

Revised Location
TYL-373

Minimum Error of Closure 110.800

Source of Elevation CONCRETE FLOOR OF TYLER PERMIT

No 4467 B.M. 1243.91

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: *[Signature]*
Squares: N S E W

Map No.

Abandoned 5/31/74

Company SHAKER STATE OIL & GAS CORP.
 Address Box 1287 Parkersburg, W. Va. 26201
 Farm CH & J.S. TENNANT
 Tract _____ Acres 176 Lease No. _____
 Well (Farm) No. 1-206 Serial No. _____
 Elevation (Spirit Level) 1156.40
 Quadrangle CENTERPOINT NW
 County TYLER District MCELDON
 Engineer *[Signature]*
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Apr. 26, 1969 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. TYL-373-P

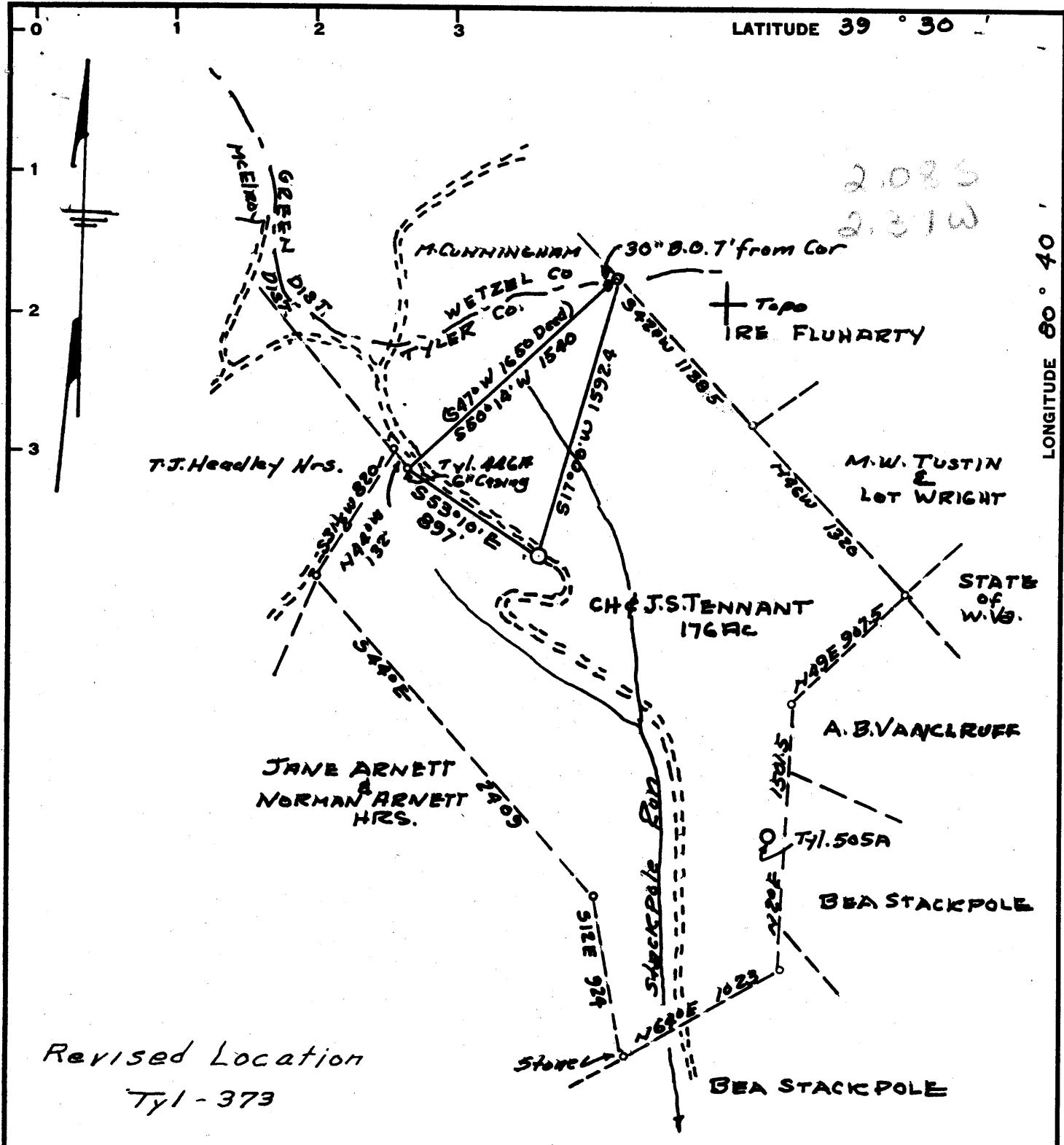
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-095

LATITUDE 39 ° 30'

LONGITUDE 80 ° 40'



Revised Location
Ty1-373

Minimum Error of Closure 1 in 200
 Source of Elevation CONCRETE FLOOR OF TYLER PERMIT
No 4467 Elev. 1245.91

- Fracture.....
- 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.

Signed: *[Signature]*
 Squares: N S E W

Map No.

Company QUAKER STATE OIL & REFG. CORP.
 Address Box 1327 PARKERSBURG, W. VA.
 Farm CH & J.S. TENNANT
 Tract _____ Acres 176 Lease No. _____
 Well (Farm) No. L-286 Serial No. _____
 Elevation (Spirit Level) 1156.40
 Quadrangle CENTERPOINT - NW
 County TYLER District MCELROY
 Engineer *[Signature]*
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Aug. 21, 1964 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. TY1-373

+ 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.

6-87 96



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 20

Quadrangle Center Point

Permit No. Tyl-373

WELL RECORD

Oil or Gas Well Oil & Gas
(KIND)

Company Quaker State Oil Refining Corp.
Address Box 1327, Parkersburg, W.Va.
Farm C.H. & H. S. Tennant Acres 176

Location (waters) _____
Well No. 1-286 Elev. 1156.40

District McElroy County Tyler
The surface of tract is owned in fee by C.H. & J.S. Tennant Heirs
Address Middlebourne, W.Va.

Mineral rights are owned by E.B. Kiser & Mrs. C.H. Decker
Address Parkersburg, W.Va.

Drilling commenced 9-1-64
Drilling completed 10-27-64

Date Shot _____ From _____ To _____
With 7452

Open Flow 50 /10ths Water in 1" Orifice Inch
/10ths Merc. in _____ Inch

Volume _____ Cu. Ft.
Rock Pressure 225 Psig lbs. 72 hrs.

Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED _____

WELL FRACTURED Dowell - 11/12/64 - 829 bbls. water - 15,000# Sand

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
<u>Cond.</u>	<u>16'</u>	<u>16'</u>	
13			Size of
10	<u>640</u>		
8 1/2	<u>1436</u>		Depth set
6 5/8	<u>7" 2142</u>	<u>2142</u>	
5 3/16	<u>4 1/2" 3041</u>	<u>3041</u>	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE 4"OD No. Ft. 3041' Date 40 sacks cement - Dowell - 11/6/64

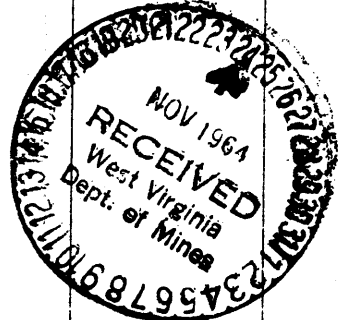
COAL WAS ENCOUNTERED AT 437 FEET Show INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water 1730 - 1740 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	16			
Stone & Shale			16	45			
Red Rock			45	60			
Shale & Lime Shells			60	105			
Red Rock			105	158			
Shale			158	168			
Red Rock			168	180			
Shale			180	188			
Red Rock			188	205			
Shale			205	245			
Red Rock			245	260			
Shale & Shells			260	283			
Sand			283	320			
Shale			320	338			
Sand			338	398			
Shale			398	411			
Lime			411	416			
Shale & Shells			416	430			
Dark Shale			430	442			
Lime			442	449			
Shale			449	466			
Red Rock			466	469			
Shale			469	495			
Lime			495	505			
Dark Shale			505	520			
Red Rock			520	523			
Shale			523	535			
Red Rock			535	540			
Shale			540	565			



Show of Coal 437'

Formation	Color	Hard or Soft	Top 20	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			565	572			
Shale & Lime			572	586			
Sand			586	599			
Shale			599	602			
Lime			602	612			
Red Rock			612	630			
Shale			630	647			
Lime			647	652			
Shale			652	673			
Lime			673	685			
Blue Shale			685	692			
Hard Lime			692	712			
Red Rock			712	720			
Sandy Shale			720	730			
Red Rock			730	748			
Lime			748	830			
Shale & Sandy Shells			830	845			
Lime Shell			845	850			
Shale			850	868			
Sand			868	876			
Shale Shells			876	897			
Hard Lime			897	905			
Pgh Coal			905	910			
Hard Lime			910	935			
Shale			935	958			
Sand			958	1000			
Lime			1000	1020			
Red Rock			1020	1033			
Shale			1033	1046			
Sand			1046	1054			
Lime			1054	1070			
Shale & Shells			1070	1083			
Red Rock			1083	1100			
Shale & Sand Shells			1100	1135			
Red Rock			1135	1138			
Shale			1138	1164			
Sand			1164	1198			
Black Shale			1198	1230			
Red Rock			1230	1244			
Shale & Red Rock			1244	1257			
Sand			1257	1264			
Sand & Shale			1264	1290			
Dark Shale			1290	1300			
Sand			1300	1335			
Shale Break			1335	1340			
Sand			1340	1370			
Sand & Shale			1370	1406			
Sand			1406	1437			
Shale			1437	1450			
Sand & Shale			1450	1495			
Sand			1495	1575			
Shale & Shells			1575	1585			
Sand			1585	1605			
Sandy Shale			1605	1623			
Sand			1623	1668			
Shale			1668	1678			
Sand			1678	1704			
Sandy Shale			1704	1720			
Sand			1720	1764			Hole full water - 1730' to 1740'
Shale			1764	1774			
Lime & Shale			1774	1889			
Sand			1889	1900			
Sandy Shale			1900	1920			
Sand			1920	1952			
Shale			1952	1965			
Lime			1965	1973			

Date November 23, 1964

APPROVED Quaker State Oil Refining Corp., Owner

By _____ (Title)

141-313

	Top	Bottom
Sandy Shale	1973	2014
Sand	2014	2025
Lime	2025	2035
Shale	2035	2043
Red Rock	2043	2054
Sandy Shale	2054	2062
Red Rock	2062	2076
Shale	2076	2085
Sandy Shale	2085	2112
Lime	2112	2118
Shale P.C.	2118	2124
Hard Sand Blue Hard	2124	2164
Hard Lime Bl	2164	2225
Sand (hard) BI	2225	2362
Sand (broken)	2362	2372
Shale	2372	2375
Sand (hard)	2375	2388
Shale, sandy	2388	2494
Shale and Sand shells	2494	2550
Sand and Shale	2550	2620
Sandy Shale	2620	2737
Gritty Lime	2737	2747
Sandy Shale	2747	2775
Dark Shale	2775	2783
Sandy Shale & Shells	2783	2848
Red Rock	2848	2852
Shale & Shells	2852	2863
Red Rock & Shale	2863	2875
Shale & Lime Shells	2875	2956
Sand	2956	2980
Shale	2980	2986
Sand Shell	2986	2988
Shale	2988	2996
Sand	2996	3005
Shale	3005	3009
Sand	3009	3017
Shale	3017	3042

2125
1156

969

Water

Gas 2958 to 2963
Gas 2975 to 2984

Total depth

Perforations:

- 10 - 2 1/8" Jets 3010 1/2 to 3014'
- 2 - 3 5/8" Jets 2976 to 2976 1/2
- 5 - 3 5/8" Jets 2996 to 2998'

