

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 # 789

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY CARL E. SMITH INC.
 ADDRESS SANDYVILLE, WEST VIRGINIA
 FARM ARLIE DRAKE
 MAP _____ ACRES 6.8 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 612.91
 QUADRANGLE MARIETTA
 COUNTY WOOD DISTRICT UNION
 POINT OF PROVEN ELEVATION Road Intersection Elev. 620
 FILE NO. _____ DRAWING NO. _____
 DATE MAY 8, 1980 SCALE 1" = 200 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
107-1035
 FILE NO. _____
 + 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.
1800 GORDON
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

6-6 WAVERLY

71 JUN 18 1980

RECEIVED



IV-35 (Rev 8-81)

JUN - 3 1982

Date May 27, 1982

OIL AND GAS DIVISION State of West Virginia
WV DEPARTMENT OF MINES
Department of Mines
Oil and Gas Division

Operator's Well No. 207-1
Farm Drake
API No. 47 - 107 - 1035

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 612.91 Watershed Bull Run
District: Union County Wood Quadrangle Marietta

COMPANY Carl E. Smith Petroleum, Inc.
ADDRESS P.O. Box 4, Sandyville, WV 25275-0004
DESIGNATED AGENT Carl E. Smith Petroleum, Inc.
ADDRESS P.O. Box 4, Sandyville, WV 25275-0004
SURFACE OWNER Arlie Drake
ADDRESS Waverly, WV
MINERAL RIGHTS OWNER Arlie Drake
ADDRESS Waverly, WV
OIL AND GAS INSPECTOR FOR THIS WORK K. Paul Goodnight ADDRESS Smithville, WV
PERMIT ISSUED May 15, 1980
DRILLING COMMENCED 7-3-80
DRILLING COMPLETED 7-12-80
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON N/A

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Gordon Depth 2298 feet
Depth of completed well 2442 feet Rotary X / Cable Tools
Water strata depth: Fresh 158 feet; Salt feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 2298-2319 feet
Gas: Initial open flow trace Mcf/d Oil: Initial open flow trace Bbl/d
Final open flow 70 Mcf/d Final open flow 5 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 910 psig (surface measurement) after 48 hours shut in (If applicable due to multiple completion--) N/A
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: 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

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

Perforated - 22 shots , 2278/2319ft.; water frac, sand prop, 200 sks, 80/100, 530 sks. 20/40 sand, WG-12, 450 lb., WAC-10, 450 lb., Clarta, Frac Flo, mixed 960 BBL water. Breakdown 1500, Maximum 3500, Average 2000.

WELL LOG Drake

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Cow Run			1065	1102	
Salt Sands			1196	1208	
Maxim			1424	1470	
Keener			1470	1482	
Big Injun			1486	1604	
Berea			1924	1930	
GOAD.			2278	2319	

(Attach separate sheets as necessary)

Carl E. Smith Petroleum, Incorporated

Well Operator

By:

Lucy D. Smith

Date:

May 31, 1982

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."

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 207-1
API Well No. 17-107-1035
State County Permit

TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow
Elevation: 612.91 Watershed: BULL RUN
District: UNION County: WOOD Quadrangle: MARIETTA

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

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

PROPERTY OWNER: ARLIE DRAKE
Address: WAVERLY, WV

COAL OPERATOR
Address:

ACREAGE: 6.8
COAL OWNER
Address: SAME

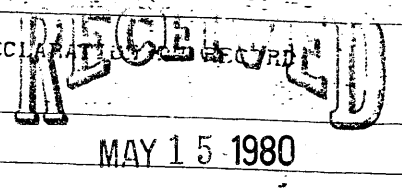
COAL OWNER(S) WITH DECLARATION ON RECORD:
Name: ARLIE DRAKE
Address: WAVERLY, WV

ACREAGE: 6.8
SALE (IF ANY) TO:
Address:

Name:
Address:

Address:

COAL LESSEE WITH DECLARATION ON RECORD:
Name:
Address: MAY 15 1980



OIL & GAS DIVISION
DEPT. OF MINES

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

The well named well operator is entitled to operate for oil or gas purposes at the above
under a deed / lease / other contract dated _____, 19____.
The well operator from H. D. WELL OIL & GAS CO.

and deed, lease, or other contract has been recorded:
and on _____, 19____, in the office of the Clerk of the County Commission of _____
West Virginia, in _____ Book _____ at page _____. 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
they wish to make or are required to make by Code § 20-2-2 must be filed with the Department
of Mines, West Virginia, after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed map and declaration shall have been mailed
and will be delivered by hand to the above named coal operator, coal owner(s), and coal lessee
on the day of the mailing or delivery of this Permit Application to the Department of Mines of
West Virginia.

PERMIT COPIES OF ALL
MAY BE OBTAINED DIRECTLY FROM:
DEPARTMENT OF MINES AND GAS
OPERATION COMMISSION
UNION STREET EAST
MARTINSBURG, WV 26101

BLANKET BOARD

CARL E. SMITH, INC.
Well Operator

By: *Carl E. Smith*

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

MINERAL TARGET FORMATION, GORDON

Estimated depth of completed well, 2800 feet Rotary / 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

CEMENT AND TUBING PROGRAM

CEMENT OR TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Weight per ft	Now	Used	For drilling	Left in well		
Water	8 5/8	K55	24	X		300	300	to Surface
								Kinds
								Sizes
Intermediate	4 1/2	K55	10.5	X		2800	2800	150 sk
Production								Depths set
	1 1/2		2.75			2800	2800	
								Perforations:
								Top Bottom

Regulation 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 100 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 this permit must be posted at the well site on 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 1-23-81.

Robert L. [Signature]

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 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 proposed to be done at this location, provided, the well operator has complied with all requirements of the West Virginia Code and the governing regulations.

Y 15 , 19 80

CARL E. SMITH, INC.

By

Larry D. Smith

Its

VICE-PRESIDENT