

New Location
 Drill Deeper
 Abandonment

Company QUAKER STATE OIL & REF. CORP.
 Address Box 1789 - PARKERSBURG, W. Va.
 Farm JOHN MILLS
 Tract _____ Acres 5200 Lease No. _____
 Well (Farm) No. 147 Serial No. _____
 Elevation (Spirit Level) 1088.6
 Quadrangle Littleton 5C
 County Wetzel District GRANT
 Engineer L. G. Merrill
 Engineer's Registration No. 152
 File No. _____ Drawing No. _____
 Date Dec. 28, 1960 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Wet-497

+ 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.

6-6 95



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION / 9

Quadrangle Littleton

Permit No. Wetzel-497

WELL RECORD

Oil or Gas Well Oil

(KIND)

Company Quaker State Oil Refng. Corp.
Address Box 1789, Parkersburg, W. Va.
Farm John Mills Acres 5200
Location (waters) Buffalo Run of Fishing Creek
Well No. 147 Elev. 1088.6
District Grant County Wetzel
The surface of tract is owned in fee by State of W. Va.
Address _____
Mineral rights are owned by Mills-Wetzel Lands Inc.
134 S. LaSalle St. Address Chicago 3, Ill.
Drilling commenced 2-14-61
Drilling completed 6-2-61
Date Shot _____ From _____ To _____
With _____
Open Flow 1 /10ths Water in 1/4" Orifice _____ Inch
_____/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure No Test lbs. _____ hrs.
Oil 2 Bbls. bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED 4-28-61 Halliburton

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>447' 2"</u>		Size of
<u>8 3/4</u>	<u>1375'</u>		
<u>8 1/2</u>	<u>2101' 1"</u>	<u>2101' 1"</u>	Depth set
<u>5 3/16</u>	<u>2942.7'</u>	<u>2942' 7"</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 3/8 SIZE 2942 7/8 No. Ft. 4-21-61 Date
Cemented in 31 1/2 Sacks

COAL WAS ENCOUNTERED AT 494 FEET Show INCHES
815 FEET Show INCHES FEET INCHES
FEET INCHES FEET INCHES
8070 gals. Oil and 6000% Sand

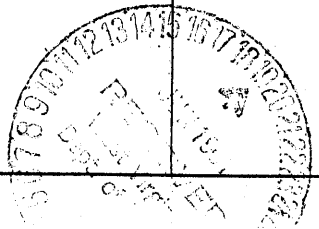
RESULT AFTER TREATMENT 5 B/D Oil 30 Mcf gas

ROCK PRESSURE AFTER TREATMENT No test

Fresh Water 150' and 171' Feet Salt Water 1855' and 2012' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock		Medium	Surface	47			
Shale	Grey	Medium	47	58			
Red Rock		Medium	58	127			
Blue Rock		Hard	127	159			Showing of water 97'
Red Rock		Medium	159	166			Water, 2 bailers per hour 150'
Shale	Grey	Medium	166	234			
Red Rock		Medium	234	250			Water, 5 bailers per hour 171'
Shale	Grey	Medium	250	304			
Lime Shell		Hard	304	322			
Shale	Grey	Medium	322	336			
Lime	Grey	Hard	336	349			
Shale	Dark	Soft	349	367			
Lime		Hard	367	418			
Shale	Dark	Medium	418	505			Showing of coal 494'
Lime & Shale		Hard	505	520			
Shale	Grey	Medium	520	594			
Lime-Shells-Shale			594	618			
Lime	Grey	Hard	618	630			
Lime Shells & Shale			630	690			
Lime	White	Hard	690	722			
Lime Shells & Shale			722	807			
Lime Shells & Shale			807	815			Show of coal 815'
Lime		Hard	815	837			
Shale	Grey	Medium	837	869			
Lime Shells & Shale			869	923			
Sand	Grey	Medium	923	947			
Shale	Grey	Medium	947	961			
Sand	Grey	Medium	961	988			
Lime & Shells		Medium	988	1057			
Red Rock		Medium	1057	1074			

(over)



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Grey	Medium	1074	1136			
Red Rock		Medium	1136	1165			
Lime		Hard	1165	1174			
Shale	Grey	Medium	1174	1217			
Red Rock		Medium	1217	1236			
Lime & Shells		Medium	1236	1262			
Shale	Dark	Medium	1262	1344			
Red Rock		Medium	1344	1351			
Shale	Dark	Medium	1351	1365			
Gas Sand U		Medium	1365	1406			
Shale	Grey	Medium	1406	1427			
1st Salt Sand L		Medium	1427	1526			
Shale & Sand	Dark	Medium	1526	1661			
2nd Salt Sand			1661	1687			
Shale	Dark	Soft	1687	1704			
Sand	Grey	Medium	1704	1748			
Shale & Sand		Medium	1748	1813			
3rd Salt Sand	White	Hard	1813	1869	Water, 2 bailers /hour		1855'
Shale & Sand		Medium	1869	1948			
Red Rock		Medium	1948	2012			
Maxton Sand	White		2012	2030	Water, 4 bailers /hour		2012 - 2026'
Lime & Shale				2067			
Little Lime		Hard		2079			
Pencil Cave				2082			
Big Lime	Grey	Hard		2137			
Sand BI	White	Medium		2356	Show of gas	2237'	Show of gas and water 2237'
Shale & Shells				2399			
Shale	Grey	Medium		2477			
Gantz Sand	Grey	Hard		2533			
Sand Shells & Sand		Medium	2533	2586			
Shale	Dark	Medium	2586	2676			
Sand & Shale	Dark	Hard	2676	2775			
Shale	Dark	Medium	2775	2901			
Sand Gordon	Stray and	Gordon	2901	2954			
Sand & Shale			2954	2981			
		TD	2981'				
			Gas and show of oil	2902' - 2943'			
			Gas Tested 10" H ₂ ^o	through 5/8" Orifice			
			Oil show and gas	2945' - 2954'			
			Gas Tested 1" H ₂ ^o	through 1/4" Orifice			

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)