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) Charles V. Eller
 R.P.E. _____ L.L.S. No. 39



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



DATE MARCH 11, 1983
 OPERATOR'S WELL NO. T. SMITH #7
 API WELL NO. _____
47 - 095 - 1023-P
 STATE COUNTY PERMIT (Erad.)

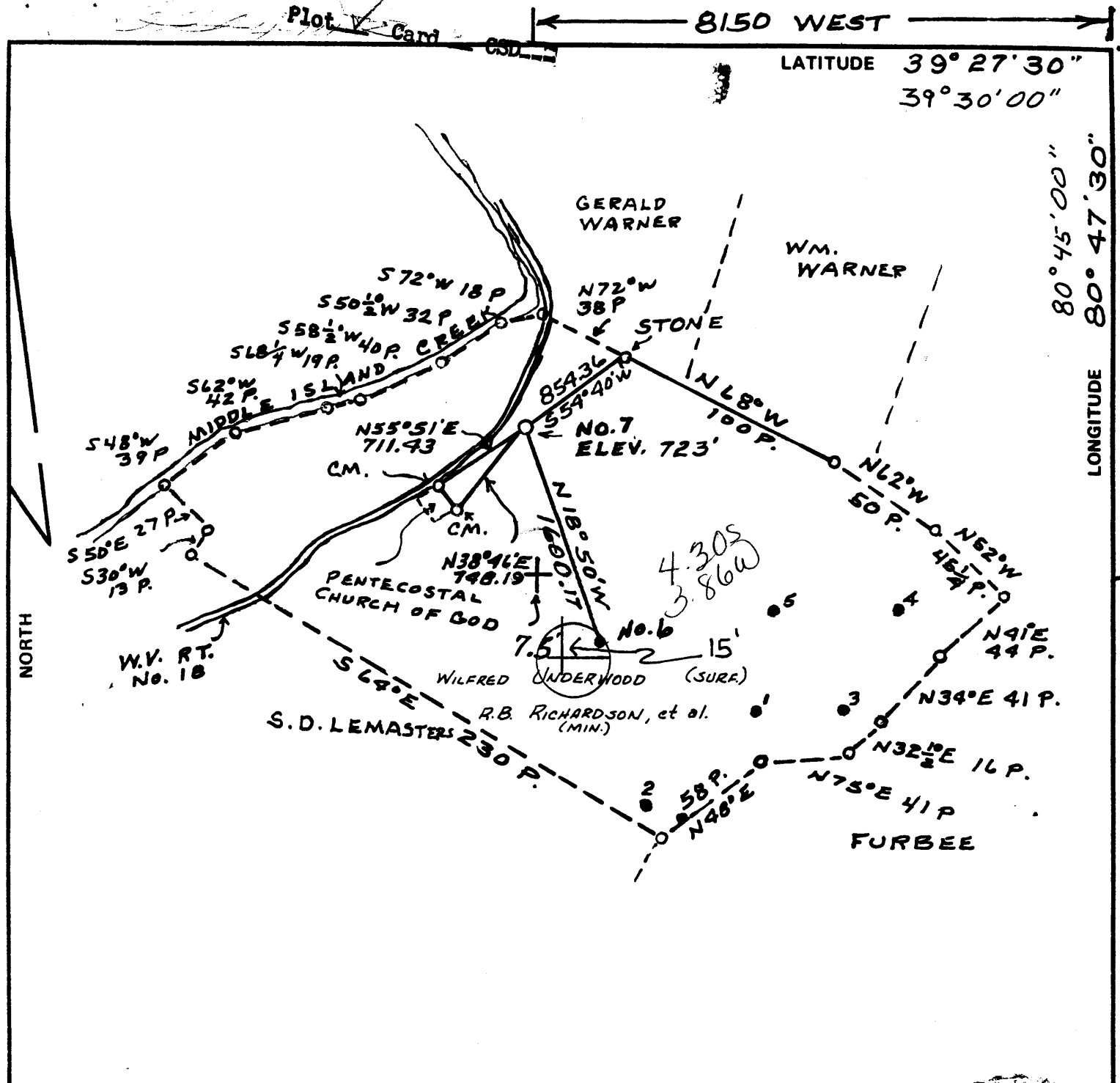
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP SHALLOW _____
 LOCATION: ELEVATION 723 WATER SHED MIDDLE ISLAND CREEK
 DISTRICT MCLEROY COUNTY TYLER
 QUADRANGLE SHIRLEY West Union NE
 SURFACE OWNER WILFRED UNDERWOOD ACREAGE 250
 OIL & GAS ROYALTY OWNER R.B. RICHARDSON, et al. LEASE ACREAGE 250
 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 1852'
 WELL OPERATOR QUAKER STATE OIL REF CO DESIGNATED AGENT CARL J. CARLSON
 ADDRESS P.O. Box # 1327 ADDRESS P.O. Box # 1327
PARKERSBURG, W. VA. 26101 PARKERSBURG, W. VA. 26101

NOV 19 1984

TYLER 1023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 IN. = 1000 FT
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM L-137

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) Charles V. Eller
 R.P.E. _____ L.L.S. No. 39



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



DATE MARCH 11, 1983
 OPERATOR'S WELL NO. T. SMITH #7
 API WELL NO. _____
47 - 095 - 1023
 STATE COUNTY PERMIT

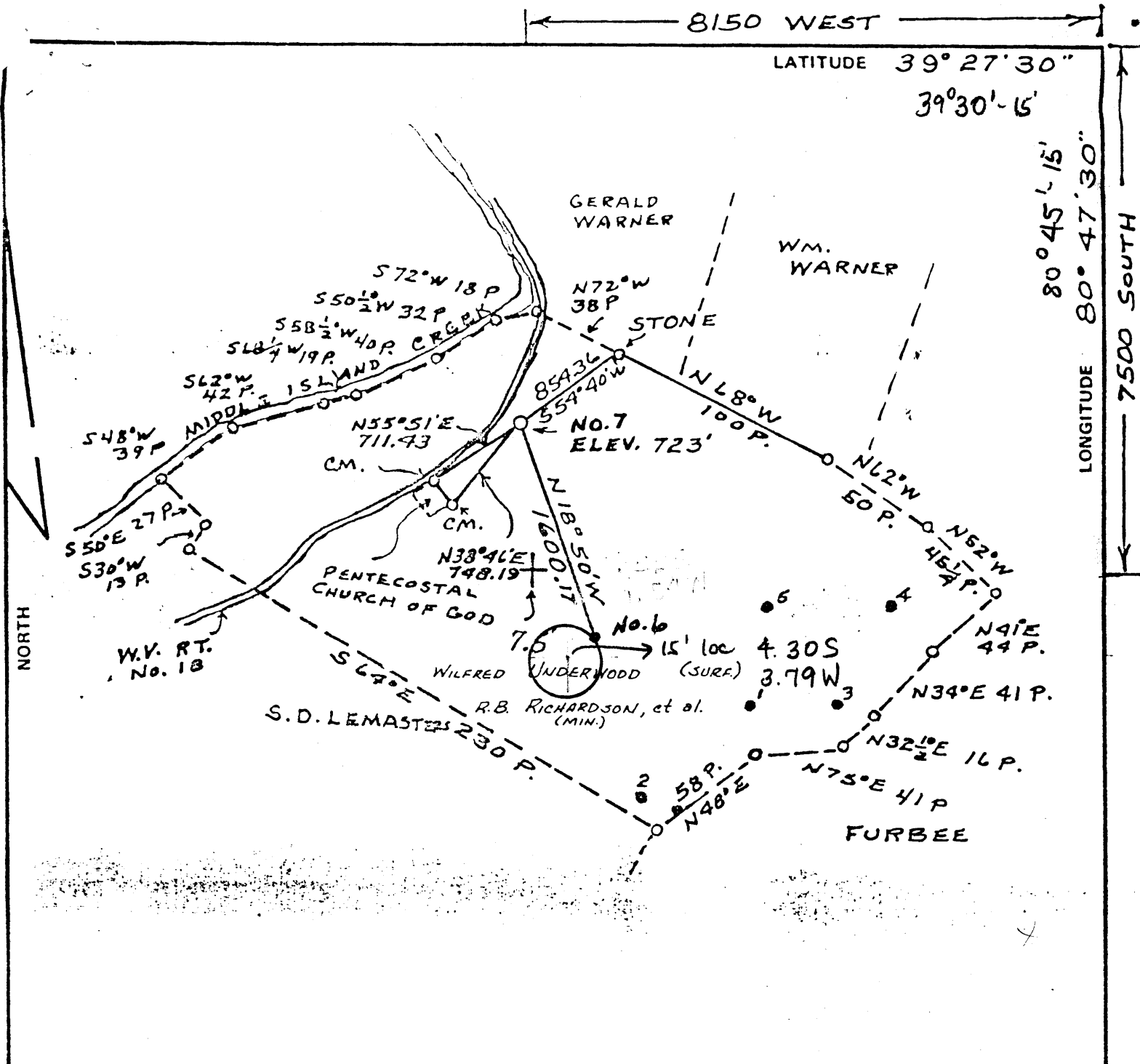
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP SHALLOW _____
 LOCATION: ELEVATION 723 WATER SHED MIDDLE ISLAND CREEK
 DISTRICT MCCELROY COUNTY TYLER
 QUADRANGLE SHIRLEY West Union 15' NE
 SURFACE OWNER WILFRED UNDERWOOD ACREAGE 250
 OIL & GAS ROYALTY OWNER R.B. RICHARDSON, et al. LEASE ACREAGE 250
 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 1852'
 WELL OPERATOR QUAKER STATE OIL REF CO DESIGNATED AGENT CARL J. CARLSON APR 18 1983
 ADDRESS P.O. Box # 1327 ADDRESS P.O. Box # 1327
PARKERSBURG, W. VA. 26101 PARKERSBURG, W. VA. 26101

LONGITUDE 80° 45' 00" 80° 47' 30" 7500 SOUTH

TYLER 1023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 IN. = 1000 FT
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM L-137

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) Charles V. Eller
 R.P.E. _____ L.L.S. No. 39



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



DATE MARCH 11, 1983
 OPERATOR'S WELL NO. T. SMITH #7
 API WELL NO. _____
47 - 095 - 1023
 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 723 WATER SHED MIDDLE ISLAND CREEK
 DISTRICT MCELROY COUNTY TYLER
 QUADRANGLE SHIRLEY West Union 15' NE
 SURFACE OWNER WILFRED UNDERWOOD ACREAGE 250
 OIL & GAS ROYALTY OWNER R.B. RICHARDSON, et al. LEASE ACREAGE 250
 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 Gordon ESTIMATED DEPTH 2601'
 WELL OPERATOR QUAKER STATE OIL REF CO DESIGNATED AGENT CARL J. CARLSON
 ADDRESS P.O. Box # 1327 ADDRESS P.O. Box # 1327
PARKERSBURG, W. VA. 26101 PARKERSBURG, W. VA. 26101



WR-35

RECEIVED State of West Virginia
 JEC 16 1986 DEPARTMENT OF ENERGY
 Oil and Gas Division

Date December 9, 1986
 Operator's Well No. #7
 Farm T. SMITH
 API No. 47 - 095 - 1023

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY
 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: 723' Watershed Middle Island Creek
 District: McElroy County Tyler Quadrangle Shirley 7.5'

COMPANY QUAKER STATE OIL REFINING CORPORATION

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

DESIGNATED AGENT Samuel F. Barber

ADDRESS 1226 Putnam Howe Dr; Belpre, OH 45714

SURFACE OWNER Wilfred Underwood

ADDRESS Alma, WV 26330

MINERAL RIGHTS OWNER R.B. Richardson, et al

ADDRESS Wilmington, DE 19805

OIL AND GAS INSPECTOR FOR THIS WORK

R. Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED

DRILLING COMMENCED June 27, 1983

DRILLING COMPLETED July 02, 1983

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	462'	462'	120 sx
8 5/8			
7			
5 1/2			
4 1/2	2552'	2552'	265 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2465-2475' feet

Depth of completed well 2600' feet Rotary XX / Cable Tools

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

Coal seam depths: 415-425' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2465-2475' feet

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

Final open flow (15) Mcf/d Final open flow (1) 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 Big Injun Pay zone depth 1710-1760 feet

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

Final open flow (10) Mcf/d Oil: Final open flow 4 Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

FOF for well
25 Mcf +
450

DEC 23 1986

(Continue on reverse side)

RECEIVED

SEP 16 1983



IV-35 (Rev 8-81)

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

Date September 15, 1983 Operator's Well No. 7 Farm T. Smith API No. 47 - 095 - 1023

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: 723 Watershed Middle Island Creek District: McElroy County Tyler Quadrangle Shirley 7.5'

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 Wilfred Underwood

ADDRESS Alma, WV 26330

MINERAL RIGHTS OWNER R.B. Richardson, etal 2302 W. 11th Street

ADDRESS Willim gton, Del. 19805

OIL AND GAS INSPECTOR FOR THIS WORK Bob Lowther ADDRESS General Delivery Middlebourne, WV 26149

PERMIT ISSUED

DRILLING COMMENCED 6/27/83

DRILLING COMPLETED 7/2/83

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, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Gordon Depth 2465 - 75 feet

Depth of completed well 2600 feet Rotary XX / Cable Tools

Water strata depth: Fresh na feet; Salt na feet

Coal seam depths: 415 - 425 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Weir + Gordon Pay zone depth 2465 - 75 feet

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

Final open flow 15 Mcf/d Final open flow 1 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 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

SEP 26 1983

(Continue on reverse side)

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

Perforated Weir from 2097 to (2105) and Gordon from (2567) to 2474.

Foam frac'd with 732 MSCF of N₂, 1500 gal methanol, 191 bbl. water, and 18,000# of 20/40 sand. Breakdown at 2890² psi, treated at 2700 psi and 20 BPM.

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	168	
Sandstone			158	334	
Shale			334	386	
Sandstone			386	445	
Shale			445	490	
Sandstone			490	516	
Sandstone & Shale			516	896	
Sandstone			896	916	
Shale & Sandstone			916	1334	
Sandstone			1334	1349	
Shale			1349	1389	
Sandstone			1389	1472	
Shale			1472	1522	
Sandstone			1522	1595	
Little Lime			1595	1612	
Pencil Cave			1612	1622	
Big Lime			1622	1710	
Big Injun			1710	1887	
Shale			1887	2037	
Weir			0237	2131	
Shale			2131	2239	
Berea			2239	2242	
Shale & Siltstone			2242	2414	
Gordon Stray			2414	2434	
Shale			2434	2465	
Gordon			2465	2475	
Shale			2475	2600 DTD	

2600
1887
713 - expl. log

(Attach separate sheets as necessary)

QUAKER STATE OIL REFINING CORPORATION

Well Operator

Michael C. Brannock - Sr. Geologist

By: Michael C. Brannock

Date: September, 15, 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 ~~encountered~~, encountered in the drilling of a well."

REVISED Target Formation,
Est. Depth & Casing.
4/27/83



1) Date: April 11, 19 33
2) Operator's Well No. T. SMITH #7
3) API Well No. 47 - 095 1023
State County Permit

DRILLING CONTRACTOR:

Clint Hurt & Associates
P.O. Box 303
Elkview, WV 25071

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

- 4) WELL TYPE: A Oil XX Gas _____
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 723 Watershed: Middle Island Creek
District: Mc Elroy County: Tyler Quadrangle: Shirley
- 6) WELL OPERATOR QUAKER STATE OIL REFG. CORP. 11) DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327 Address P.O. Box 1327
Parkersburg, WV 26102-1327 Parkersburg, WV 26102-1327
- 7) OIL & GAS ROYALTY OWNER R. B. Richardson, etal 12) COAL OPERATOR NA
Address 2302 W. 11th Street Address _____
Wilmington, Delaware 19805
- 8) SURFACE OWNER Wilfred Underwood 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Alma, WV 26330 Name NA
Address _____
- 9) FIELD SALE (IF MADE) TO: Name _____
Address None Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Robert A. Lowther
Address General Delivery
Middlebourne, WV 26149 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name NA
Address _____
- 15) PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Gordon
- 17) Estimated depth of completed well, 2601 feet
- 18) Approximate water strata depths: Fresh, 123 feet; salt, 1025 feet.
- 19) Approximate coal seam depths: 425 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	6 5/8	H-40	20	xx		450	450	cts	Sizes
Coal									
Intermediate									
Production	5 1/2	J-55	14	xx		2601	2601	310sx	Depths set
Tubing	2	J	4.5	xx		2501	2501	---	
Liners									Perforations:
									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: Dolores L. Branch
My Commission Expires DOBLORES L. BRANCH
Notary Public, State of Ohio
My Commission Expires Feb. 25, 1985

Signed: [Signature]
Its: Carl J. Carlson - Dist. Prod. Manager

OFFICE USE ONLY
DRILLING PERMIT
 Permit number: 095-1023 Date: 4/27/83

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 _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
-------	--------	-------	--------	-----

[Signature]
Administrator, Office of Oil and Gas

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

MAR 18 91

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: QUAKER STATE Operator Well No.: T. SMITH 7

LOCATION: Elevation: 723.00 Quadrangle: SHIRLEY
District: MCELROY County: TYLER
Latitude: 7500 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 8150 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

Coal Operator _____

Inspector: Mr. Mike Underwood

or Owner _____

Permit Issued: 10/09/90

AFFIDAVIT

OHIO
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 12th day of February, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Permanent bridge plug				
Class A cement (35 sx.)	1918	1650		
6% gel	1650	550	565' (5 1/2")	1935' (5 1/2")
Class A cement (55 sx.)	550	400		462' (9 5/8")
6% gel	400	100		
Class A cement	100	0		

Description of monument: 5 1/2" casing - P&A 2/21/91 47-095-01023P

and that the work of plugging and filling said well was completed on the 21st day of February, 1991.

And further deponents saith not.

Timothy S. Knobloch

Tim Clever

Sworn and subscribe before me this 15th day of March, 1991

My commission expires June 23, 1995

Tina J. Russell
Notary Public, State of Ohio
My Commission Expires June 23, 1995

Tina J. Russell
Notary Public