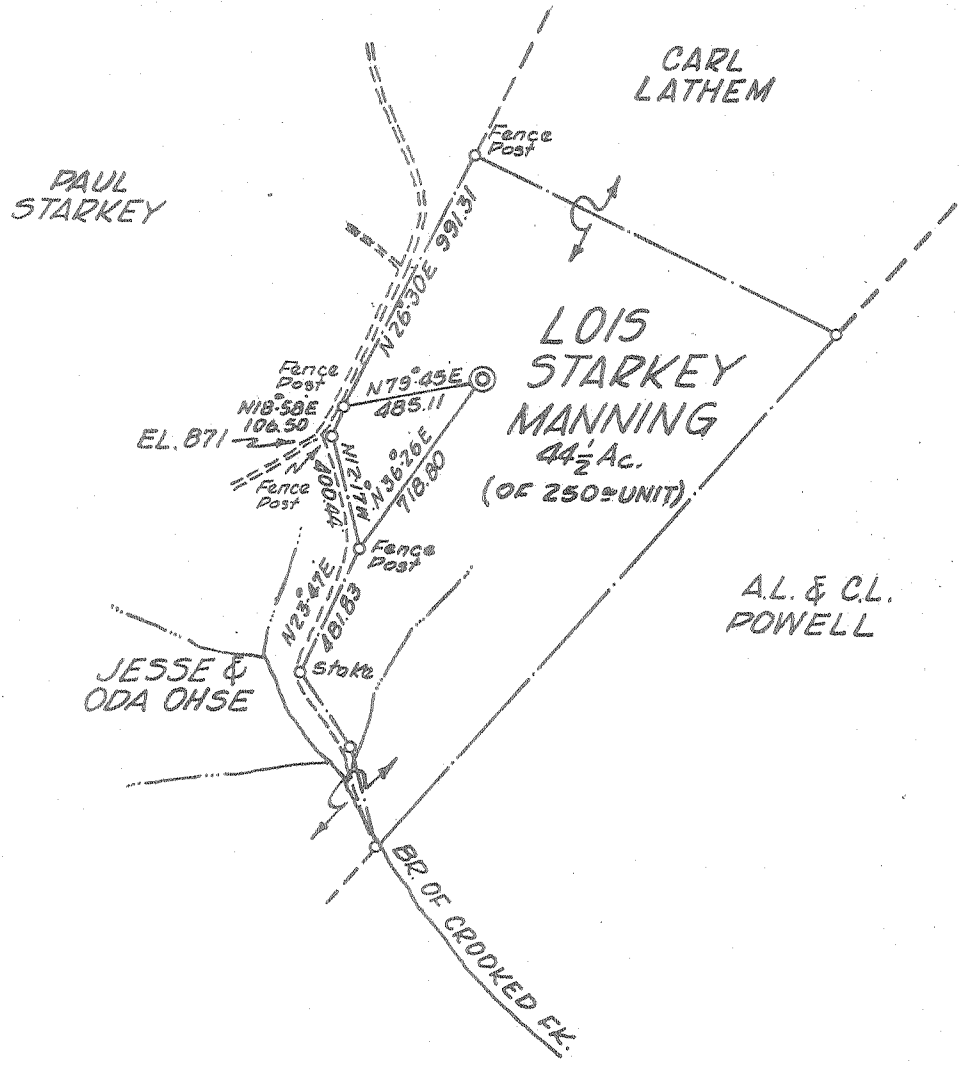


LATITUDE 38 ° 55'

1.2 0-5
0.40 W
0.38-W



LONGITUDE 81 ° 45'



CERTIFICATE

"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 S. Prosser* L.L.S. #116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	CARLE SMITH INC.
ADDRESS	SANDYVILLE, W. VA.
FARM	LOIS STARKEY MANNING
MAP	44 1/2 of 250 Ac UNIT
WELL (FARM) NO.	1
SERIAL NO.	834.10
ELEVATION (SPIRIT LEVEL)	
QUADRANGLE	RAVENSWOOD EC
COUNTY	JACKSON
DISTRICT	RAVENSWOOD
POINT OF PROVEN ELEVATION	USCG DATA ROAD INTERSECTION SHOWN ABOVE EL. 871.
FILE NO.	NOV. 2, 1970
DRAWING NO.	1" = 660'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. <i>Jac-1249</i>
+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62,500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BOLDEN LINES AS SHOWN
DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

6-6 Ripley 311

Deep Well (Newburg)

NOV 23 1970

39-00
6-5



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage E: NOIL

Tract No. Ravenswood
Permit No. JAC 1249

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Carl E. Smith, Inc.
Address Sandyville, West Virginia
Farm Lois Starkey Manning Acres 250
Location (waters) Cedar Run
Well No. 1 Elev. 834.10
District Ravenswood County Jackson
The surface of tract is owned in fee by
Lois Starkey Manning Address Ruchland, Washington
Mineral rights are owned by Lois Starkey Manning
Address

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	114	114	
10			Size of
8 1/4	2401	2401	
6 5/8			Depth set
5 3/16	5344	5344	
4 1/2			Perf. top
3			Perf. bottom
2	5348		Perf. top
Liners Used			Perf. bottom

Drilling commenced November 14, 1970
Drilling completed December 5, 1970
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 3 million Cu. Ft.
Rock Pressure 1950 lbs. 24 hrs.
Oil bbls., 1st 24 hrs.

Attach copy of cementing record. 13 3/8 114 11/16/70
8 1/4 2401 11/25/70
CASING CEMENTED SIZE No. Ft. Date
5 3/16 5328 12/1/70
Amount of cement used (bags)
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) X

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 9 million 9,000 MCFGPD 9,000,000
ROCK PRESSURE AFTER TREATMENT 1950 HOURS 24
Fresh Water X Feet 310 Salt Water X Feet 1940
Producing Sand Newburg Depth 5367

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	188			
Shale			188	1415	Water	310	
Shale & Sand			1415	1745			
Sand & Lime			1745	1860			
Shale & Sand			1860	1915			
Salt Sand			1915	1940	Water	1940	
Sand (Irish & Big Lime)			1940	2180			
Sand & Shale			2180	2373			
Berea			2373	2378			
Shale			2378	4580			
Lime - Huntersville - 463			4580	4670			
Oriskany			4670	4680			
Lime			4680	5295			
Sand & Shale			5295	5342			
Lime			5342	5367			
Newburg			5367	5371	Gas		
Shale & Sand McKenzie			5371	5396			

545

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