

Latitude 39° 15'

Longitude 80° 50'

MINIMUM ERROR OF CLOSURE 1/500
 SOURCE OF ELEVATION Well N° 2 - Felix Zinn Elev. 985

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 OIL STATES SALES COMPANY
 Address 4401 Central Ave. Pittsburgh, 13, Pa.
 Farm Earl Pierce
 Tract 3 Acres 46.104 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1059
 Quadrangle Holbrook NC
 County Ritchie District Union
 Engineer Parker & Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date Sept. 4, 1963 Scale 1" = 30 P.

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

WELL LOCATION MAP
 FILE NO. RIT-2806

+ 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 25

Rotary
Spudder
Cable Tools
Storage P

Quadrangle Helbrook

Permit No. RIT-2806

WELL RECORD

Oil or Gas Well Both
(KIND)

Company Oil States Sales Company
Address 4401 Centre Avenue, Pittsburgh, Pa. 15213
Farm Earl Pierce Acres 46.104
Location (waters) Bear Run
Well No. 1 Elev. 1059'
District Union County Ritchie
The surface of tract is owned in fee by Earl Pierce & Florence Pierce Address R.D.#1, Oxford, W. Va.
Mineral rights are owned by Same - See Above Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	415'	0	Size of
8	1173'	0	
4 1/2	2133'	2133'	Depth set
5 3/16			
3			Perf. top <u>2060'</u>
2			Perf. bottom <u>2070'</u>
Liners Used			Perf. top _____
			Perf. bottom _____

Drilling commenced September 23, 1963
Drilling completed October 17, 1963
Date Shot ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

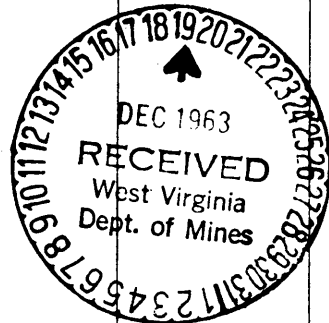
CASING CEMENTED 4 1/2 SIZE 2133' No. Ft. 10-18-63 Date
75 sks, cement- Go Electronic Surveys

COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL ACIDIZED _____
WELL FRACTURED Yes - 10-24-63 800 bbl water - 2500 Gal Acid - 26,000 lbs. Sand

RESULT AFTER TREATMENT 328 Mgf
ROCK PRESSURE AFTER TREATMENT 640#
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	15			
Sand			15	80			
Rock	Red		80	90			
Slate & Shells			90	110			
Sand			110	120			
Rock	Red		120	135			
Slate			135	145			
Slate	Black		145	160			
Slate & Shells			160	175			
Sand			175	210			
Slate & Shells			210	230			
Rock	Red		230	285			
Slate & Shells			285	410			
Sand			410	428			
Rock	Red		428	550			
Slate & Shells			550	580			
Rock	Red		580	595			
Slate			595	605			
Rock	Red		605	620			
Slate & Shells			620	750			
Rock	Red		750	890			
Slate			890	905			
Lime			905	955			
Slate			955	975			
Slate	Black		975	985			
Lime			985	1010			
Rock	Red		1010	1030			
Slate & Shells			1030	1075			
Slate	Black		1075	1100			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shells			1100	1185			
Sand			1185	1195	Oil	1180	
Slate & Shells			1195	1275			
Sand			1275	1290			
Slate & Shells			1290	1480			
Sand			1480	1550			
Slate			1550	1580			
Lime			1580	1595			
Slate	Black		1595	1605			
Sand			1605	1645			
Slate			1645	1720			
Sand			1720	1748			
Slate	Black		1748	1755			
Sand Broken			1755	1760			
Slate	Black		1760	1825			
Sand			1825	1840			
Slate	Black		1840	1913			
Sand			1913	1928			
Lime-Broken			1928	1956	Gas & Oil	1969-1977	
Slate			1956	1966	Gas	2057-2073	
Lime			1966	2036	Gas	2083-2092	
Sand			2036	2094			
Slate			2084	2144			
Total Depth	-2144'						

Date December 17, 19

APPROVED Oil States Sales Company

By *[Signature]*
Owner (Title)