

MINIMUM ERROR OF CLOSURE 1 in 200

SOURCE OF ELEVATION USGS BM No. Q 138 on stone above mouth of Seese Run on North Side of Road Elev. 777.0

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."

Company Quaker State Oil Refg Corp.
 Address P.O. Box 1327 Parkersburg, W. Va.
State of W. Va. Surface
 Farm John Mills Hrs. Mineral
 Tract _____ Acres 5200 Lease No. _____
 Well (Farm) No. 150 Serial No. _____
 Elevation (Spirit Level) 1138.8
 Quadrangle Littleton SC
 County Wetzel District Grant
 Engineer H A Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Nov. 22, 1965 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. Wet-569

+ 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.

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 21

*Miss Phillips
for Paul King
3-31-66
WR*

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Littleton
Permit No. WET-569

WELL RECORD

Oil or Gas Well DRY
(KIND)

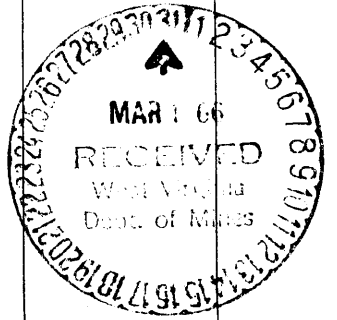
Company Quaker State Oil Refining Corporation
Address P. O. Box 1327, Parkersburg, W. Va.
Farm John Mills Acres 5200
Location (waters) Buffalo Run
Well No. 150 Elev. 1138.8
District Grant County Wetzel
The surface of tract is owned in fee by --
Address --
Mineral rights are owned by Mills-Wetzel Lands
Address Chicago, Illinois
Drilling commenced 1-14-66
Drilling completed 3-22-66
Date Shot From To
With --
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 15,000 cf Cu. Ft.
Rock Pressure lbs. hrs.
Oil 1 bbl. 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			
13			
10	550'		Size of
8 1/4	1290		Depth set
6 3/4	2165		
5 3/16			
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			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 436 FEET show INCHES
892 FEET show INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water 122 Feet Salt Water 1848 Feet 1985
Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	16			
Rock			16	24			
Shale			24	73			
R. Rock			73	81			
Slate			81	88			
R. Rock			88	96			
Shale			96	112			
Lime			112	122			
Shale			122	126	Water @ 122		
Lime			126	137			
Sand			137	148			
R. Rock & shale			148	162			
Lime			162	170			
Shale			170	180			
R. Rock			180	192			
Dark slate			192	200			
R. Rock			200	212			
Shale			212	224			
R. Rock			224	240			
Lime			240	248			
Shale			248	260			
R. Rock			260	271			
Shale			271	298			
R. Rock			298	310			
Shale			310	321			
Lime			321	332			
Shale			332	348			
R. Rock			348	355			
Lime			355	368			
Shale & R. Rock			368	383			



Formation	Color	Hard or Soft	Top 2/	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			383	411			
Red rock			411	418			
Lime			418	430			
Shale			430	436			
Shale			436	450	Show of coal @ 436		
Lime			450	470			
Shale & shells			470	530			
R. Rock			530	537			
Shale			537	548			
Sand			548	555			
Shale & shells			555	580			
Lime			580	604			
Shale			604	609			
Lime			609	617			
Red rock			617	628			
Shale			628	645			
Sand			645	655			
Shale			655	660			
Lime			660	708			
Shale			708	712			
Lime			712	721			
Shale & shells			721	731			
Sand			731	750			
Shale			750	772			
Lime			772	780			
Shale			780	799			
Lime			799	816			
Shale			816	824			
Lime			824	837			
Shale			837	894			
Lime			894	920			
Shale			920	976			
Lime			976	982			
Red rock			982	988			
Shale			988	1011			
Sand			1011	1030			
Shale			1030	1055			
Sand (S.C.R.)			1055	1095	Smell of oil top of sand		
Shale			1095	1115			
Lime			1115	1132			
Shale			1132	1150			
R. Rock			1150	1173			
Shale & shells			1173	1225			
Red rock			1225	1235			
Lime			1235	1250			
Shale & shells			1250	1285			
Lime			1285	1295			
Shale			1295	1327			
Sand			1327	1345			
Shale (black)			1345	1406			
Lime			1406	1420			
Shale			1420	1438			
Lime			1438	1449			
Shale			1449	1472			
Sand			1472	1490			
Shale			1490	1512			
Sand			1512	1558			
Shale			1558	1563			
Sand			1563	1606			
Shale			1606	1627			
Sand			1627	1671			
Sandy shale			1671	1693			
Sand			1693	1720			
Black shale			1720	1735			
Sand			1735	1782			
Shale			1782	1808			
Sand			1808	1820			

Continued on Page No. 2

Date March 30, 19 66

APPROVED QUAKER STATE OIL REFINING CORPORATION, Owner

By Thomas H. Richard
(Title) Engineer

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Littleton

Permit No. WET-569

WELL RECORD

Oil or Gas Well DRY
(KIND)

Company	Quaker State Oil Refining Corporation			Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	P. O. Box 1327, Parkersburg, W. Va.			Size			Kind of Packer
Farm	John Mills	Acres	5200	16			Size of
Location (waters)	Buffalo Run			13			Depth set
Well No.	150	Elev.	1138.8	10			Perf. top
District	Grant	County	Wetzel	8 1/4			Perf. bottom
The surface of tract is owned in fee by	Address			6 3/8			Perf. top
Mineral rights are owned by	Address			5 3/16			Perf. bottom
Drilling commenced				4 1/2			
Drilling completed				3			
Date Shot	From	To		2			
With				Liners Used			

Open Flow /10ths Water in Inch Attach copy of cementing record. 1

Volume Cu. Ft. CASING CEMENTED SIZE No. Ft. Date

Rock Pressure lbs. hrs. Amount of cement used (bags)

Oil bbls., 1st 24 hrs. Name of Service Co.

WELL ACIDIZED (DETAILS) FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) FEET INCHES FEET INCHES

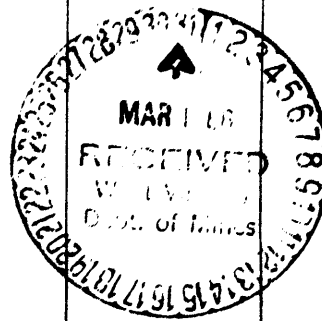
RESULT AFTER TREATMENT (Initial open Flow or bbls.)

ROCK PRESSURE AFTER TREATMENT HOURS

Fresh Water Feet Salt Water Feet

Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Continued from Page No. 1							
Shale			1820	1826			
Sand			1826	1857	Water 1848		
Shale (black)			1857	1864			
Sand			1864	1920			
Shale			1920	1945			
Sand			1945	1993			
Shale (sandy)			1993	2065			
Lime			2065	2076			
Shale & shells			2076	2119			
Red rock			2119	2124			
Shale			2124	2134			
Lime			2134	2145			
Shale			2145	2161			
Lime			2161	2205			
Shale			2205	2210			
Lime			2210	2231			
Sand			2231	2255			
Shale			2255	2258			
Sandy lime			2258	2272			
Sand			2272	2438			
Shale			2438	2526			
Lime			2526	2538			
Shale & shells			2538	2571			
Lime			2571	2584			
Shale			2584	2595			
Lime			2595	2611			
Shale (sandy)			2611	2619			
Lime			2619	2645			
Sandy shale			2645	2725			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale & shells			2725	2776			
Lime			2776	2785			
Shale			2785	2790			
Lime			2790	2811			
Shale & shells			2811	2860			
Red rock			2860	2878			
Shale & shells			2878	2945			
Lime			2945	2954			
Shale			2954	2987			
Sand Gordon Stray			2987	2988			
Shale			2988	2998			
Sand Gordon			2998	3035			
Shale			3035	3099			
				3099	TOTAL DEPTH		

Date March 30, 1966

APPROVED _____, Owner
 By Thomas H. Richard
 (Title) Engineer