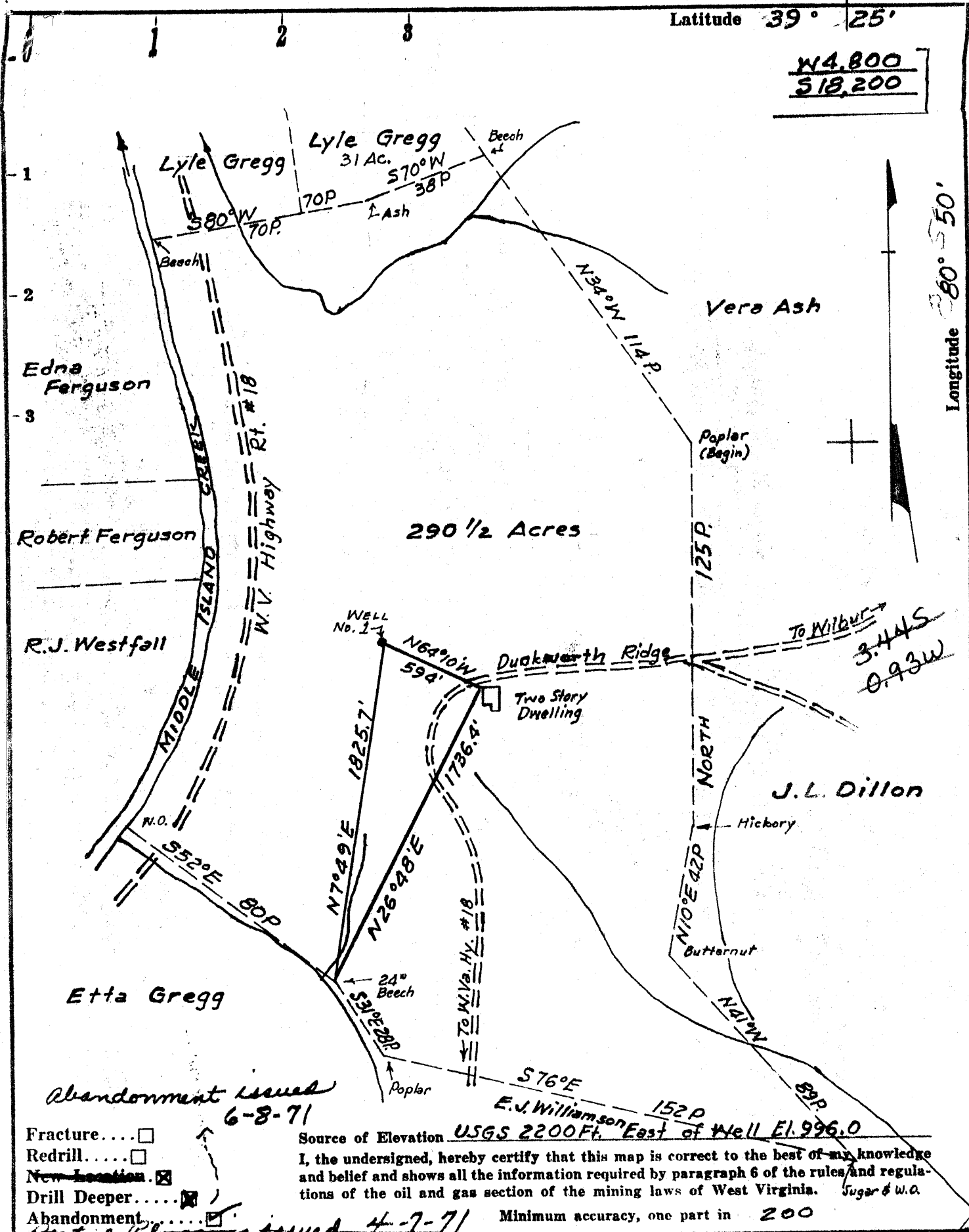


Latitude 39° 25'

W4.800
518,200



Longitude 80° 55'

290 1/2 Acres

Source of Elevation USGS 2200 Ft. East of Well El. 996.0
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Sugar & W.A.
 Minimum accuracy, one part in 200

- Fracture...
- Redrill...
- New Location...
- Drill Deeper...
- Abandonment...

Company Quaker State Oil Refining Corp.
 Address P.O. Box 1327, Parkersburg, W. Va.
 Farm C. D. Cottrill
 Tract _____ Acres 290.5 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 956.6 Nat. Surface
 Quadrangle West Union C
 County Tyler District Centerville
 Surveyor or Engineer Arley S. Marshall
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date Sept. 4, 1970 Scale 1" = 660'

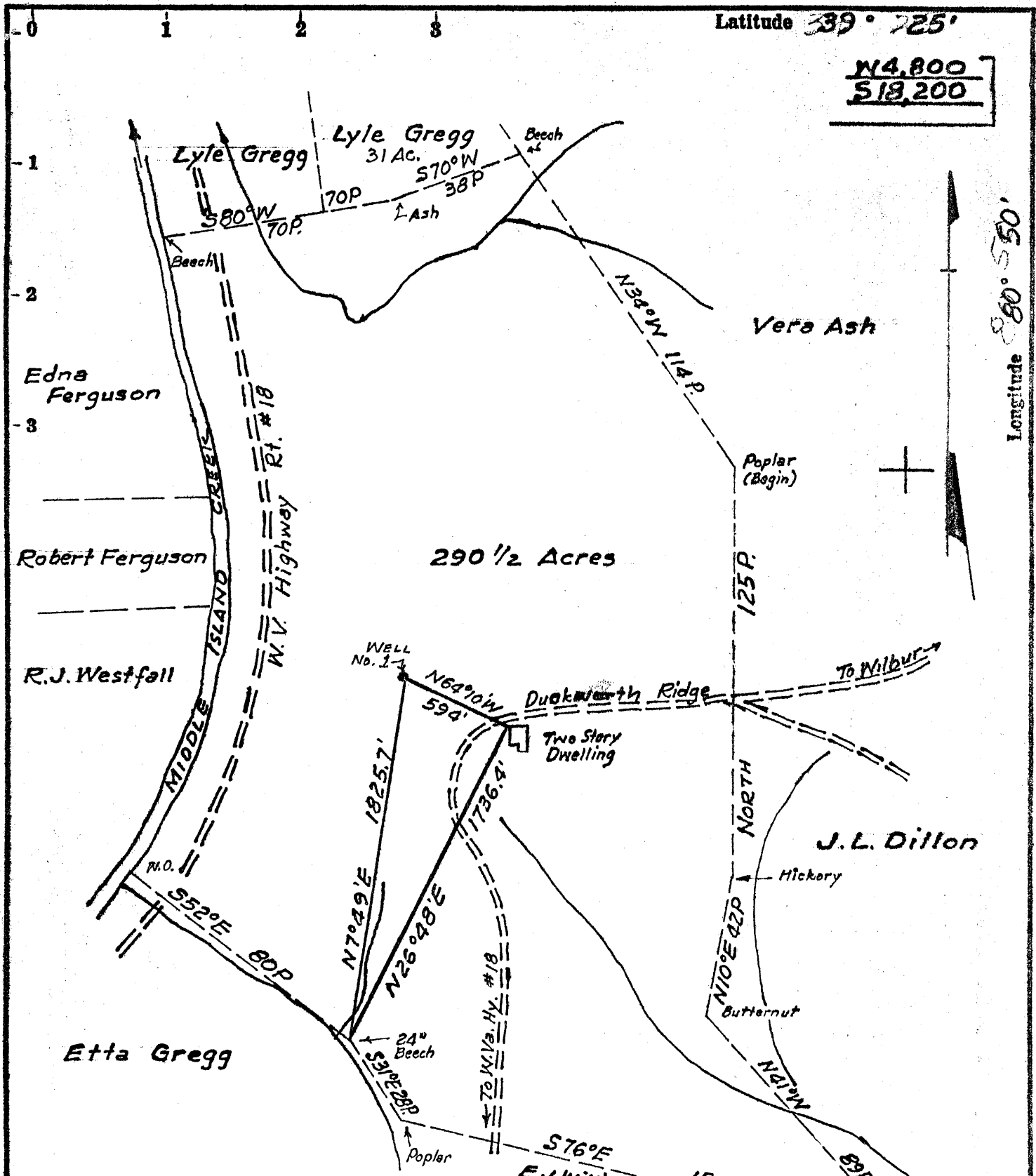
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. TYL: 427-DD. PA

+ 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.

Latitude $39^{\circ} 25'$

W4,800
S18,200



290 1/2 Acres

Source of Elevation USGS 2200 Ft. East of Well El. 996.0

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. *Sugar & W.O.*

Minimum accuracy, one part in 200

- Fracture....
- Redrill....
- New Location.
- Drill Deeper.....
- Abandonment.....

Partial Plugging issued 4-7-71

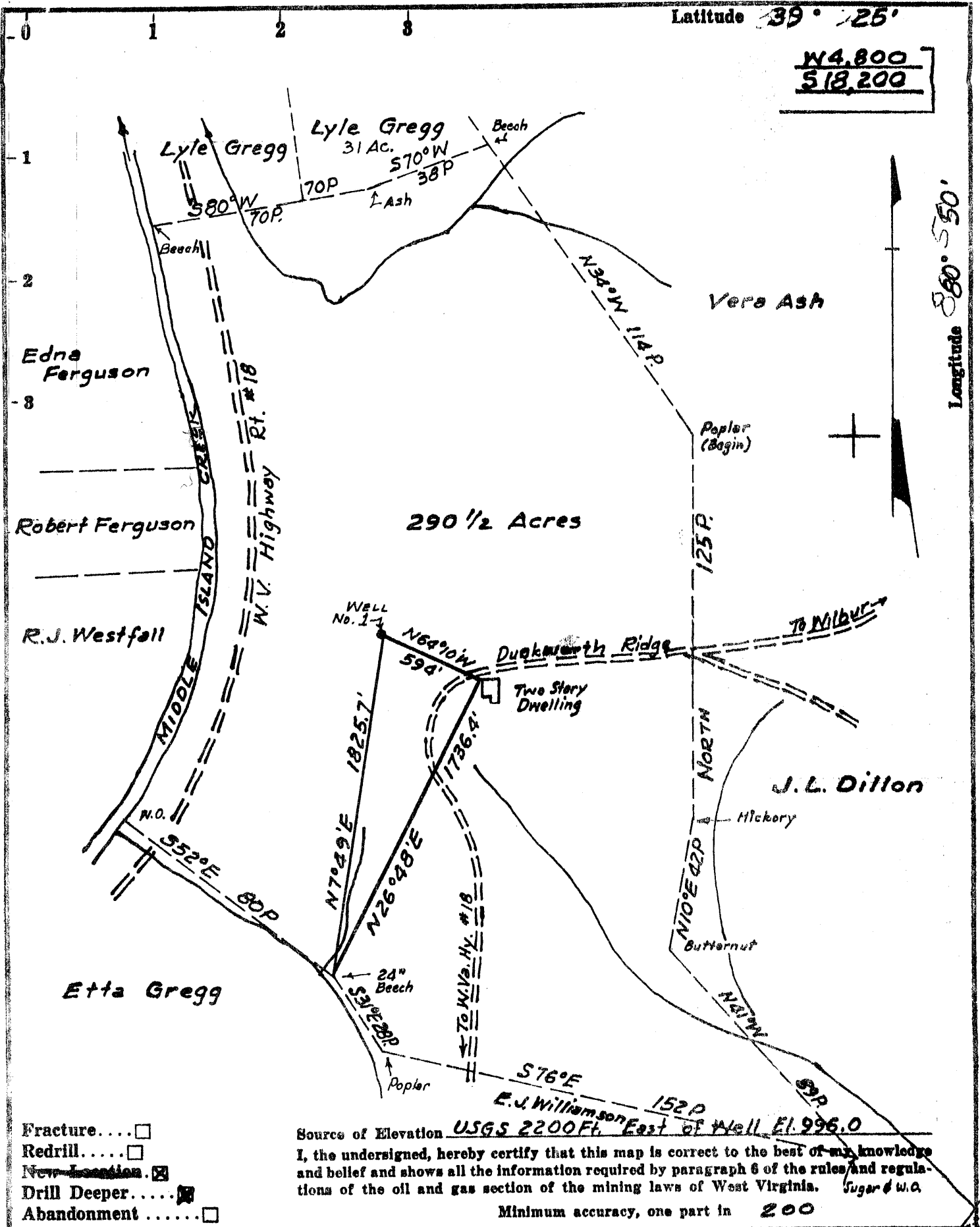
Company Quaker State Oil Refining Corp.
 Address P.O. Box 1327, Parkersburg, W. Va.
 Farm C. D. Cottrill
 Tract _____ Acres 290.5 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 956.6 Nat. Surface
 Quadrangle West Union C
 County Tyler District Centerville
 Surveyor or Engineer Arley S. Marshall
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date Sept. 4, 1970 Scale 1" = 660'

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

WELL LOCATION MAP
FILE NO. TYL-427-DD-77

+ 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.



W4,800
518,200

- Fracture....
- Redrill.....
- New location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation USGS 2200 Ft. East of Well El. 996.0
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. *Sugar & W.C.*
 Minimum accuracy, one part in 200

Company Quaker State Oil Refining Corp.
 Address P.O. Box 1327, Parkersburg, W. Va.
 Farm C. D. Cottrill
 Tract _____ Acres 290.5 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 956.6 Nat. Surface
 Quadrangle West Union C
 County Tyler District Centerville
 Surveyor or Engineer Arley S. Marshall
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date Sept. 4, 1970 Scale 1" = 660'

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

WELL LOCATION MAP
FILE NO. TYL-427-DD.

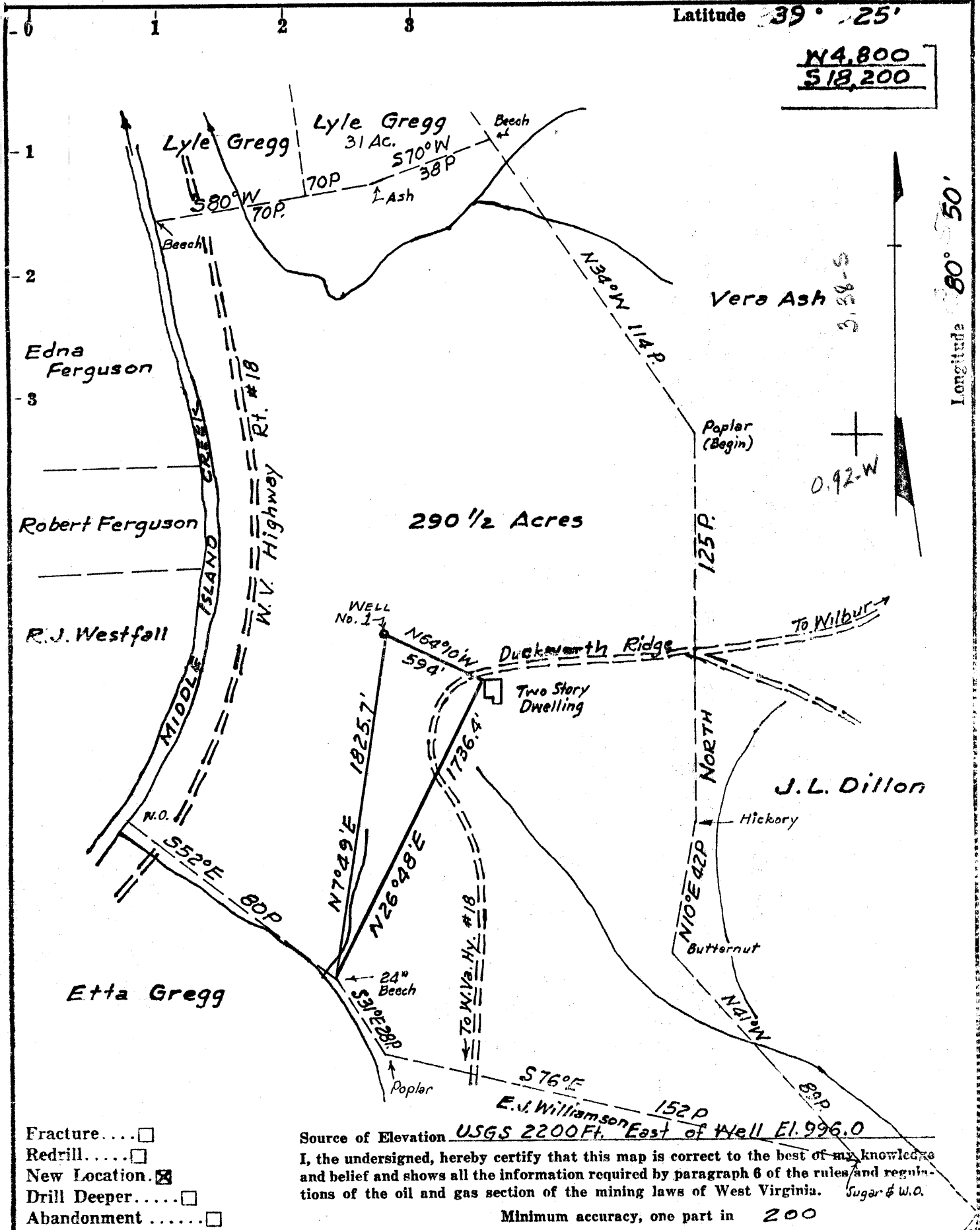
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

WD

Latitude $39^{\circ} 25'$

N4,800
S18,200



- Fracture....
- Redrill.....
- New Location
- Drill Deeper.....
- Abandonment.....

Source of Elevation USGS 2200 Ft. East of Well El. 996.0

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Sugar & W.O.

Minimum accuracy, one part in 200

Company Quaker State Oil Refining Corp.
 Address P.O. Box 1327, Parkersburg, W. Va.
 Farm C. D. Cottrill
 Tract Acres 290.5 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 956.6 Nat. Surface
 Quadrangle West Union
 County Tyler District Centerville
 Surveyor or Engineer Arley S. Marshall
 Surveyor's or Engineer's Registration No. 3
 File No. _____ Drawing No. _____
 Date Sept. 4, 1970 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. TYL-427

+ 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.

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

Rotary 3367 to 681
Spudder
Cable Tools to 3367'
Storage

Quadrangle West Union

Permit No. TYL-427

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company Quaker State Oil Refining Corporation
Address P. O. Box 1327, Parkersburg, W. Va.
Farm C. D. Cottrill Acres 290.5
Location (waters) Middle Island Creek
Well No. One Elev. 956.6
District Centerville County Tyler
The surface of tract is owned in fee by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	19'		Kind of Packer
13			
10	199'	199'	Size of
8 1/4	1412	----	
6 1/2	1808	1808	Depth set
5 3/16			
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

Mineral rights are owned by C. D. Cottrill Heirs
Jacob C. Cottrill, Agent Address 205 Crown Ave., Pennsylvania
W. Va.

Drilling commenced 9-11-70
Drilling completed 4-7-71
Date Shot _____ From _____ To _____
With _____

Open Flow 110 /10ths Water in _____ Inch
20,000 /10ths Merc. in 2 X 1/4 OWT Inch
Volume 20,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show at 905' bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED 10 SIZE 199' No. Ft. _____ Date _____
Amount of cement used (bags) 1808' of 7" w/25 sacks
Name of Service Co. Halliburton 10/7/
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water 120' Feet _____ Salt Water 1415' Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Rock	Red		0	10			
Sand			10	40			
Rock	Red		40	90			
Slate & Shells			90	130			
Lime			130	158			
Rock	Red		158	165			
Slate & Shells			165	190			
Rock	Red		190	270			
Slate & Shells			270	330			
Rock	Red		330	355			
Lime			355	375			
Slate & Shells			375	385			
Lime			385	440			
Sand			440	485			
Slate & Shells			485	560			
Lime			560	595			
Slate & Shells			595	620			
Sand			620	640			
Slate & Shells			640	700			
Lime			700	735			
Lime	Red		735	845			
Slate & Shells			845	895			
Sand			895	920	Show of oil @ 905'		
Rock	Red		920	935			
Slate & Shells			935	1085			
Sand			1085	1120			
Slate & Shells			1120	1235			
Lime			1235	1255			
Sand			1255	1295			
Slate & Shells			1295	1325			

(over)

6816
2600
4216 EXPL FT.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1325	1455	Hole Full of Water @ 1415'		
Slate & Shells			1455	1670			
Lime			1670	1685			
Sand			1685	1705			
Slate & Shells			1705	1736			
Sand			1736	1760			
Slate			1760	1775			
Lime			1775	1795			
Slate			1795	1798			
Big Lime			1798	1873			
Sand			1873	2005			
Slate & Shells			2005	2050			
Lime			2050	2080			
Slate & Shells			2080	2120			
Sand			2120	2150			
Slate & Shells			2150	2173			
Sand			2173	2278			
Slate & Shells			2278	2550			
Sand & Slate			2550	2608		Gas @ 2585'	
Slate & Shells			2608	3180			
Lime			3180	3225			
Slate & Shells			3225	3258			
Sand			3258	3325			
Slate & Shells			3325	3367			
TOTAL DEPTH				3367'			
Shale			3367	6428			
Onondaga			6428	6685			
Oriskany			6685	6788			
Lime			6788	6816			

Date June 7, 19 71

APPROVED QUAKER STATE OIL REFINING CORP., Owner

By R. C. Pingrey (RMX)
District Superintendent

RECEIVED

JUN 2 1972

FORM OG-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, 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.

COAL OPERATOR OR OWNER	QUAKER STATE OIL REFINING CORPN.
ADDRESS	NAME OF WELL OPERATOR Post Office Box 1327, Parkersburg, W.Va. 26101
COAL OPERATOR OR OWNER	COMPLETE ADDRESS July 27, 1971
ADDRESS	WELL AND LOCATION Centerville District
LEASE OR PROPERTY OWNER % Jacob C. Cottrill, Agent 205 Crown Ave. ADDRESS Pennsboro, W.Va.	Tyler County Well No. 1, (one) C. D. Cottrill Farm

STATE INSPECTOR SUPERVISING PLUGGING Arthur Null, Box 296, Mundred, W.Va. 26575

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Tyler } ss:

Glenn Wyckoff and Austa Wyckoff
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 Oil Ref. Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 29 day of June, 1971, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSS PULLED	CSS LEFT IN
Original depth 6816 feet. Plugged back to 3325 feet under Permit no. TYL.* 427 P. P.	Set bridge at 2025 feet. 10 feet of crushed stone on top of bridge, and 20 feet of cement on top of stone.	Set bridge at 1830 feet. 10 feet of crushed stone on top of bridge and 10 feet of cement on top of stone. Cut 7" casing at 1200 feet. Put bridge in at 1200 feet. 10 feet of crushed stone on top of bridge and 20 feet of cement on top of stone. Pulled 8" casing. Cut 8" casing at 998 feet. Pulled 8" casing. Put bridge in at 998 feet and filled with stone and clay to 390 feet. Put 20 feet of cement on top of stone and clay. Set bridge at 290 feet. 10 feet of crushed stone on top of bridge, and 10 feet of cement on top of stone. Filled with clay from 270 feet to 10 feet of the surface. Cemented 13 feet of 7" casing in, 3 feet of 7" casing above Ground level with the following plaque cemented in top of 7" casing.		
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)	Q. S. O. R. C.			
(NAME)	C. D. Cottrill # 1			
(NAME)	P. & A. 7-27-1971			
(NAME)	Permit # TYL-427-P			

and that the work of plugging and filling said well was completed on the 27 day of July, 1971.

And further deponents saith not.

Sworn to and subscribed before me this 23 day of August, 1971.

My commission expires:
Feb. 10, 1981

Glenn Wyckoff
Austa Wyckoff
Elma Willey
Notary Public.

Permit No. TYL-427-P S. NOLL

JUN 15 1972

** W VA TYLER 17900 S 4900 W 39.25 80.50
 QUAKER STATE OIL REFINING 1 COTTRILL 427-D CENTERVILLE
 971 KB 957 GR WILBUR SUS
 SPUD 04/02/71
 LTD 6818 PB 3250 OTD 3367
 LOG-- -- TOP -- ---- - LOG-- -- TOP -- ----
 ONONDAGA 6428 6685 5457- ORISKANY 6685 6760 5714-
 MAP QUAD W UNION PROJ DEPTH ORISKANY AC 291
 CONTR RAY RESOURCE TOOLS RT
 CARTER COORD 12-II-104
 OWDD
 WELL NAME - I C D COTTRILL
 WILBUR FIELD PRODUCES FROM BIG INJUN AT 1800
 FT, GORDON AT 2650 FT
 PB 3250 TO TEST GORDON, DROPPED FROM REPORT.
 UNTIL WELL IS COMPLETE
 COMPLETION

ISSUED 04/16/71