

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 A. Rowley* L.L.S. # 116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT - 6-12-74

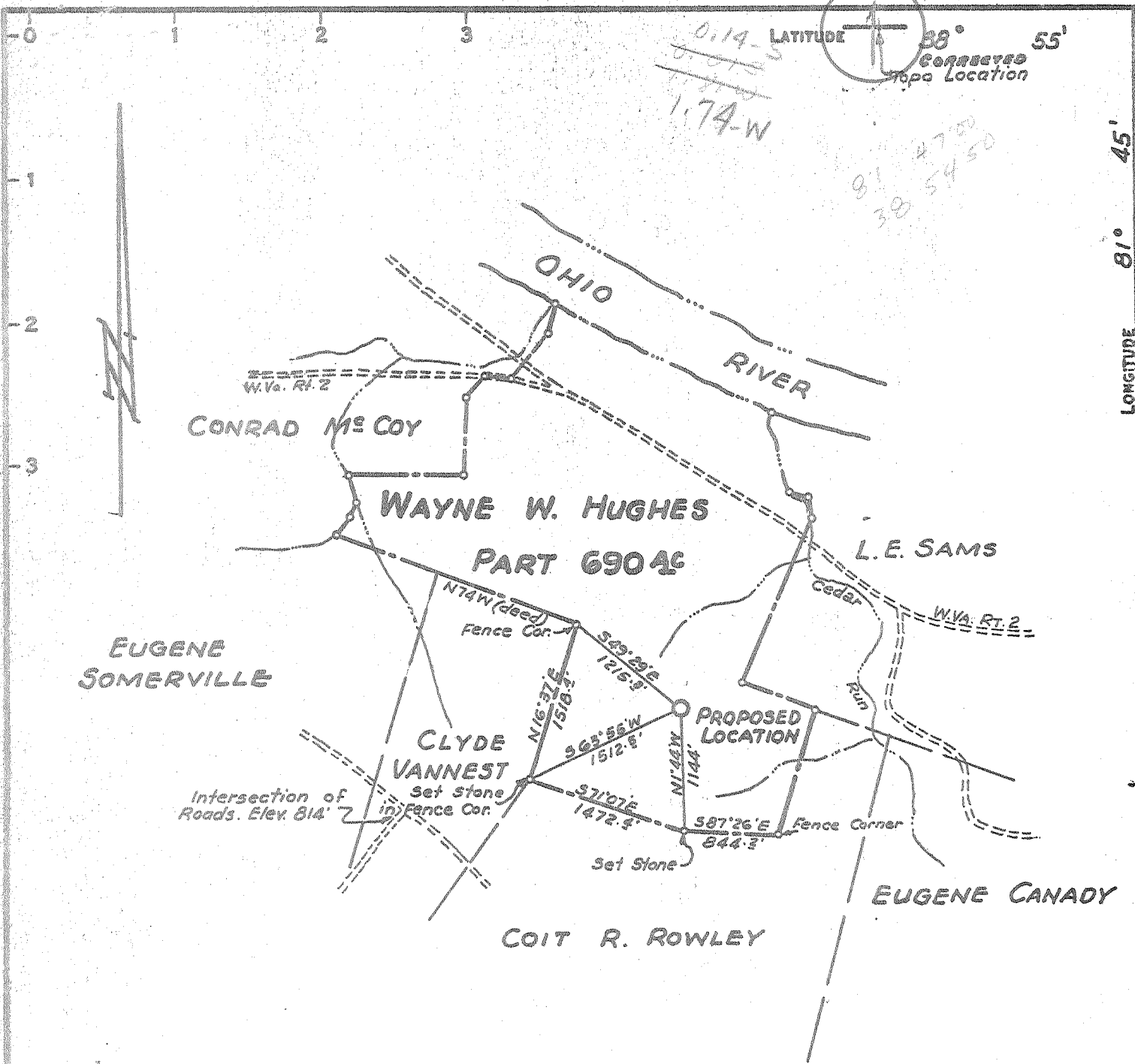
COMPANY CARL E. SMITH INCORPORATED
 ADDRESS P.O. BOX 4 SANDYVILLE, W. VA. 25275
 FARM WAYNE & MARY HUGHES ETAL
 MAP OV 28 ACRES 250 UNIT LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 760.8
 QUADRANGLE RAVENSWOOD NE EC
 COUNTY JACKSON DISTRICT UNION
 POINT OF PROVEN ELEVATION U.S.G.S. DATUM Point at
Intersection of roads shown above Elev. 814
 FILE NO. _____ DRAWING NO. _____
 DATE NOVEMBER 5, 1971 SCALE 1" = 1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. JAC-1317-P

+ 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.

Deep Well

JUL 1 1974



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 A. Rowley L.L.S. #116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	CARL E. SMITH INCORPORATED		
ADDRESS	P.O. BOX 4 SANDYVILLE, W. VA. 25275		
FARM	WAYNE & MARY HUGHES ETAL		
MAP	OV 28	ACRES	260 UNIT
WELL (FARM) NO.	1	SERIAL NO.	
ELEVATION (SPIRIT LEVEL)	760.6		
QUADRANGLE	RAVENSWOOD N.E. 10		
COUNTY	JACKSON	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. DATUM Point at Intersection of roads shown above Elev. 814		
FILE NO		DRAWING NO	
DATE	November 5, 1971		SCALE 1" = 1320'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. <u>JAC-1317</u>
+ 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.



RECEIVED

FEB 10 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OFFICE OF THE STATE GEOLOGIST
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Ravenswood N.E.

Permit No. 1317-Jac.

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Gas
(Kind)

Company <u>Carl E. Smith, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 4, Sandyville, W. Va.</u>	Size			
Farm <u>Wayne & Mary Hughes</u> Acres <u>260</u> Unit	20-16			
Location (waters) <u>Ohio River</u>	Cond.			
Well No. <u># 1</u> Elev. <u>760.5</u>	13-10" 3/8"	75'	75'	80 SKS
District <u>Union</u> County <u>Jackson</u>	9 5/8			
The surface of tract is owned in fee by <u>Wayne & Mary Hughes</u>	8 5/8	2221'	2221'	375 SKS
Address <u>Rt. 1, Box 82, Ravenswood, W. Va.</u>	7			
Mineral rights are owned by <u>Wayne & Mary Hughes</u>	5 1/2	5108'	5108'	185 SKS
Address <u>Rt. 1, Box 82, Ravenswood</u>	4 1/2			
Drilling Commenced <u>Nov. 8th 1971</u>	3			
Drilling Completed <u>Nov. 23 1971</u>	2 Tubing	5148'	5148'	
Initial open flow <u>1,000</u> M. cu. ft. _____ bbls.	Liners Used			
Final production <u>1,500</u> M. cu. ft. per day _____ bbls.				
Well open _____ hrs. before test <u>950</u> RP.				
Well treatment details: (See Below)	Attach copy of cementing record.			

1,500 mcf

CEMENTING RECORD

11-8-71	80 bags	13 3/8"	
11-12-71	375 bags	8 5/8"	Halliburton
11-19-71	185 bags	5 1/2"	Halliburton

Coal was encountered at _____ Feet _____ Inches

Fresh water None Feet _____ Salt Water _____ Feet _____

Producing Sand Newberg Depth 5128' FD.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	743		
Sand and shale			743	1278		
Sand			1278	1460		
Sand and shale			1460	1685		
Sand			1685	1720		
Lime			1720	1750		
Sand and shale			1750	1840		
Lime, Sand and shale			1840	1980		
Lime			1980	2075		
Shale			2075	2205		
Berea Sand			2205	2208		
Shale			2208	4367		
Big Lime } Onondaga, Held.,			4367	4535		
Lime } Salina			4535	5125		
(Sand) Newberg			5125	5128'		

5125
773
4352

535

Well Treatment
#28000 Sand
Acid-Water 358 BBL, Gal
Displ. BBL, 100
Total 458 BBL.
Total Fluid 600 BBL.

PI cards indicate TP @ 5155 hole cased to 5148' and Newberg log type 5122'

* Indicates Electric Log tops in the remarks section.