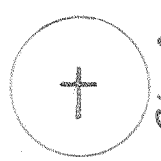


1.76-S
~~1.78-S~~
~~0.58-W~~
 0.56-W



CERTIFICATE

- NEW LOCATION
- RECONDITION
- 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."

Minimum degree of accuracy is one part in 200

Signed William A. Smith L.L.S. #116

NB 110 Pg. 58-63

COMPANY	CARL E. SMITH, INC.		
ADDRESS	P.O. BOX 4 SANDYVILLE, W. VA. 25275		
FARM	GLADYS MAHAN ETAL		
MAP	OV. 28	ACRES	252.5 UNIT
		LEASE NO.	2567
WELL (FARM) NO.	1	SERIAL NO.	913.21
ELEVATION (SPIRIT LEVEL)	913.21		
QUADRANGLE	RAVENSWOOD	EC	
COUNTY	JACKSON	DISTRICT	RAVENSWOOD
POINT OF PROVEN ELEVATION	USCG DATA - ROAD INTERSECTION SHOWN ABOVE ELEV. 634		
FILE NO.		DRAWING NO.	
DATE	JUNE 11, 1971	SCALE	1" = 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Jac-1290

+ 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

6-6 D Ripley N. (311) Deep Well (Newburg) JUN 22 1971

39-00
6-15



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage O. NONE

Quadrangle Ravenswood

Permit No. JAC-1290

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Carl E. Smith, Inc.
Address Sandyville, W. Va.
Farm Gladys Mahan, et al Acres 252.5 Unit Size
Location (waters) Crooked Fork
Well No. 1 Elev. 913.21
District Ravenwood/Union County Jackson
The surface of tract is owned in fee by Gladys Mahan
Address Rt 1, Ripley, Wva
Mineral rights are owned by Gladys Mahan
Address Rt 1, Ripley, Wva
Drilling commenced June 14, 1971
Drilling completed June 30, 1971
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 3,000 MCF Cu. Ft.
Rock Pressure 1370 lbs. 24 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) X
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 9,000 MCF
ROCK PRESSURE AFTER TREATMENT 1370 HOURS 24
Fresh Water 122 Feet Salt Water 1940 Feet
Producing Sand Newberg Depth 5516

Casing and Tubing	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13 3/8	150	150	
10			Size of
8 1/4	2512	2512	
6 5/8			Depth set
5 3/16	5490	5490	
4 1/2			
3			Perf. top
2 3/8	5530	5530	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record
CASING CEMENTED 8 5/8" 150' No. 6/15/71 100 bags
Amount of cement used 5 1/2" 5490' No. 6/23/71 480 bags
5 1/2" 5490' No. 6/27/71 135 bags
Name of Service Co.
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES
FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	151	Water	122	
Shale			151	991			
Shale/Sand			991	1180			
Shale			1180	1570			
Shale/Sand			1570	1945	Water	1940	
Lime - Big Lims ?		plus Injun ?	1945	2200			
Shale			2200	2285			
Shale/Lime			2285	2490			
BEREA			2490	2493			
Shale/Lime			2493	2990			
Shale			2990	4730			
ORISKANY			4730	4736			
Lime - HELDERBERG & SALINA			4736	5516			
NEWBERG			5516	5531	Gas		
Shale -			5531	5557			
				545			

RECORDED
JUL 27 1971