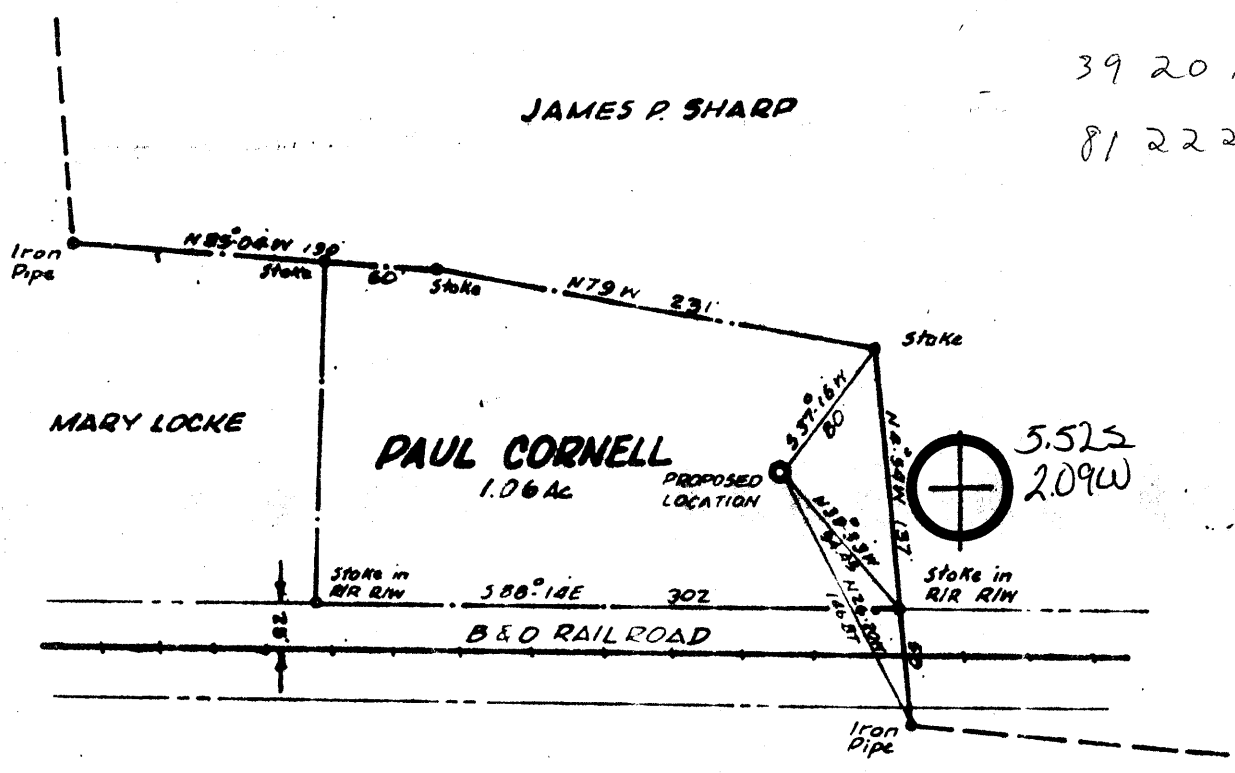


39 20 10
81 22 20



CERTIFICATE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

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 W. Barber LLS #209

COMPANY **CARL E. SMITH INC.**
 ADDRESS **SANDYVILLE, WEST VIRGINIA**
 FARM **PAUL CORNELL**
 MAP NO. _____ ACRES **1.06** LEASE NO. _____
 WELL (FARM) NO. **1** SERIAL NO. **614**
 ELEVATION (SPIRIT LEVEL) **MARIETTA 15' C**
 QUADRANGLE **WOOD** DISTRICT **UNION**
 COUNTY **WOOD** DISTRICT **UNION**
 POINT OF PROVEN ELEVATION **Rd. EL 620**
 FILE NO. _____ DRAWING NO. _____
 DATE **JUNE 20, 1980** SCALE **1" = 100 FT.**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
107-1043
 FILE NO. _____

+ DENOTES LOCATION OF WELL IN 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



IV-35
(Rev 8-82)

Date 10-6-82
Operator's
Well No. 215-1
Farm Cornell
API No. 47 - 107 - 1043

State of West Virginia
Department of Mines
Oil and Gas Division

RECEIVED
OCT 8 - 1982
OIL AND GAS DIVISION
DEPARTMENT OF MINES

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

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)
LOCATION: Elevation: 614 Watershed Ohio River
District: Union County Wood Quadrangle Marietta

COMPANY 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
SURFACE OWNER Paul Cornell
ADDRESS Waverly, WV
MINERAL RIGHTS OWNER Paul Cornell
ADDRESS Waverly, WV
OIL AND GAS INSPECTOR FOR THIS WORK K. Paul Goodnight ADDRESS Smithville, WV
PERMIT ISSUED 7-10-80
DRILLING COMMENCED 7-14-80
DRILLING COMPLETED 7-20-80
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	369.11	369.11	120 sks.
7			
5 1/2			
4 1/2	2378.38	2378.38	219 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon - Berea Depth 2400 feet
Depth of completed well 2378 feet Rotary X / Cable Tools
Water strata depth: Fresh 160 feet; Salt feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 2295-2321 feet
Gas: Initial open flow trace Mcf/d Oil: Initial open flow n/a Bbl/d
Final open flow 58 Mcf/d Final open flow n/a Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 880 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation Berea Pay zone depth 1922-1942 feet
Gas: Initial open flow 12 Mcf/d Oil: Initial open flow n/a Bbl/d
Final open flow 41 Mcf/d Oil: Final open flow n/a Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 560 psig (surface measurement) after 48 hours shut in

59
41
(99 new POP)

OCT 18 1982

(Continue on reverse side)

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

26 Holes - 2295 - 2321 Gordon, 15 Holes - 1903 - 1910 Berea

Gordon Frac: Water-Sand, 450 lb. WG 12, 450 lb. WACID, CLA-STA 30 Gal. FRAC FLO, FR 28 Sand: 450 SKS. 20/40, 150 sks. 80/100. Breakdown 1800, MAX. 3500, AV. 1970, SHUT IN INST., 600.

Berea Frac: Water-Sand, 350 lb. WG12, 350 lb. WAC 10, FRAC FLO 25 gal; FR28L, 30 gal.: Parasphere 55 gal; CLA STA, 25 GAL; 560 sks. 20/40 sand, 500 gal. Reg. 15% acid, Breakdown 2200, MAX. 3000, Shut in Inst. 1000.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	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	208	Water 147'
Sand			208	303	
Shale			303	465	
Sand			465	501	
Shale			501	584	
Sand			584	613	
Shale			613	1067	
Cow Run			1067	1105	
Shale			1105	1198	
Salt Sands			1198	1210	
Shale			1210	1427	
Maxim			1427	1473	
Keener			1473	1485	
Shale			1485	1488	
Big Injun			1488	1606	
Sand & Shale			1606	1922	
Berea			1922	1942	
Sand & Shale			1942	2295	
Gordon			2295	2321	
Shale			2321	2378 TD	

(Attach separate sheets as necessary)

Carl E. Smith, Incorporated
Well Operator

By:

Norman L. Yest

Date:

October 6, 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. 215-1

API Well No. 47 - 107 - 1043
State County Permit

Oil / Gas /
(If "Gas", Production / Underground storage ___ / Deep ___ / Shallow /
Elevation: 614 Watershed: Ohio River
District: County: Wood Quadrangle: Marietta

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

COAL OWNER Paul Cornell
Address Waverly, WV

COAL OPERATOR
Address

Acres 1.06
OWNER
Address Same

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Paul Cornell
Address Waverly, WV

Acres 1.06
LE (IF MADE) TO:

Name
Address

INSPECTOR TO BE NOTIFIED

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

Paul Goodnight
Address Smithville, WV
Ph. 477-2455

The undersigned well operator is entitled to operate for oil or gas purposes at the above under a deed ___ / lease / other contract ___ / dated May 19 1980, to the well operator from Carl E. Smith, Inc.

[deed, lease, or other contract has been recorded:]
on ___, 19 ___, in the office of the Clerk of the County Commission of Wood West Virginia, in Lease ___ Book 738 at page 436. 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 § 22-4-3 must be filed with the Department within fifteen (15) days after the receipt of this Application by the Department.

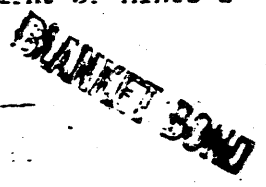
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines and Geology, West Virginia.

PERMIT COPIES OF ALL LOCAL LOSS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1000 MARKET STREET EAST
CHARLESTON, WV 25311

CARL E. SMITH, INC.
Well Operator

Handwritten signature and date: 19 June 1980



PROPOSED WORK ORDER

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

CONTRACTOR (IF KNOWN) CARL E. SMITH, INC.

Address P.O. BOX 4
SANDYVILLE, WV 25275

USUAL 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

C AND TUBING PROGRAM

C OR C TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
ator	8 5/8	K55	24	X		300	300	to surface	Kinds
water									Sizes
mediate									
tion	4 1/2	K55	10.50	X		2800	2800	150 Sks.	Depth: 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
A separate Form IV-2 shall not be required for fracturing or stimulating a well unless fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such 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 3-10-81.

Dennis
Deputy Director - Oil & Gas Division

The following notice 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 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.

June 30, 19 80

CARL E. SMITH, INC.

By Larry W. Smith
Its VICE-PRESIDENT