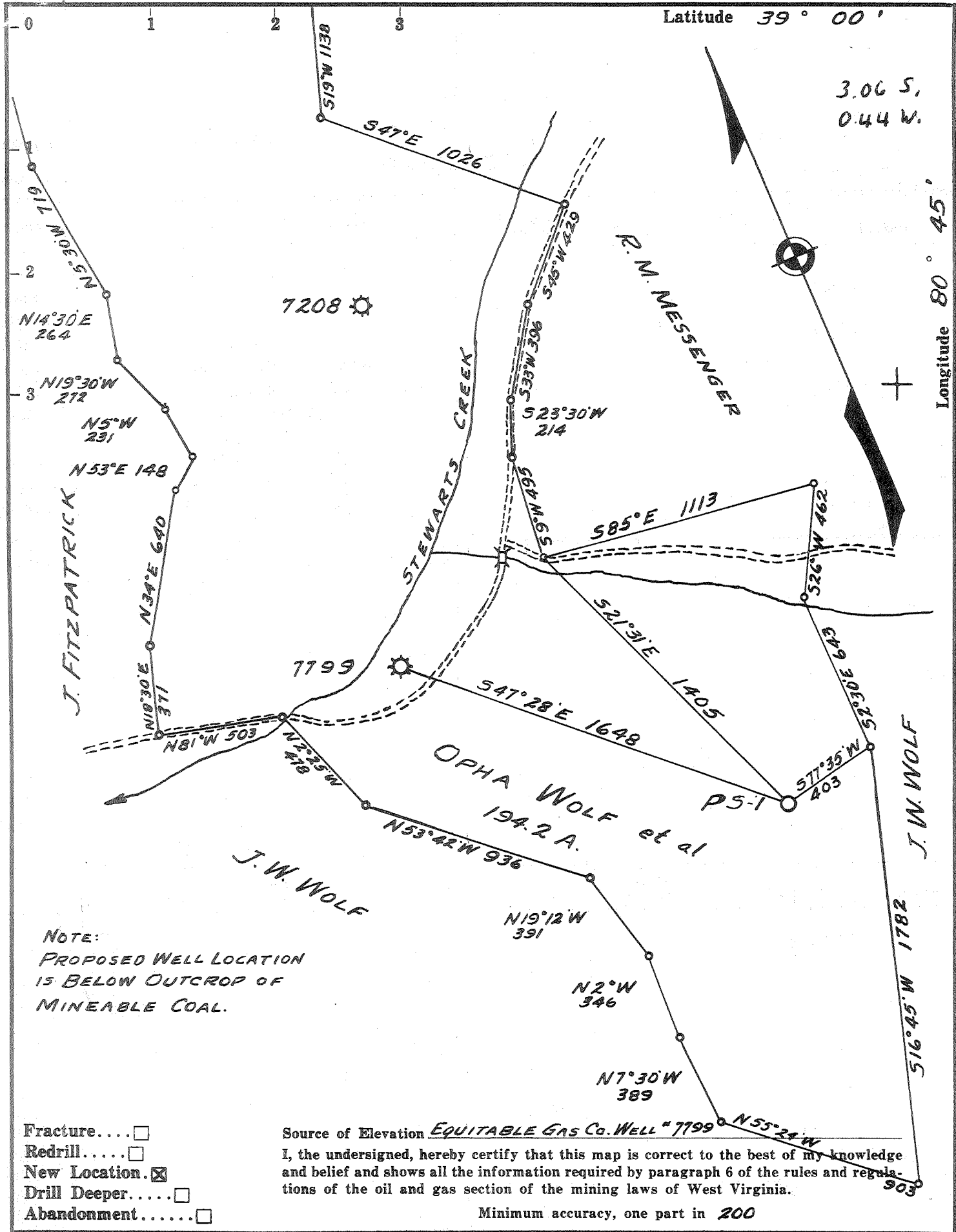


16-2323 WT.



NOTE:
 PROPOSED WELL LOCATION
 IS BELOW OUTCROP OF
 MINEABLE COAL.

- Fracture.....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation *EQUITABLE GAS CO. WELL # 7799*
 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.
 Minimum accuracy, one part in 200

Company PACIFIC STATES OIL & GAS, INC.
 Address P.O. Box 735, ENCINO, CALIF.
 Farm OPHA WOLF et al
 Tract Acres 194.2 Lease No. 14758
 Well (Farm) No. (3) Serial No. (PS-1)
 Elevation (Spirit Level) 983 V.A.
 Quadrangle GLENVILLE NE 24
 County GILMER District GLENVILLE
 Engineer James B. Tiller
 Engineer's Registration No. 2886
 File No. AGT. 6072 Drawing No. _____
 Date OCT. 2, 1965 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Gil-1798

+ 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.

60 277 182



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well Gas
(KIND)

Quadrangle Glenville, N. E.

Permit No. Gil 1798

WELL RECORD

Company Pacific States Gas & Oil, Inc
Address P.O. Box 735, Encino, California
Farm Opha Wolf et al Acres 194.2
Location (waters) Stewarts Creek
Well No. #3-PS-1 Elev. 983VA
District Glenville County Gilmer
The surface of tract is owned in fee by Boyd James
Baldwin Address West Virginia
Mineral rights are owned by See reverse page
Address

Drilling commenced November 30, 1965
Drilling completed December 19, 1965
Date Shot From To
With

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 169,000 Cu. Ft.
Rock Pressure N. T. lbs. hrs.
Oil bbls., 1st 24 hrs.

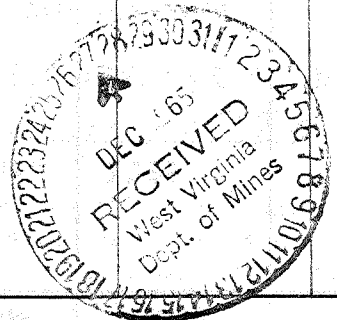
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) Frac-d December 22, 1965

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	22.9	22.9	
10 3/4	230.9	230.9	Size of
8 1/2 5/8	894	pulled	
6 1/2			Depth set
5 3/16			
4 1/2			
3			Perf. top 1864
2			Perf. bottom 1867
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 1334 No. Ft. 12/19/65 Date
Amount of cement used (bags) 50 sacks of H. E. Cement
Name of Service Co. Lawson O. & G. Cementing Co.
COAL WAS ENCOUNTERED AT NONE FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 6,300 MCF
ROCK PRESSURE AFTER TREATMENT 690 HOURS 2 hours
Fresh Water 4 bailors -hr Feet at 66 Salt Water Feet
Producing Sand Big Injun Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay & Rock			0	23			
Shale & Sand			23	30	water	66 feet	
R. R. & Shale			30	135			
R. R. & Lime			135	142			
Sand & Shale			142	156			
R. R. & Shells			156	182			
R. R. & Shale			182	225			
Shale			225	231			
R. R. & Shale			231	274			
Sand			274	332			
Shale			332	350			
Grittin Lime			350	367			
Shale			367	380			
R. R. & Shale			380	405			
Sandy Lime			405	438			
Shale			438	447			
Slate & Shells			447	488			
Sand			488	526			
Shale & Shells			526	591			
Slate & Sand			591	647			
Sand			647	749			
Slate			749	756			
Sand & Slate			756	766			
Sand			766	852			
Slate & Sand			852	869			
Sand			869	898			
Slate & Shells			898	945			
Sand			945	995			
Slate & Shells			995	1035			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand & Slate			1085	1145			
Slate	Black		1145	1130			
Sand			1180	1272	Gas-show	1235	
Slate & Sand			1272	1299			
Sand			1299	1310			
Sand & Slate			1310	1343			
Sand			1343	1393			
Slate & Shells			1393	1440			
R. R. & Slate			1440	1484			
Slate & Shells			1484	1516			
R. R. & Shale			1516	1557			
Slate & Shells			1557	1564			
Lime			1564	1592			Little
Slate & Lime			1592	1618			
Sandy Lime			1618	1694			Big
Sandy Lime			1694	1753			
Sand			1753	1770	Gas	1753-1770	Injun
Sandy Lime			1770	1777			
Sandy Slate			1777	1834			
			Total Depth: 1834				
Dec 19, 1965	Logs by Allegheny Nuclear Survey: G/n D/c Temp Perf						
Dec 19, 1965	Ran and cemented 1834 feet of 4 1/2, J55 Casing, using Float Shoe, and three centralizers. Hole circulated.						
	Materials used. 50 sacks of M. L. Cement 10 sacks of Gel 100# of Chloride						
December 22, 1965	Frac-d by Dowell Slickwater 39,900 gallons						
	Using: 1000 Gallons of Dowell A Service 2 gallons A 110 20 gallons Free flo 20 gallons of F-40 120# J100 300# of 312 glass beads 30,000# of 20/40 Sand 22,000# of 10/20 sand						
	Total Nitrogen used: 175,000						
	Avg. Inj. rate (lic) 31.3ldj. (sol) rate -- Avg Pressure 2300 Maximum Pressure 2600						
	SIP (In) 1300						
	Perforations: 1764 to 1767 12 jets						

erals: E. B. Young, Cox's Mills, Gilmer County, W. Va. Date December 21, 1965, 19

Carl E. Young, Adm. of Estate of John C. Young APPROVED FEDERAL STATES OIL & GAS CO., Owner

712 250 N
2 068 800 E
Glenwood 75

By *[Signature]* (Title) Manager

Wadsworth, Ohio