

Minimum Error of Closure 1' in 200'

Source of Elevation USGS Elev @ Road Intersection as Shown on Plat

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: H. S. Johnston
 Squares: N S E W

Company Quaker State Oil Refg. Corp
 Address P.O. Box 1327 Parkersburg, W. Va.
 Farm Berlin Spurgeon et al
 Tract _____ Acres 83 Lease No. _____
 Well (Farm) No. ① Serial No. _____
 Elevation (Spirit Level) 998.4
 Quadrangle Holbrook - EC
 County Doddridge District Cove
 Engineer H. S. Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Sept 20, 1965 Scale 1" = 330'

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

WELL LOCATION MAP

FILE NO. Dod-1325

† 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 6

Rotary
Spudder
Cable Tools
Storage

Quadrangle Holbrook
Permit No. DOD-1325

WELL RECORD

Oil or Gas Well DRY
(KIND)

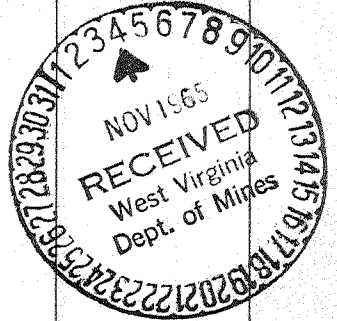
Company QUAKER STATE OIL REFINING CORPORATION
Address P. O. BOX 1327, PARKERSBURG, W. VA.
Farm Berlin Spurgeon Acres 83
Location (waters) Bear Fork
Well No. 1 (One) Elev. 998.4
District Cove County Doddridge
The surface of tract is owned in fee by Berlin Spurgeon
Address Oxford, W. Va.
Mineral rights are owned by Berlin Spurgeon, Agent
Address Oxford, W. Va.
Drilling commenced 9-28-65
Drilling completed 10-27-65
Date Shot --- From --- To ---
With ---
Open Flow --- /10ths Water in --- Inch
--- /10ths Merc. in --- Inch
Volume --- Cu. Ft.
Rock Pressure --- lbs. --- hrs.
Oil --- bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) ---
WELL FRACTURED (DETAILS) ---

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
8 14 (2 jts)	40'		
10.	305'		Size of
8 1/4	981'		
6 3/8			Depth set
5 3/16			
4 1/2			Perf. top
3.			Perf. bottom
2.			Perf. top
Liners Used			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED None SIZE --- No. Ft. --- Date ---
Amount of cement used (bags) ---
Name of Service Co. ---
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 1 - 10" bailer/hr Feet 135-140' Salt Water --- Feet ---
Producing Sand --- Depth ---

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Slate			10	25			
lime			25	30			
and			30	45	Water - 30' - Hole full		
ed Rock		Soft	45	135			
and		Hard	135	150	Water - 135-140', 1 - 10" bailer/hr.		
ed Rock		Soft	150	155			
ime shell		Hard	155	160			
ed rock		Soft	160	235			
late & shells		Medium	235	255			
ed rock		Medium	255	270			
and		Hard	270	295			
late & shells		Medium	295	305			
ed rock		Soft	305	345			
late & shells		Medium	345	370			
and		Medium	370	425			
late & shells		Medium	425	470			
and		Hard & sharp	470	483			
late & shells		Medium	483	520			
ime		Hard	520	530			
late & shells		Medium	530	630			
ed rock		Medium	630	640			
late & shells		Medium	640	665			
ed rock		Medium	665	675			
ritty lime		Hard	675	685			
ed rock		Medium	685	795			
and		Hard	795	805			
ed rock		Soft	805	815			
late & shells		Medium	815	840			
ed rock		Soft	840	850			



Formation	Color	Hard or Soft	Top ⁶	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells		Medium	850	880			
Red rock		Medium	880	980	Depthometer	Run 981'	
Lime		Hard	980	985	Put on long	line 983'	
Slate & shells		Medium	985	1045			
Sand		Hard	1045	1063			
Slate & lime		Medium	1062	1230			
Sand		Hard	1230	1250			
Slate & shells	Dark	Medium	1250	1255			
Sand	White	Medium	1255	1280			
Slate & shells	White	Medium	1280	1300			
Sand	White	Medium	1300	1320			
Slate	Black	Medium	1320	1335			
1st Salt Sand	White	Hard	1335	1397			
Slate & shells	Black	Medium	1397	1480	Depthometer	Run 1465'	
2nd Salt Sand	White	Hard	1480	1570			
Slate & shells	Dark	Medium	1570	1715			
3rd sand	Hard	Grey	1715	1760			
Slate & shells	Black	Medium	1760	1800			
Slate	Brown	Soft	1800	1814			
Maxton Sand	Blue	Hard	1814	1844			
Slate	Black	Medium	1844	1855			
Lime		Hard	1855	1869			
Slate		Medium	1869	1876			
Little Lime	Dark	Hard	1876	1902			
(Pencil)Slate	Dark	Medium	1902	1907			
Big Lime	Dark	Hard	1907	1980			
Big Injun Sand	White	Hard	1980	2030	Good bubble	gas 1981	
Lime	Dark	Hard	2030	2055			
Slate & shells		Medium	2055	2060			
Slate & shells		Medium	2060	2080	Total Depth		

Date November 3, 19 65

APPROVED QUAKER STATE OIL REFINING CORPORATION Owner

By Thomas H. Richards
Engineer (Title)