

LEWIS MAXWELL

1-11-47-00908 1562 ac

- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION 996.48

Company Crane Service O/G

Address Box 873, CHARLESTON, W. Va

Farm LEWIS MAXWELL "B"

Tract _____ Acres 1562 Lease No. 1-11-47-00908

Well (Farm) No. B-26 Serial No. GW 1590

Elevation (Spirit Level) 996.48

Quadrangle West Union A-SE

County DODDRIDGE District West Union

Engineer Wendell S Moore

Engineer's Registration No. 2113

File No. _____ Drawing No. W-15-66

Date 23 Sept 66 Scale 1"=400'

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

WELL LOCATION MAP
FILE NO. DDD-1412

⊕ 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.

6-0 133



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union #7

Permit No. Dodd-1412

WELL RECORD I

Oil or Gas Well Dry hole
(KIND)

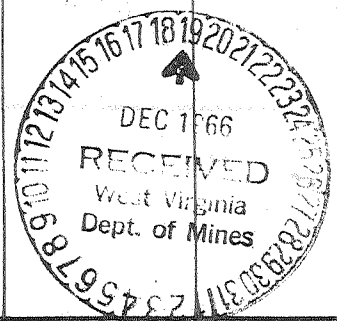
Company Cities Service Oil Company
Address Box 873, Charleston, W. Va. 25323
Farm Lewis Maxwell Acres 1562
Location (waters) _____
Well No. "B" #26, GW-1590 Elev. 996.48'
District West Union County Doddridge
The surface of tract is owned in fee by G. A. Pierce
Strand & Norton St. Address Oxford, Md
Mineral rights are owned by Mrs. Grace M. Gaylord, etal
410 Kemmerer Rd. Address State College, Pa
Drilling commenced 10-15-66
Drilling completed 11-12-66
Date Shot not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume show Cu. Ft. _____
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) not acidized
WELL FRACTURED (DETAILS) see reverse side

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8" 48#	29'	pulled	none
10 3/4" 32#	298'	pulled	Size of
8 1/4" 24#	1008'	pulled	Depth set
6"			
5 3/16"			
4 1/2" 9.5#	1962'	552'	
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. see reverse side
COAL WAS ENCOUNTERED AT 445 FEET 60 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 10 MCF (Big Injun)
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1842-1924' (per electric logs)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Red Rock			10	78			
Lime			78	130			
Red Rock			130	150			
Gritty Lime			150	181			
Slate			181	206			
Lime			206	230			
Red Rock			230	298			
Hard Sand			298	345			
Slate and Shells			345	355			
Hard Lime			355	395			
Slate and Shells			395	445			
Coal			445	450			
Lime			450	475			
Slate and Shells			475	575			
Red Rock			575	587			
Slate and Shells			587	603			
Red Rock			603	640			
Slate and Shells			640	692			
Lime			692	720			
Red Rock			720	750			
Slate and Shells			750	777			
Sand			777	787			
Slate			787	797			
Red Rock			797	854			
Slate			854	900			



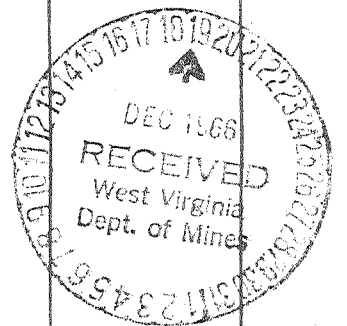
Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			900	950			
Slate and Shells			950	988			
Sand			988	1010			
Slate and Shells			1010	1100			
Lime			1100	1130			
Sand			1130	1190			
Slate and Shells			1190	1400			
Sand			1400	1430			
Slate			1430	1670			
Sand			1670	1697			
Slate			1697	1727			
Lime			1727	1749			
Pencil Cave			1740	1751			
Sand			1751	1760			
Slate Break			1760	1765			
Big Lime			1765	1840 (1842)			
Big Injun (see below)			1840	1908			
Slate			1908	1958			
Total depth-----				1958' Drillers' T.D. 1964' Schlumberger Meas. 1890'			
Plugged back total depth							
Completely plugged and abandoned			12-8-66				
Electric Logs show:							
Big Injun			1842	1924	Gas	1908'	show
CASING RECORD							
10-15-66	Set 13-3/8" 48# H-40 B-Grade casing at 29' - did not cement. Pulled.						
10-20-66	Set 10-3/4" 32.75# H-40 B-Grade casing at 298' - did not cement. Pulled later						
10-29-66	Set 8-5/8" 24# J-55 Grade B-casing at 1,008' - did not cement - pulled						
11-14-66	Set and cemented 4-1/2" 9.5# J-55 new casing at 1962' with 135 sacks regular cement with 2% Calcium Chloride and friction reducer. Pumped 100 bbls. mud and 35 bbls. of water ahead of cement. Hole circulated while cementing. Insert at 1955'. Centralizers at 1955', 1860' and 1797'. Pulled all but 552' when plug						
11-12-66	Ran Schlumberger Gamma Ray, Caliper, Density, Induction and Temperature Log						
11-16-66	Ran Gamma Ray Correlation Log, Collar Location Log and Cement Bond Log. Correlated logs and perforated Big Injun Sand 1898-1902', (1908-1912') and 1918-1922' with 4 shots/foot - total of 27 holes. Swabbed and bailed hole down. no show of gas.						
11-17-66	Fractured the Big Injun Sand						
	Pumped 500 gallons mud acid and 1,000 gallons regular 15% acid into Big Injun Sand at 1900# Followed with 34,000# 20-40 sand in 31,000 gallons of gelled water. Maximum treating pressure 3200#-average 2521#. Immed. S.I. pressure 1700#. AIR 34.4 bbls/min. Dropped 14 perf balls 1/2 way thru treatment and pressure increased from 2725# to 3200#. Dropped 6 perf balls 3/4 way thru treatment with no increase in pressure. Used 119,273 ft. of nitrogen or 150 ft. ³ /bbl Put radio active material in during treatment. 830 bbls. fluid used during treatment.						
	see additional information on attached sheet						

Date _____, 19__

APPROVED _____, Ow

By _____
(Title)

Formation	Color	Hard or Soft	Top /-A	Bottom	Oil, Gas or Water	Depth Found	Remarks
Additional information on Lewis Maxwell "B" #26							
Set cast iron plug at 1890' and shut off Big Injun Perforation 1898-1922'. Perforated upper section of Big Injun Sand 1854-1865' and 1868-1874' with 2 shots/foot for a total of 34 holes. Bailed hole dry - slight show of gas - not enough to measure.							
11-22-66 Fractured Big Injun 2nd time (Upper Section)							
Pumped 500 gallons mud acid and 1500 gallons regular 15% acid into Big Injun Sand. Broke down formation at 2800# and pressure broke to 250#, after displacing acid well on vacuum. Fractured with 40,000# 20-40 sand in 33,500 gallons of gelled water. Maximum treating pressure 3100#. Average treating pressure 2840#. Immed. Shut in pressure 1650#. AIR 33.8 bbls/min. Dropped 17 perf balls 1/2 way thru treatment and pressure increased from 2650# to 3100#. Dropped 7 perf balls 3/4 way thru treatment and pressure increased from 2950# to 3000#. Used 160,000 ft. of nitrogen during treatment. Put radio active material in during treatment. Used 925 bbls. of fluid during treatment.							
Gas gauging 10 MCFD after fracturing.							
Plugged and abandoned 12-8-66.							



Date December 16, 19 66

APPROVED Cities Service Oil Company, Own

By L. D. Todd, Dist. Supt'
(Title)