

New Location
 Drill Deeper
 Abandonment Surface owned by Paul McCutchan

In Netzel County?
 NO

Company Quaker State Oil & Refining Corp.
 Address Box 1789, Parkersburg, W. Va.
 Farm Thomas McCormack Heirs
 Tract _____ Acres 125 1/4 Lease No. _____
 Well (Farm) No. 8 Serial No. _____
 Elevation (Spirit Level) 1164.3
 Quadrangle Centerpoint ~~NE~~ NW
 County Tyler District McElroy
 Engineer A.L. Marshall
 Engineer's Registration No. 2492 Surveyor
 File No. _____ Drawing No. _____
 Date July 6, 1962 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. JYL-348

+ 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 18

Quadrangle Centerpoint

Permit No. Tyler - 348

WELL RECORD

Oil or Gas Well Gas

Company Quaker State Oil Refining Corp.
Address Box 1327, Parkersburg, W.Va.
Farm Thomas McCormick Acres 125 1/2
Location (waters) _____
Well No. Eight (8) Elev. 1164.3
District McElroy County Tyler
The surface of tract is owned in fee by _____
Paul McCutcheon Address West Union, W.Va.
Mineral rights are owned by Thomas McCormick Heirs
Address Middlebourne, W.Va.
Drilling commenced: Sept. 17, 1962
Drilling completed April 19, 1963
Date Shot None From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 25M - Keener 150M - Gordon Cu. Ft.
Rock Pressure 75# - Keener 440# - Gordon hrs.
Oil Show in Big Injun _____ bbls., 1st 24 hrs.
WELL ACIDIZED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>2</u>
16			<u>Anchor Packers</u>
13			Size of _____
10	<u>304</u>	<u>304</u>	<u>3" x 5"</u>
8 1/4	<u>1376</u>	<u>1376</u>	Depth set <u>2280</u>
6 5/8 <u>7"-17#</u>	<u>1816</u>	<u>1816</u>	<u>2960</u>
5 3/16 <u>-14#</u>	<u>2141</u>	<u>2141</u>	Perf. top <u>2960</u>
3 <u>9.2#</u>		<u>3038</u>	Perf. bottom <u>3008</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

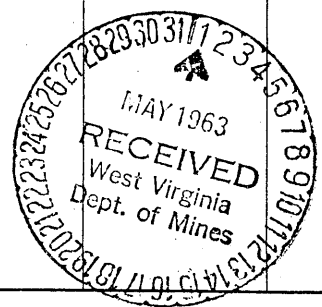
WELL FRACTURED No

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water 1772 - 1785 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			11	37			
Slate			37	43			
Clay			43	98			
Sand			98	103			
Clay			103	203			
Slate and Shells			203	230			
Shale			230	253			
Red Rock			253	264			
Shale			264	272			
Lime			272	280			
Shale & Lime			280	299			
Shale			299	303			
Lime			303	309			
Slate			309	319			
Red Rock			319	341			
Shale			341	347			
Red Rock			347	355			
Shale			355	369			
Lime			369	413			
Slate			413	508			
Lime, Hard			508	518			
Slate & shells			518	530			
Red rock			530	555			
Shale			555	573			
Lime			573	579			
Shale			579	605			
Red Rock			605	628			
Slate			628	662			
Coal			662	663			
Shale & Shells			663	675			



Formation	Color	Hard or Soft	Top 18	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			675	706			
Red Rock			706	722			
Shale			722	751			
Lime, hard			751	808			
Shale			808	820			
Lime			820	884			
Shale			884	913			
Lime			913	931			
Slate			931	957			
Slate & Hard Lime Shells			957	970			
Sand			970	1021			
Shale			1021	1091			
Lime			1091	1140			
Red rock			1140	1160			
Lime			1160	1180			
Sand			1180	1206			
Slate			1206	1294			
Sand, hard			1294	1329			
Slate, black			1329	1372			
Sand			1372	1376			
Shale			1376	1401			
Lime & shale			1401	1421			
Sand			1421	1494			
Shale			1494	1530			
Sand			1530	1604			
Slate			1604	1700			
Sand Sand			1700	1772			
Lime			1772	1785			
Shale			1785	1791			
Slate, black			1791	1820			
Lime			1820	1833			
Shale			1833	1895			
Sand			1895	1939			
Shale & sand			1939	1952			
Shale			1952	1970			
Shale & shells			1970	2014			
Shale "red"			2014	2030			
Lime & shale			2030	2039			
Lime & red shale			2039	2071			
Lime, hard			2071	2076			
Slate			2076	2104			
Lime			2104	2132			
Pencil cave			2132	2133			
Big Lime			2133	2202			
Sand, Injun			2202	2404			
Slate			2404	2475			
Lime			2475	2515			
Slate & shells			2515	2690			
Sand			2690	2750			
Shale			2750	2965			
Sand and Shale, gordon			2965	3014			
Shale			3014	3038	Total depth	3038	

Date April 30, 1963

APPROVED Quaker State Oil Refining Corp., Owner

By Walter H. Wray
(Title)