

2360'

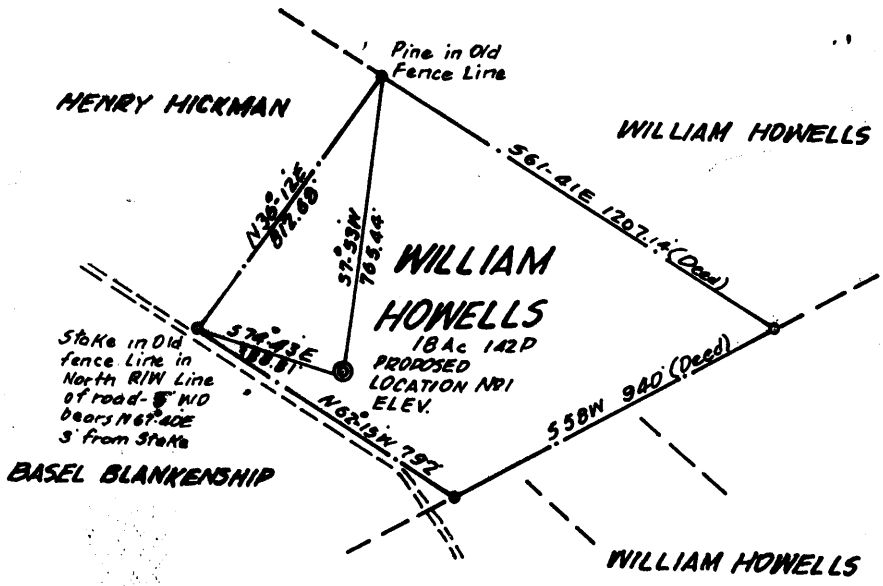
LATITUDE 39° 20'

LONGITUDE 81° 20'

Jan 1/3/91

15

7.5



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 H. Fairwell #289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

1/3/91

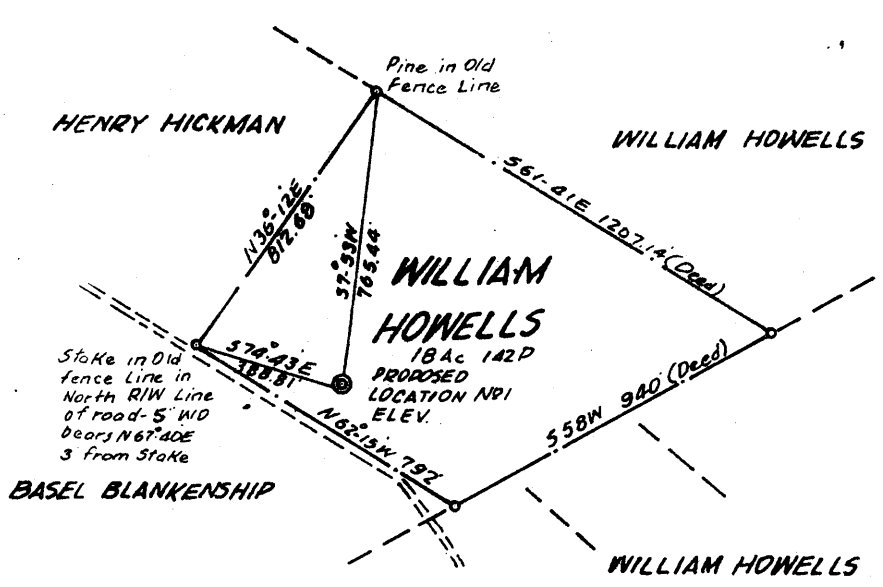
COMPANY H.D. Well Oil & Gas
 ADDRESS Box 1705, Charleston, W.V. 85320
 FARM WILLIAM HOWELLS
 MAP _____ ACRES 18 Ac 142P LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 808
 QUADRANGLE MARIETTA 15 / Valley Mills 75
 COUNTY WOOD DISTRICT UKION
 POINT OF PROVEN ELEVATION Knob Elev. 886
 FILE NO. _____ DRAWING NO. _____
 DATE _____ SCALE 1" = 500 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

API Well No. 47-107-1036-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.
GORDON 2800
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



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 D. Zuercher #289

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY CARL E. SMITH INC
 ADDRESS P.O. BOX 2 SANDYVILLE, WEST VIRGINIA
 FARM WILLIAM HOWELLS
 MAP _____ ACRES 18 Ac 142P LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 808
 QUADRANGLE MARIETTA SC
 COUNTY WOOD DISTRICT UNION
 POINT OF PROVEN ELEVATION Knob Elev. 886
 FILE NO. _____ DRAWING NO. _____
 DATE _____ SCALE 1" = 500 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
107-1036
 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.
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

GORDON 2800

6-6 Hendershot-Ogden (72)



RECEIVED

MAR 24 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL & GAS DIVISION
Oil and Gas Division DEPT. OF MINES

WELL RECORD 18

Rotary X Oil X
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (K&S)

County Marietta
107-
Permit No. 1036

Company Carl E. Smith, Inc.
Address P.O. Box 4 Sandyville, WV 25275
Farm William Howell Acres 18
Location (waters) Bull Run
Well No. 206-1 Elev. _____
District Union County Wood
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by William E. Howell
Address Box 467, Parkersburg, WV
Drilling Commenced 6-4-80
Drilling Completed 6-8-80
Initial open flow None cu. ft. Trace bbls.
Final production 120 MCF cu. ft. per day Trace bbls.
Well open 8 hrs. before test 515 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			120 sacks, 8 5/8
Cond.			234 sacks, 4 1/2
13-10"			
9 5/8			
8 5/8	302.88	302.88	
7			
5 1/2			
4 1/2	2659.98	2649.58	
3			
2 1/2"			
Liners Used			

Well treatment details: Attach copy of cementing record.
Water Frac - Berea & Gordon: Perf: 2160-2170, 16 Holes, Gordon 2530-2544, 25 Holes

Gordon - 570 sacks sand (57,000 lb) Berea - 770 sacks sand (7700 lbs.)
Clay, Shay, 30 gal, Frac Flo, 30 gal; 30 gal FR282, 3Wac10-300 Lb,
WG-12, 300 lb, Parasphere, 55 gal.

Coal was encountered at None Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea and Gordon Depth Berea 2160-2168, Gordon 2530-2534

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
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		
Sand & Shale			1387	1496		
Sand			1496	1523		

Cont'd.

Formation	Color	Kind of rock	Top Foot/ft	Bottom Foot	Oil, Gas or Water	Remarks
Sand & Shale			1523	1977		
Lime & Sand			1977	2159		
Berea			2169	2174		
Shale			2174	2529		
Gordon ✓			2530	2534		
Shale			2535	2649		
			2649 T.D.			

Date 3-23 19 81

APPROVED CARL E. SMITH, INC. Owner

Norman R. Hoff
~~Letting Office President~~ *Land Mgr.*

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 206-1
API Well No. 47-107-1036
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)
Elevation: 808 Watershed:
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: WILLIAM HOWELLS
Address: WAVERLY, WV

COAL OPERATOR:
Address:

Acres: 18 AC. 142 Poles

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name: WILLIAM HOWELLS
Address: WAVERLY, WV

ADDRESS OWNER: SAME

Acres: 18 AC. 142 Poles

Name:
Address:

SALE (IF MADE) TO:
Address:

COAL LESSEE WITH DECLARATION ON RECORD:
Name:
Address:

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

RECEIVED
MAY 15 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 _____, 19____, recorded well operator from H. D. WELL OIL & GAS CO.

[If deed, lease, or other contract has been recorded:]
Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ West Virginia, in _____ Book _____ at page _____. A permit is requested for the following proposed work:

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 well operator, coal owner(s), and coal lessee are hereby notified that any work they wish to make or use required to make by Code 5-2-3-2 must be filed with the Department of Mines within 10 days after the receipt of this Application by the Department.

Original of this permit Application and the enclosed map and declaration shall be returned to the above named well operator, coal owner, coal lessee, or the law of the mailing or delivery of this Permit Application.

PERMIT COPIES OF ALL
WELL LOGS DIRECTLY TO:
OIL AND GAS
REGULATION COMMISSION
1000 MARKET STREET EAST
MARTINSBURG, WV 26101

BLANKET BOND

CARL E. SMITH, INC.
Well Operator

By: *Lucy D. Smith*

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

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

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		
Water	8 5/8	K55	24	X		300	300	to Surface
Intermediate	4 1/2	K55	10.5	X		2800	2800	150 sk
Production	1 1/2		2.75			2800	2800	
								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 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** if 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.

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

15, 19 80

CARL E. SMITH, INC.

By *[Signature]*
Its VICE-PRESIDENT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

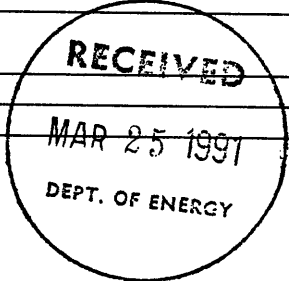
AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: HARRIS, E. F., JR. Operator Well No.: HOWELLS 1

LOCATION: Elevation: 814.00 Quadrangle: VALLEY MILLS
District: UNION County: WOOD
Latitude: 7080 Feet South of 39 Deg. 20 Min. 0 Sec.
Longitude 2360 Feet West of 81 Deg. 22 Min. 30 Sec.
Well type: OIL _____ GAS _____ X _____

Company: H. D. Wells Oil & Gas Coal Operator None
P.O. Box 1785 or Owner _____
Charleston, WV 25326 _____

Agent: H. D. Wells, III Coal Operator _____
Inspector: Glen Robison or Owner _____
Permit Issued: 01/03/91 _____



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha ss:

H. D. Wells, III and D. A. Freshwater being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by H. D. Wells Oil & Gas, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 4th day of March, 1991, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	TD	0	1,300	1,250
Set Cement Plug	2550	2450		
Set Cast Iron Plug	2350			
Set Cement Plug	2170	2070		
Set 100 Patcut	1300	1200		
Gel Bank	1200	308		
Set Plug	308	0		8 5/8

Description of monument: 7" casing with API No.

and that the work of plugging and filling said well was completed on the 5th day of March, 1991.

And further deponents saith not.

[Signature]

Sworn and subscribe before me this 22nd day of March, 1991
My commission expires: November 20, 1995

[Signature]
Notary Public