



39 20 20
J.P. SHARP 2310

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 Frank J. Barber US #289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY CARL E. SMITH INC.
 ADDRESS P.O. BOX 4, SANDYVILLE, WEST VIRGINIA
 FARM C.G. CORBITT HEIRS
 MAP _____ ACRES 101.79 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 621
 QUADRANGLE MARIETTA C
 COUNTY WOOD DISTRICT UNION
 POINT OF PROVEN ELEVATION Rd. Intersection EL. 616
 FILE NO. _____ DRAWING NO. _____
 DATE APRIL 28, 1980 SCALE 1"=500 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **107-1007**

+ 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

FORM IV-35
(Reverse)

Operator's
Well No. 203

WELL OPERATOR'S REPORT 44

API Well No. 47 - 107 - 1007
State County Permit

[08-78]

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 621 Watershed: Carpenters Run
District: Union County: Wood Quadrangle: Marietta

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

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

PERMIT ISSUED ON May 2, 1980 OIL & GAS INSPECTOR FOR THIS WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED
Name K. Paul Goodnight
Address Smithville, WV

LOGICAL TARGET FORMATION: Gordon Depth 2310 feet
Depth of completed well, 2400 feet Rotary / Cable Tools
Water strata depth: Fresh, 100 feet; salt, 1300 feet.
Coal seam depths: _____ Is coal being mined in the area?
Work was commenced May 5, 1980, and completed May 19, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	8 5/8	K55	24	X		301	301	115 Sk.	Minds
Flush water									
Intermediate									Sizes
Production	4 1/2	K55	10.50	X		2387	2387	215 Sk.	Depth set
Perforations									Perforations: Top Bottom

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2310 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 200 Mcf/d Final open flow, _____ Bbl/d
450MLK + 288L
Time of open flow between initial and final tests, 6 hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

[If applicable due to multiple completion--]

Second producing formation Berea Pay zone depth 1948 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 250 Mcf/d Final open flow, 2 Bbl/d
Time of open flow between initial and final tests, 6 hours
Static rock pressure, 640 psig (surface measurement) after 72 hours shut in

JUL 16 1980

TAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforation from 1942' to 1950 Shot 16 Holes
2303' to 2333 Shot 24 Holes

Gordon Treated 500 Gal. Hcl 15%
80/100 Sand 20,000 Lbs.
20/40 Sand 56,000 Lbs.
810 Bbls. Water

Berea Treated 80/100 Sand 200 Sk.
20/40 Sand 450 Sk.
580 Bbl. Water
130,000 Cu. Ft. N₂

WELL LOG

FORMATION	Color	Hard or Soft	^{1/4} Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	20	
Shale			20	35	
Sand			35	40	
Shale			40	71	
Sand			71	102	
Shale			102	210	
Sand			210	305	
Shale			305	463	
Sand			463	492	
Shale			492	584	
Sand			584	613	
Shale			613	1078	
Sand			1078	1090	
Shale			1090	1204	
Sand			1204	1260	
Shale			1260	1335	
Sand			1335	1387	
Sandy Shale			1387	1496	
Sand			1496	1523	
Sand & Shale			1523	1777	
Lime & Sand			1777	1942	
Berea			1942	1952	Show Gas Show Oil
Shale			1952	2305	
<u>Gordon</u>			2305	2328	Show Gas

(Attach separate sheets to complete as necessary.)

Carl E. Smith, Inc.

Well Operator

By

Ray W. Smith

Its

Vice-President

JUN 12 1960

OIL & GAS DIVISION
DEPT. OF MINES

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

Date: May 2, 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 203

API Well No. 47 - 107 - 1007
State County Permit

WELL TYPE: Oil / Gas

(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 621

Watershed: _____

District: UNION

County: WOOD

Quadrangle: MARIETTA 15'

WELL OPERATOR CARL E. SMITH, INC.

DESIGNATED AGENT CARL E. SMITH, INC.

Address P.O. BOX 5
SANDYVILLE, WV 25275

Address P.O. BOX 4
SANDYVILLE, WV 25275

OIL & GAS
ROYALTY OWNER C. G. CORBITT, HRS.

Address WAVERLY, WV

COAL OPERATOR _____

Address: _____

Acres 101.79

LEASE OWNER _____

Address SAME

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name C. G. CORBITT, HRS.

Address WAVERLY, WV

Acres 101.79

FIELD SALE (IF MADE) TO: _____

Name _____

Address _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

RECEIVED

MAY 2 1980

& GAS INSPECTOR TO BE NOTIFIED

K. PAUL GOODNIGHT

Address SMITHVILLE, WV

PHONE: 477-3660

**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 December 5, 1979. The undersigned well operator from C. G. CORBITT, HRS.

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 731 at page 543. 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.

WE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
WASHINGTON STREET EAST
CHARLESTON, WV 25301

PHONE: (304) 344-3100

CARL E. SMITH, INC.

Well Operator

BLANKET BOND

By [Signature]
Vice-President

[Signature]

PROPOSED WORK ORDER

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

DRIILLING 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

DRILLING AND TUBING PROGRAM

Table with columns: DRILLING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, 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.

A separate Form IV-2 shall not 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 is to be done under the Form IV-2 filed in connection therewith.

All provisions being 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 1-1-81

Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal 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 location, the well location has been added to the mine map. The undersigned has no objection to 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 2, 19 80

CARL E. SMITH, INC.

By [Signature] Its VICE-PRESIDENT