

LATITUDE 39° 10'  
LONGITUDE 80° 45'

2.6 X 2.5  
2.0 X W  
7

No Public Road Thru. Property

Minimum Error of Closure 1" in 200  
Source of Elevation USGS EL. @ Road Intersection  
3500' East of Location EL. 967

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....  7-26-68

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. L. Johnston*  
Squares: N S E W

Company Quaker State Oil Refd. Corp  
 Address P.O. Box 1327 Parkersburg, W. Va.  
 Farm JENCY KEMPER  
 Tract \_\_\_\_\_ Acres 119 Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 957.5  
 Quadrangle Holbrook EC  
 County Doddridge District Cove  
 Engineer H. L. Johnston  
 Engineer's Registration No. 2492  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Nov. 5, 1965 Scale 1" = 30 P

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

WELL LOCATION MAP

FILE NO. DOO-1334-P

† 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.



*Min. Pk. Please file or file 2-2-66*

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 6

Rotary   
Spudder   
Cable Tools   
Storage

Oil or Gas Well  (KIND)

Quadrangle Holbrook  
Permit No. DOD-1334

WELL RECORD

Company Quaker State Oil Refining Corporation  
Address P. O. Box 1327, Parkersburg, W. Va.  
Farm Jency Kemper Acres 119  
Location (waters) Branch of Bear Fork  
Well No. 1 (One) Elev. 957.5  
District Cove County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Porter Maxwell Heirs  
Address Clarksburg, W. Va.  
Drilling commenced 11-29-65  
Drilling completed 12-24-65  
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.

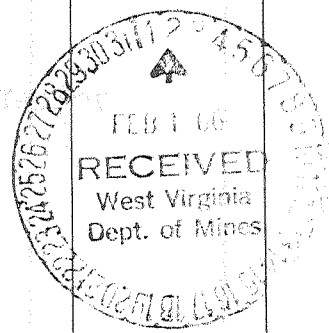
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
<del>14</del> 14"	20'	20'	
10	370	---	Size of
8 1/4	980	---	Depth set
6 3/4			
5 3/16			
4 1/2		1945	
3			Perf. top
2		1942	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED 4 1/2 SIZE 1945 No. Ft. 1-12-66 Date  
Amount of cement used (bags) 50 sacks  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED (DETAILS) by Dowell twice on 1-4-66 & 1-18-66 - used 480 bbl. sand laden water and 11,250# 10-20 sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 120,000 cf  
ROCK PRESSURE AFTER TREATMENT 730# HOURS in 4 days  
Fresh Water 45' Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Injun Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Slate			10	15			
Lime			15	25			
Red rock & lime			25	75	Water @ 45'	(10 bailers/hr.)	
Slate & shells			75	85			
Lime			85	165			
Red rock			165	210			
Pink rock			210	230			
Slate & shells			230	265			
Sand			265	315			
Slate & shells			315	327			
Red rock			327	363			
Sand			363	375			
Slate & shells			375	420			
Pink rock			420	430			
Slate & shells			430	495			
Sand			495	520			
Red rock			520	535			
Slate & shells			535	555			
Red rock			555	570			
Slate & shells			570	580			
Red rock			580	655			
Slate & shells			655	665			
Lime			665	685			
Red rock			685	715			
Slate & shells			715	775			
Red rock			775	795			
Lime			795	840			
Red rock			840	850			
Slate & shells			850	935			



Formation	Color	Hard or Soft	Top <sup>b</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			935	981			
Slate & shells			981	1005			
Lime			1005	1055			
Slate & shells			1055	1085			
Lime			1085	1105			
Sand			1105	1125			
Slate & shells			1125	1135			
Sand			1135	1230			
Slate & shells			1230	1245			
Sand			1245	1305			
Slate			1305	1350			
Slate & lime			1350	1585			
<del>2nd salt sand</del>			1585	1650	Gas show	1620-40	
Slate & shells			1650	1695			
Sand			1695	1715			
Slate & shells			1715	1755			
<del>Little Lime</del>			1755	1780			
Slate & shells (Pencil Cave)			1780	1798			
<del>Big Lime</del>			1798	1858			
<del>Injun</del>			1858	1938	Gas show	1934-38	
Slate & shells			1938	1983			
				1983	TOTAL DEPTH		
LOGS: BIRDWELL		12-27-65					
		Gamma Ray					
		Neutron					
		Density					
PERFORATED:	1938	1 hole					
	1937	1 "					
	1936	1 "					
	1934	1 "					
	1922	3 holes					

Date February 1, 1966

APPROVED: QUAKER STATE OIL REFINING CORPORATION, Owner

By Henry A. [Signature]  
(Title) Engineer