New Location: 
Drill Deeper: 
Abandonment: 

Company: CARL E. SMITH INC.
Address: SANDYVILLE, W.VA.
Farm: EDGAR DAVIDSON
Tract: Acres: 237 Lease No.
Well (Farm) No.: 2 Serial No.
Elevation (Spirit Level): 1054.00
Quadrangle: WEST UNION
County: ODORRIDGE District: WEST UNION
Engineer: J. H. BAY
Engineer's Registration No.: 804
File No.: Drawing No.
Date: 10-4-70 Scale: 1" = 40 Poles

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

WELL LOCATION MAP
FILE NO.: 000-479-DRILL DEEPEN
SECOND DEEPENING 7/24/79

+ 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.  
AUG 1 1979

- Denotes one inch spaces on border line of original tracing.
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle: Smithburg 7.5

Cable: X
Recycling: Combi
Water Flood: Storage

Casing and Tubing | Used in Drilling | Left in Well | Cement fill up
Size | Cond. | Cu. ft. (Skgs.)
--- | --- | ---
20-16 | 13-10" | 50000
9 5/8 | 8 5/8 | 5 1/2 | 4 1/2 | 3
1/2 tubing | 2B40 | 317.35
Liners Used | 53/16

Address: Sandyville, WV

Location (wells): Nutter's Fork
Well No.: 2
Elev.: 1056'

Company: Carl E. Smith, Inc.

Address: Sandyville, WV

Farm: E. Davidson
Acres: 23.75

District: West Union
County: Doddridge

The surface of the tract is owned in fee by Cleo Yeater

Address: West Union

Mineral rights are owned by E. Davidson Est.

Address: West Union

Drilling Commenced: 8-1-79
Drilling Completed: 8-4-79

Initial open flow: 85 MCF cu. ft. -0-- bbls.
Final production: 85 MCR A per day -0-- bbls.

Well open hrs. before test: 42 RP.

Well treatment details:

NO TREATMENT

Coal was encountered at: Feet: Inches:

Fresh water: Feet
Salt Water: Feet

Producing Sand: Gordon

Depth: 2810

Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks
--- | --- | --- | --- | --- | --- | ---
Shale | Sandy Shale | 2750 | 2793 | 2810 | 2830 | 2840
Shale | 273 | 281 | 2830 | 2840
Sandstone | 2810 | 2830 | 2840
Shale | Total Depth | 2840

Gordon SG

* Indicates Electric Log tops in the remarks section.
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Company: Carl E. Smith, Inc.
Address: Sandyville, West Virginia

Location (waters): Nutter's Fork

Well No.: 2
Elev.: 1056

District: West Union
County: Oddridge

The surface of the tract is owned in fee by:

Mineral rights are owned by:

Edgar Davidson, at Sandyville, West Virginia, W. Va.

Drilling commenced: August 27, 1963
Drilling completed: September 18, 1963

Date Shot: From...To...

Open Flow: 10ths Water in...10ths Merc in...
Volume: 50,000

Rock Pressure: 80 lbs. 24 hrs.

Oil: bbls., 1st 24 hrs.

WELL ACIDIZED...

WELL FRACTURED...

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water...Feet Salt Water...Feet

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Hard</td>
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</table>

Depth

Oil Gas or Water

Remarks

(over)
**State of West Virginia**

**Department of Mines**

**Oil and Gas Division**

---

**WELL RECORD**

- **Company:** Carl E. Smith, Inc.
- **Address:** Sandyville, West Virginia
- **Farm:** Edgar Davidson
- **Acres:** 23
- **Location (waters):** Nutters Fork
- **Well No.:** 2
- **Elev.:** 1056
- **District:** West Union
- **County:** Doddridge
- **The surface of tract is owned in fee by:** Address
- **Mineral rights are owned by:** Edgar Davidson, et al
- **Address:** West Union, W.Va.
- **Drilling commenced:** October 12, 1960
- **Drilling completed:** November 23, 1960
- **Date Shot:** From To
- **Open Flow:** (/10ths Water in) / (/10ths Merc. in)
- **Volume:** 300,000 Cu. Ft. / 110 lbs. 12 hrs. / 4 bbls., 1st 24 hrs.
- **Oil:** WELL ACIDIZED
- **WELL FRACATED:** Yes, 22,000 sand

---

RESULT AFTER TREATMENT: 500,000

---

ROCK PRESSURE AFTER TREATMENT: 180 lbs. for 12 hours

---

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<th>Formation</th>
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---

**Casing Cemented:** 7th Size 2126 No. Fr. 11/15/60 Date

**25 Bags Cement 6 bags Spg 10 slurry**

**Coal was encountered at:**

- Feet Inches
- Feet Inches
- Feet Inches

---

(over)
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<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
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<td>2183</td>
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<td>Gas increases 2115 to 2170</td>
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</table>

December 30,

Date

APPROVED CARL E. SMITH, INC., Owner

By President (Title)
OIL AND GAS, WELL PERMIT APPLICATION

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

OIL & GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /

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

LOCATION: Elevation: 1056
Watershed: Nutters Fork
District: West Union
County: Doddridge
Quadrangle: Smithburg 7.5'

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

E. Davidson Est., et al
Address: Box 185
West Union, WV 26456

COAL OPERATOR

None

Acreage: 234

SURFACE OWNER

Cleo Yeater
Address: 119 Court Str.
West Union, WV 26456

COAL OWNER(S) WITH DECLARATION ON RECORD

Name: E. Davidson Est., et al
Address: Box 185
West Union, WV 26456

FIELD SALE (IF MADE TO):

Name: None
Address: None

OIL & GAS INSPECTOR TO BE NOTIFIED

Name: Paul Garrett
Address: 321 Beech Str.
Clarksburg, WV 26301
Tel. (304) 622-3871

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract X / dated July 22, 1960, to the undersigned well operator from Hope Natural Gas Co. (If said deed, lease, or other contract has been recorded:

Recorded on July 26, 1960, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Assignment Book 65 at page 191. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper X / 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 objection they wish to make or are required to make by Code § 22-4-3 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 plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee or 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 GEOPHYSICAL LOGS DIRECTLY TO:

WV OIL AND GAS CONSERVATION COMMISSION
1615 Washington Street East
Charleston, WV 25311

TELEPHONE: (304) 348-3092

CARL E. SMITH, INC.
Well Operator

BLANKET BOND

By

Its

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 410

Sandyville, WV 25275

GEOLOGICAL TARGET FORMATION, Gordon

Estimated depth of completed well, 3200 feet. Rotary / Cable tools X /

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

Approximate coal seam depths: None expected Is coal being mined in the area? Yes X

CASING AND TUBING PROGRAM

<table>
<thead>
<tr>
<th>CASING OR TUBING TYPE</th>
<th>SPECIFICATIONS</th>
<th>FOOTAGE INTERVALS</th>
<th>CEMENT FILL-UP OR SACKS (Cubic feet)</th>
<th>PACKERS</th>
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<tbody>
<tr>
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<td>Grade per ft New</td>
<td>Used</td>
<td>For drilling Left in well</td>
<td>(Cemented in productive)</td>
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<td>16'</td>
<td>Kinds</td>
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NOTE: 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-2, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-11b and Regulation 33, (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 drilling 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 noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for deepening. This permit shall expire if operations have not commenced by 3-25-80

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.

Date: ___________________ 19

By _________________________ Its _________________________