

MINIMUM ERROR OF CLOSURE 1' in 200

SOURCE OF ELEVATION USGS BM No 63ER on wing wall of Bridge over Red Lick Run @ east end of New Milton Elev. 830.

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.
 Farm Gay Bland Surface Blanche Pearcy Minerals
 Tract 5 Acres 122 Lease No. _____
 Well (Farm) No. OS 1 Serial No. _____
 Elevation (Spirit Level) 1078.9
 Quadrangle Vadis - NW
 County Doddridge District New Milton
 Engineer H. F. [Signature]
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Aug 9, 1966 Scale 1" = 660' 40 P

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

WELL LOCATION MAP
 FILE NO. DoD-1401

+ 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.

6-0 X44



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle VADIS

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Permit No. DOD-1401

Company Quaker State Oil Refining Corporation
Address P. O. Box 1327, Parkersburg, W. Va.
Farm Blanche Percy Acres 122
Location (waters) Meathouse Fork
Well No. 1 (Q.S.) Elev. 1078.9
District New Milton County Doddridge
The surface of tract is owned in fee by ---
Address ---
Mineral rights are owned by Blanche Percy, et als
Address West Union, W. Va.
Drilling commenced 8-31-66
Drilling completed 9-28-66
Date Shot --- From --- To ---
With ---

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	17'	17	
13			Size of
10	430		
8 1/4	1192	1192	Depth set
6 5/8			
5 3/16			Perf. top
4 1/2	2285	2285	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Open Flow --- /10ths Water in --- Inch
--- /10ths Merc. in --- Inch
Volume 6,000 Cu. Ft.
Rock Pressure --- lbs. --- hrs.
Oil 2 1/2 bopd bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 2285 No. F9-30-66 Date
Amount of cement used (bags) 95 cf 18% salt pozmix
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 740 FEET 60 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

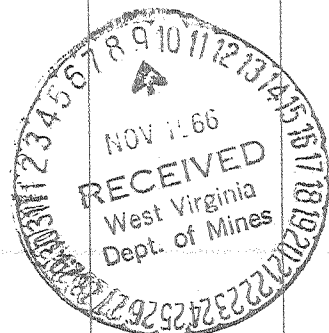
WELL FRACTURED (DETAILS) 10-5-66 by HOWCO used 38,000 gal. water, 20,000# 20-40 sand, 500 gal. NEA, 250# WAC & 13 gal. Morflo

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 20 bopd and 80,000 cf

ROCK PRESSURE AFTER TREATMENT 550 HOURS 72

Fresh Water --- Feet --- Salt Water --- Feet ---
Producing Sand Injun Depth ---

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			Surface	10			
Sand			10	45			
Red rock			45	75			
Slate & shale			75	95			
Red rock			95	115			
Slate & shale			115	145			
Sand			145	175			
Slate & shale			175	215			
Red rock			215	230			
Sand			230	240			
Red rock			240	380			
Sand			380	395			
Red rock			395	420			
Slate & shale			420	433			
Red rock			433	475			
Sand			475	490			
Slate & shale			490	510			
Red lime			510	555			
Sand			555	615			
Slate & shale			615	630			
Lime			660	700			
Slate & shale			700	740			
Coal			740	745			
Slate & shale			745	810			
Lime			810	830			
Red rock			830	860			
Sand			860	890			
Red rock			890	930			
Slate & shale			930	945			
Red rock			945	950			



Formation	Color	Hard or Soft	Top 4'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			950	1015			
Slate & shale			1015	1080			
Sed rock			1080	1120			
Slate & shale			1120	1185			
Big Dunkard			1185	1220			
Slate & shale			1220	1260			
Sand			1260	1305	Show of oil	1290 - 1300	
Slate & shale			1305	1355			
Sand			1355	1395	Show of oil	1380 - 1390	
Slate & shale			1395	1420			
Lime			1420	1445			
Slate & shale			1445	1475			
Sand			1475	1500			
Slate & shale			1500	1535			
Gas sand			1535	1628	Show of oil	1590 - 1600	
Slate			1628	1675			
1st Salt Sand			1675	1725			
Slate & sand			1725	1745			
Slate			1745	1800			
2nd Salt Sand			1800	1875			
Slate & shells			1875	1930			
Sand			1930	1935			
Slate & shale			1935	1985			
Lime (3rd Salt Sand)			1985	2005			
Slate & shale			2005	2025			
Sand			2025	2040			
Lime			2040	2063			
Sand (Blue Monday)			2063	2101	Show of oil	2065 - 2075	
Big Lime			2101	2138			
Big Injun			2138	2240			
Slate & shells			2240	2285	Gas & oil (40 mcf & 1 bopd)	2153-2167	
TOTAL DEPTH				2285			

LOGGED BY SCHLUMBERGER 9-29-66

G R
Neutron
Density
Induction

PERFORATIONS

{ 2201 - 04 4 holes
2157 - 62 6 holes

Date November 7, 1966

APPROVED Quaker State Oil Refining Corporation Owner

By Thomas W. Richards
(Title) Engineer