



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 Frank J. Barker # 289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY	CARL E. SMITH INC.		
ADDRESS	SANDYVILLE WEST VIRGINIA		
FARM	JAMES P. SHARP		
MAP	ACRES	LEASE NO.	
	134		
WELL (FARM) NO.	5	SERIAL NO.	
ELEVATION (SPIRIT LEVEL)	769.51		
QUADRANGLE	MARIETTA 15' C Willow Island		
COUNTY	WOOD	DISTRICT	UNION
POINT OF PROVEN ELEVATION	Road in 1st section El. 670		
FILE NO.	DRAWING NO.		
MAY 8 1980		1" = 500 FT.	
DATE		SCALE	

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. 107-1026

+ 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 Waverly (71)

Gordon 280 JUN 23 1980

TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Under ground storage ___ / Deep ___ / Shallow X /)
ON: Elevation: 769.51' Water bed: Carpenter Run
District: Union County: Wood Quadrangle: Marietta

OPERATOR: Carl E. Smith, Inc. DESIGNATED AGENT
Address: P.O. Box 4 Address: Same
Sandyville, WV 25275

WELLED WORK: Drill X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

PERMISSION ISSUED ON 5/14, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:

APPLICABLE: PLUGGING OF DRY HOLE ON-CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name: K. Paul Goodnight
Address: Smithville, WV

SIGNAL TARGET FORMATION: Gordon Depth 2450 feet

Depth of completed well, _____ feet Rotary X / Cable Tools _____

Water strata depth: Fresh, 198 feet; salt, 1300 feet.

Coal seam depths: _____ Is coal being mined in the area? NO

Work was commenced 5/26, 19 80, and completed 6/1, 1980

LOGGING AND TUBING PROGRAM

LOG TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Surface	8 5/8	K55	24#	X		306	306	120 SK	Kinds
Water									Sizes
Intermediate									
Production	4 1/2	K55	10.50#	X		2535	2535	215 Sk	Depths set
									Perforations:
									Top Bottom

RECEIVED

JUL 31 1980

LOG DATA

Producing formation: Gordon OIL & GAS DIVISION DEPT. OF MINES Zone depth 2444-2464 feet

Gas: Initial open flow, _____ Mcf/d Initial open flow, _____ Bbl/d

Final open flow, 500 Mcf/d Final open flow, 0 Bbl/d

Time of open flow between initial and final tests, 6 hours

Static rock pressure, 1050 psig (surface measurement) after 72 hours shut in

If applicable due to multiple completion--]

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, _____ hours

Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

AUG 11 1980

Perforations 2427 to 2449 24 Holes

Treated Nitrogen with Water Fracture

130,000 SCF Nitrogen
 80/100 Sand 200 sks
 20/40 Sand 450 sks
 820 BBL Fluid

LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of air, fresh and salt water, coal, oil and gas
Clay			0	19	
Shale			19	36	
Sand			36	38	
Shale			38	73	
Sand			73	100	
Shale			100	209	Water 198'
Sand			209	315	
Shale			315	461	
Sand			461	487	
Shale			487	571	
Sand			571	613	
Shale			613	1070	
Sand			1070	1088	
Shale			1088	1201	
Sand			1201	1249	
Shale			1249	1340	
Sand			1340	1385	
Sandy Shale			1385	1496	
Sand			1496	1773	
Sand & Shale			1773	1880	
Lime & Sand			1880	2090	
Berea			2090	2094	Show Gas
Shale			2094	2444	
Gordon			2444	2464	Show Gas
Shale			2464	2535	

(Attach separate sheets to complete as necessary)

CARL E. SMITH, INC.

Well Operator

By

Its Martin N. Holley - Mgr., Land Department

RE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologic record of all formations, including coal, encountered in the drilling of a well."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 205-5

API Well No. 47 - 107 - 1026
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 769.51 Watershed: CARPENTERS RUN
District: UNION County: WOOD Quadrangle: MARIETTA

WELL OPERATOR CARL E. SMITH, INC.
Address P.O. BOX 4
SANDYVILLE, WV 25275

DESIGNATED AGENT CARL E. SMITH, INC.
Address P.O. BOX 4
SANDYVILLE, WV 25275

OIL & GAS
ROYALTY OWNER JAMES P. SHARP
Address WAVERLY, WV

COAL OPERATOR NONE
Address _____

ACREAGE 134

PROPERTY OWNER SAME
Address _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name JAMES P. SHARP
Address WAVERLY, WV

ACREAGE _____

FIELD SALE (IF MADE) TO:
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
K. PAUL GOODNIGHT
Address SMITHVILLE, WV
PH: 477-3660

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____
RECEIVED
MAY 14 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated March 27, 19 80, to the undersigned well operator from QUAKER STATE OIL REFINING CORPORATION said deed, lease, or other contract has been recorded:]

Recorded on _____, 19____, in the office of the Clerk of the County Commission of WOOD County, West Virginia, in LEASE Book 718 at page 416. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any plan they wish to make or are required to make by Code § 2-2-2 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plan and declaration plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS PERMITTING COMMISSION
WASHINGTON STREET EAST
CHARLESTON, WV 25301
PHONE: (304) 344-3300

BLANKET BOND

CARL E. SMITH, INC.
Well Operator
By Lucretia Smith
VICE-PRESIDENT

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) CARL E. SMITH, INC. Address P.O. BOX 4 SANDYVILLE, WV 25275

GEOLOGICAL TARGET FORMATION, GORDON

Estimated depth of completed well, 2800 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 100 feet; salt, 1300 feet.

Approximate coal seam depths: NONE EXPECTED Is coal being mined in the area? Yes / No

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. No bond will be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and all provisions such as on the Form IV-2 filed in connection therewith.

in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-14-81.

Deputy Director - Oil & Gas Division

Following waiver must be completed by the coal operator and by any coal owner or lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

May 5, 1980

CARL E. SMITH, INC.

By [Signature] VICE-PRESIDENT