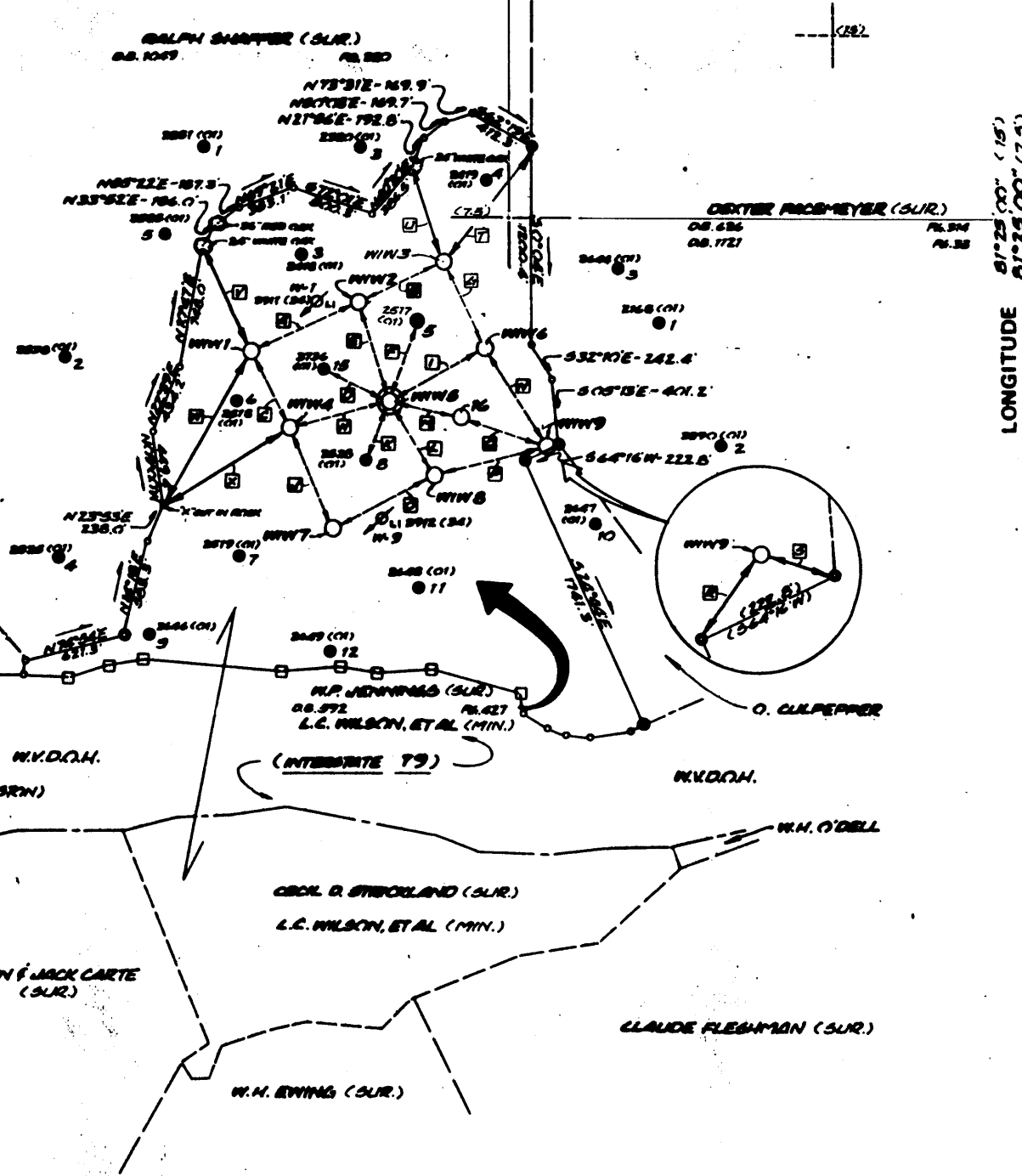


- ④ N65°36'E-784'
- ⑤ N60°30'E-586'
- ⑥ N30°01'W-914'
- ⑦ 365°57'E-433'
- ⑧ 518°22'E-607'
- ⑨ 519°17'W-491'
- ⑩ 524°50'E-588'
- ⑪ N74°35'E-617'
- ⑫ 359°34'W-656'
- ⑬ N22°27'W-651'
- ⑭ N21°43'E-304'
- ⑮ N31°36'W-828'
- ⑯ N78°44'W-491'
- ⑰ 531°56'E-694'
- ⑱ 363°07'W-698'
- ⑲ 573°35'W-683'
- ⑳ N77°18'30'W-838'
- ㉑ N45°39'E-128'
- ㉒ 584°56'W-111'
- ㉓ 338°47'W-889'
- ㉔ N17°30'W-576'
- ㉕ N25°03'W-689'
- ㉖ N25°56'E-1091'
- ㉗ N87°02'E-937'

1982 MAGNETIC NORTH

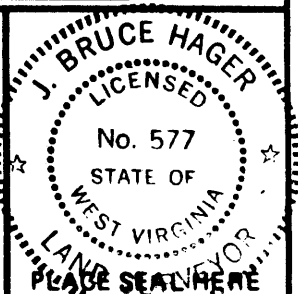


- ⊙ - DISTRICT 1/2" DIA. SOLID IRON BAR
- - DISTRICT WOODEN 6" DIA. 8" W. REPLACEMENT FOUND

FILE NO. 8331-5
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1" IN 1000'
 PROVEN SOURCE OF ELEVATION BLVD. HILL - L.C. WILSON'S
ELEV.: 927'

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.L.S. 577



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APRIL 11, 19 83
 OPERATOR'S WELL NO. WIW5
 API WELL NO. _____
47 - 039 - 3956-LI-P
 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 846' 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-1029
 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 BLG IN/IN ESTIMATED DEPTH 2021
 WELL OPERATOR QUAKER STATE OIL REC CORP DESIGNATED AGENT CARL J. CARLSON
 ADDRESS PO. BOX 1327 ADDRESS PO. BOX 1327

JUN 1 1992

KAN. 3956 LI

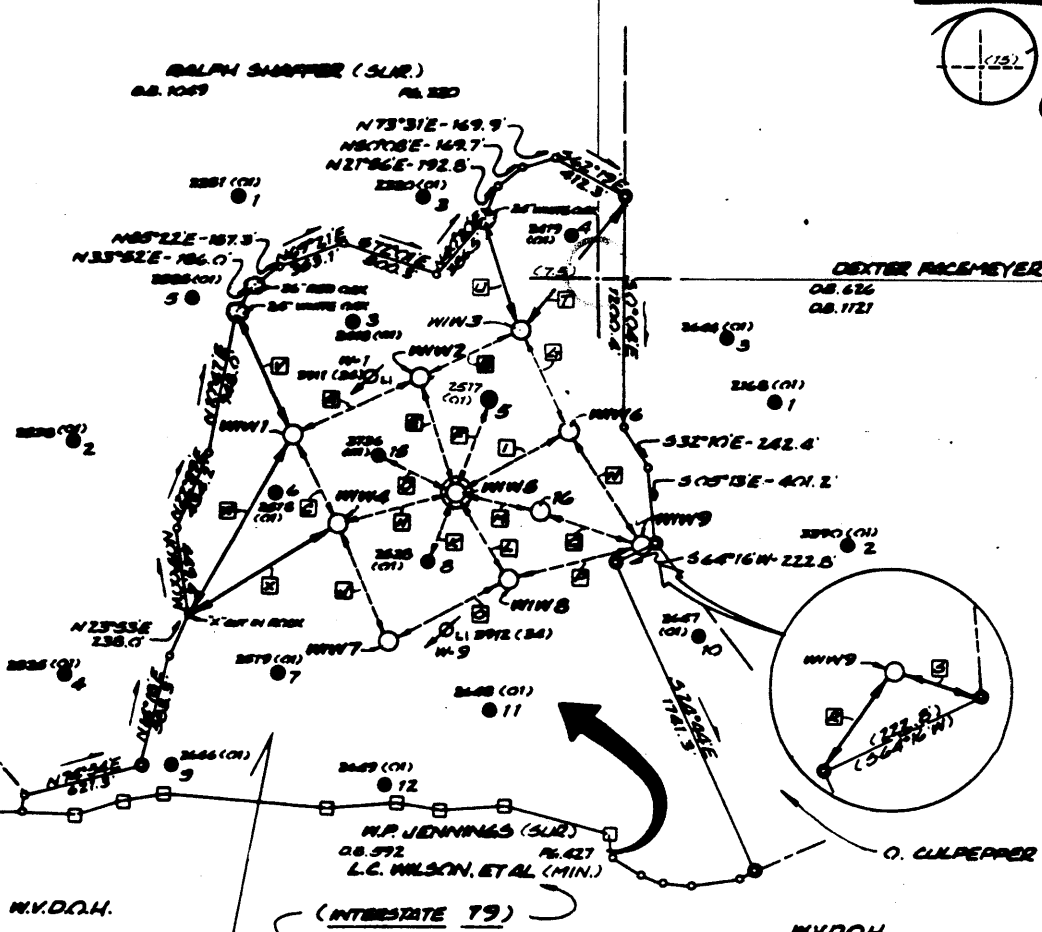
5-2-83 Plot

6350' W

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

- ④ N65°36'E-724'
- ④ N60°30'E-586'
- ④ N30°01'N-514'
- ④ S65°57'E-433'
- ④ S15°22'E-607'
- ④ S19°10'W-491'
- ④ S24°50'E-588'
- ④ N74°35'E-617'
- ④ S99°34'W-656'
- ④ N22°27'W-651'
- ④ N21°43'E-384'
- ④ N31°35'W-528'
- ④ N78°44'W-431'
- ④ S31°56'E-694'
- ④ S63°07'W-698'
- ④ S73°33'W-683'
- ④ N71°18'30'W-538'
- ④ N45°39'E-125'
- ④ S84°56'W-111'
- ④ S38°47'W-889'
- ④ N17°30'W-578'
- ④ N25°03'W-689'
- ④ N28°58'E-1091'
- ④ N37°02'E-937'

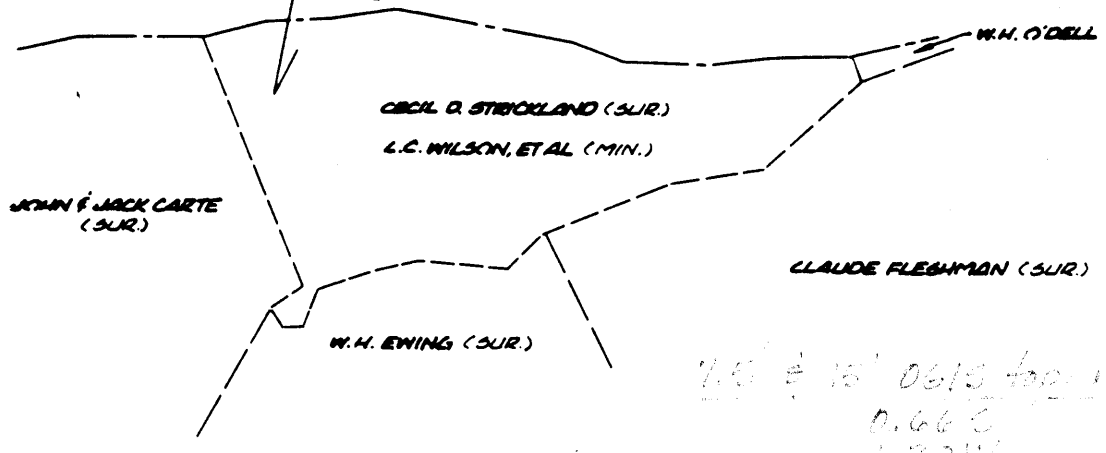
1982 MAGNETIC NORTH



0.645
1.20W

LONGITUDE 81°25'00" (7.5)

5000'

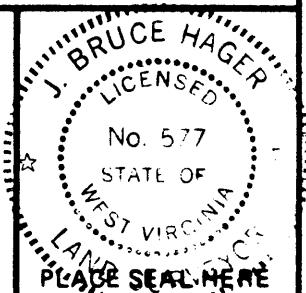


7.6 ± 15' 0.615 top 100
0.645
1.20W

- ⊙ - DENOTES 1/2" DIA. SOLID IRON BAR
- - DENOTES W.V.D.O.H. CONC. BENCH MARK FOUND

FILE NO. 8331-5
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1" IN 1500'
 PROVEN SOURCE OF ELEVATION EXIST. WELL - L.C. WILSON'S
ELEV.: 927'

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

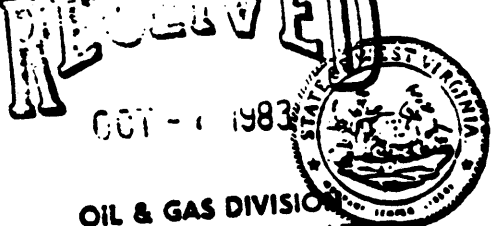


DATE APRIL 11, 19 83
 OPERATOR'S WELL NO. WINS
 API WELL NO. _____
47 - 039 - 3956-LI
 STATE COUNTY PERMIT

(+) 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 846' WATER SHED WILLS CREEK OF LITTLE SANDY CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK 7.5; CLENDENIN 14' NW
 SURFACE OWNER W.P. JENNINGS ACREAGE 139.91
 OIL & GAS ROYALTY OWNER L.C. WILSON, ET AL LEASE ACREAGE 279
 LEASE NO. W-1099
 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 ___ 8-0 Blue Creek (27)
 TARGET FORMATION BIG INDIAN ESTIMATED DEPTH 2021 MAY 09 1983
 WELL OPERATOR QUAKER STATE OIL REC. CORP. DESIGNATED AGENT CARL J. CARLSON
 ADDRESS PO BOX 1327 ADDRESS PO BOX 1327

KAN. 3956 LI



IV-35
(Rev 8-81)

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

Date September 30, 1983
Operator's
Well No. WIW #5
Farm L.C. WILSON
API No. 47 - 039 - 3956

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection XX / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 846 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 Blvd., Charleston, WV
OIL AND GAS INSPECTOR FOR THIS WORK Craig Davidson
Duckworth ADDRESS Gassaway, WV 26624
PERMIT ISSUED 4/14/83
DRILLING COMMENCED 5/22/83
DRILLING COMPLETED 5/25/83
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 Cord.			
13-10"			
9 5/8			
8 5/8	292	292	cts
7			
5 1/2			
4 1/2	1982	1982	150 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 1853 - 1904 feet
Depth of completed well 2000 feet Rotary XX / Cable Tools
Water strata depth: Fresh 248 feet; Salt 1188 feet
Coal seam depths: na Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Ebl/d
Final open flow Mcf/d Final open flow Ebl/d
Time of open flow between initial and final tests hours
Static rock pressure 840 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 Ebl/d
Final open flow Mcf/d Oil: Final open flow Ebl/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)

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

Perforated from 1864 - 1898 w/18 shots.

Frac'd w/106 bbl. water and 16 sx of 20/40 sand.

Fm. breakdown - 2400 psi

ISIP - 840 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	248	
Sandstone			248	258	
Shale			258	262	
Sandstone & Shale			262	1189	
Salt Sand			1189	1583	
Shale			1583	1645	
Sandstone			1645	1664	
Little Lime			1664	1701	
Pencil Cave			1701	1715	
Greenbrier Lime			1715	1855	
<u>Injun Sand</u>			1855	1904	
Shale & Siltstone			1904	<u>2000 TD</u>	

(Attach separate sheets as necessary)

QUAKER STATE OIL REFINING CORPORATION

Well Operator

Steve Opritza - Geologist

By: Steve Opritza

Date: 9/30/83

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."

17) CASING AND TUBING PROGRAM

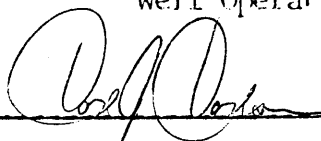
CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	H-40	20	xx		276'	276'	cts NeaT	
Coal									Sizes
Intermediate									
Production Tubing	4 1/2	J-55	9.5	xx		2021'	2021'	202 sx	Depths set
Liners									Perforations
									Top Bottom

28) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed 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.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

QUAKER STATE OIL REFINING CORPORATION
Well Operator

By 
Its Carl J. Carlson
District Production Manager

W A I V E R

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.

Date: _____, 19____.

By: _____
Its _____

OFFICE USE ONLY

PERMIT

Permit number 47-039-3956

May 4 Date 19 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 prior to the construction of roads, locations and pits for any permitted work. (Refer to No. 10)

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 work is commenced prior to that date and prosecuted with due diligence.

Plat:	Agent:	Plat:	Casing:	Fee:
<u>Blanket</u>	<u>D.K. M.J.</u>	<u>M.J.</u>	<u>M.J.</u>	<u>2231</u>


Administrator, Office of Oil and Gas

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION 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: JENNINGS, W. P. Operator Well No.: L.C. WILSON #5

LOCATION: Elevation: 846.00 Quadrangle: BLUE CREEK
District: ELK County: KANAWHA
Latitude: 3500 Feet South of 38 Deg. 30 Min. 0 Sec.
Longitude 6350 Feet West of 81 Deg. 25 Min. 0 Sec.

Well Type: OIL _____ GAS _____ UIC X _____

Company: Quaker State Corporation Coal Operator N/A
P.O. Box 189 or Owner
Belpre, OH 45714

Agent: Frank Rotunda Coal Operator N/A
or Owner

Permit Issued: 05/26/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha

ss:

George Cumberledge and Leroy Bush 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 the above named well operator, and participated in the work of plugging and filling the above well, and Carlos Hively Oil and Gas Inspector representing the Director, say that said work was commenced on the 20th day of October, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
6% Gel	1982	1905		
Class A Cement 16 sks	1905	1705		4 1/2 x 23/8 R4PKR 1905
6% Gel	1705	1100		
4 1/2 Casing cut @ 1097			0-1097 4 1/2	1097-1982 4 1/2
Class A Cmt. 47 sks	1100	950		
6% Gel	950	353		
Class A Cmt. 31 sks	353	253		292" 8 5/8
6% Gel	253	100		
Class A Cmt. 31 sks	100	0		

Description of monument: 5 1/2" Casing 47-39-03956-P P&A 10/20/92
and that the work of plugging and filling said well was completed on the 20th day of October, 1992.

And further deponents saith not.

Sworn and subscribe before me this 8th day of December, 1992
My commission expires: 3-14-95

George Cumberledge
Leroy Bush
Dolores L. Branch
Notary Public

Oil and Gas Inspector: Carlos W. Hively
12-3-92