

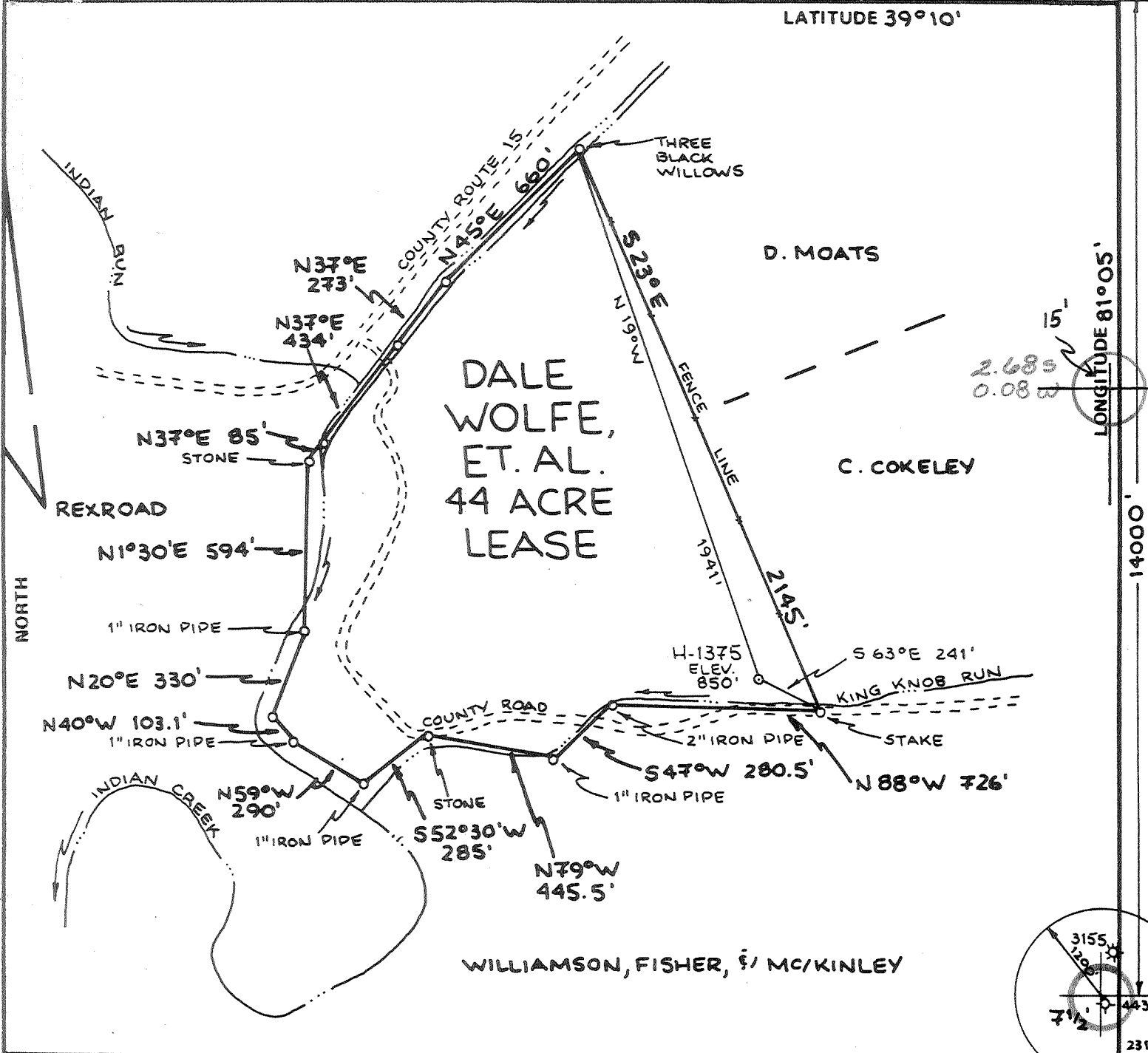
Plot Card CSD 1/13/83

280'

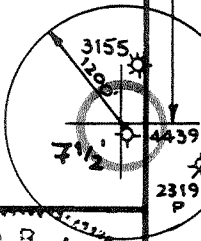
LATITUDE 39°10'

LONGITUDE 81°05'

14000'

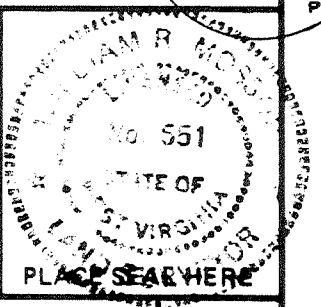


2.685
0.08 W



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH PT. ELEV. 1013'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) William R. Phessor
 R.P.E. _____ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 12 JANUARY, 1983
 OPERATOR'S WELL NO. H-1375
 API WELL NO. _____
47 - 085 - 6180
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 850' WATER SHED INDIAN CREEK
 DISTRICT MURPHY COUNTY RITCHIE
 QUADRANGLE HARRISVILLE 7 1/2' QUAD. 7-15' C
 SURFACE OWNER ROBERT L. SCHOOLCRAFT ACREAGE 29
 OIL & GAS ROYALTY OWNER DALE WOLFE, ET. AL. LEASE ACREAGE 44
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4500'
 WELL OPERATOR HAUGHT, INC. DESIGNATED AGENT WARREN R. HAUGHT
 ADDRESS SMITHVILLE, W. VA. 26178 ADDRESS SMITHVILLE, W. VA. 26178

JAN 17 1983

COPY



IV-35
(Rev 8-81)

RECEIVED

State of West Virginia

APR 6 - 1983

Department of Mines
Oil and Gas Division

Date March 11, 1983

Operator's

Well No. H-1375

Farm Dale Wolfe

API No. 47-085-6180

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 x /)

LOCATION: Elevation: 860' Watershed Indian Creek

District: Murphy County Ritchie Quadrangle Harrisville, WV

COMPANY Haught, Inc.

ADDRESS Rt. 3, Box 14 Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught

ADDRESS Smithville, WV 26178

SURFACE OWNER Robert Schoolcraft

ADDRESS Mahone, WV 26402

MINERAL RIGHTS OWNER Dale Wolfe

ADDRESS Mahone WV 26402

OIL AND GAS INSPECTOR FOR THIS WORK Samuel N.

Hersman ADDRESS Box 66 Smithville, WV

PERMIT ISSUED January 13, 1983

DRILLING COMMENCED 2-22-83

DRILLING COMPLETED 2-25-83

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 | 802.75 | 802.75 | 150 sacks |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 4258' | 213 sacks |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3522-4282 feet

Depth of completed well 4282' feet Rotary x / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt _____ feet

Coal seam depths: None Is coal being mined in the area? No.

OPEN FLOW DATA

Producing formation Huron Devonian Shale Pay zone depth 3522-4282 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Ebl/d

Final open flow 225,000 Mcf/d Final open flow 0 Ebl/d

225 mcf

Time of open flow between initial and final tests 8 hours

Static rock pressure 1350 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Ebl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Ebl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

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(Continue on reverse side)

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

Nitrogen Fraced by NOWSCO Well Serv.
19 Holes from 4042 - 4223
500 Gal. 15% Acid.
720,000 cub. ft. N2.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-----------|-------|--------------|----------|-------------|--|
| | | | | | Including indication of all fres and salt water, coal, oil and ga |
| Slate | Gray | Soft | 0 | 15 | |
| Sand | Gray | Hard | 15 | 27 | |
| R.R. | Red | Soft | 27 | 35 | |
| Slate | Gray | Soft | 35 | 55 | |
| Sand | Gray | Hard | 55 | 66 | |
| R.R. | Red | Soft | 66 | 70 | |
| Sand | Gray | Hard | 70 | 80 | |
| Slate | Gray | Soft | 80 | 100 | |
| R.R. | Red | Soft | 100 | 110 | |
| Sand | Gray | Hard | 110 | 125 | |
| Slate | Gray | Soft | 125 | 170 | |
| R.R. | Red | Soft | 170 | 177 | |
| Sand | Gray | Hard | 177 | 220 | |
| R.R. | Red | Soft | 220 | 238 | |
| Slate | Gray | Hard | 238 | 249 | |
| Sand | Gray | Hard | 249 | 291 | |
| R.R. | Red | Soft | 291 | 305 | |
| Slate | Gray | Soft | 305 | 330 | |
| R.R. | Red | Soft | 330 | 340 | |
| Sand | Gray | Hard | 340 | 380 | |
| Slate | Gray | Hard | 380 | 420 | |
| R.R. | Red | Soft | 420 | 425 | |
| Slate | Gray | Hard | 425 | 475 | |
| R.R. | Red | Soft | 475 | 486 | |
| Sand | Gray | Hard | 486 | 496 | |
| R.R. | Red | Soft | 496 | 518 | |
| Slate | Gray | Hard | 518 | 526 | |
| R.R. | Red | Soft | 526 | 536 | |
| Slate | Gray | Soft | 536 | 602 | |
| Sand | Gray | Hard | 602 | 611 | |
| Slate | Gray | Soft | 611 | 626 | |
| Sand | Gray | Hard | 626 | 642 | |
| Slate | Gray | Soft | 642 | 657 | |
| R.R. | Red | Soft | 657 | 676 | |
| Slate | Gray | Soft | 676 | 730 | |
| R.R. | Red | Soft | 730 | 740 | |
| Slate | Gray | Soft | 740 | 790 | |
| R.R. | Red | Soft | 790 | 811 | |
| Slate | Gray | Soft | 811 | 852 | |

(Attach separate sheets as necessary)

Haught, Inc.
Well Operator

By: W. R. Haught

Date: March 11, 1983

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."

(cont. H-1375)

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET |
|-----------|-------|--------------|----------|-------------|
| Sand | Gray | Hard | 852 | 864 |
| Slate | Gray | Soft | 864 | 1055 |
| R.R. | Red | Soft | 1055 | 1065 |
| Slate | Gray | Soft | 1065 | 1202 |
| Sand | Gray | Hard | 1202 | 1222 |
| Slate | Gray | Soft | 1222 | 1326 |
| Sand | Gray | Hard | 1326 | 1361 |
| Slate | Gray | Soft | 1361 | 1418 |
| Sand | Gray | Hard | 1418 | 1436 |
| Slate | Gray | Soft | 1436 | 1480 |
| Slate | Gray | Soft | 1480 | 1490 |
| Sand | Gray | Hard | 1490 | 1510 |
| Sand | White | Hard | 1510 | 1605 |
| Lime ✓ | Gray | Soft | 1605 | 1724 |
| Sand ✓ | White | Hard | 1724 | 1803 |
| Slate | Gray | Soft | 1803 | 2602 |
| Shale | Gray | Soft | 2602 | 2787 |
| Sand | Gray | Hard | 2787 | 2809 |
| Shale | Gray | Soft | 2809 | 3029 |
| Sand | White | Hard | 3029 | 3041 |
| Shale | Gray | Soft | 3041 | 3216 |
| Sand | White | Hard | 3216 | 3333 |
| Shale | Gray | Soft | 3333 | 3501 |
| Sand | White | Hard | 3501 | 3522 |
| Shale | Gray | Soft | 3522 | 4282 |

085-6180

T.D.

Huron @ T.D.

RITCHIE 6180

APR 11 1983



1) Date: January 13, 19 83
 2) Operator's Well No. H-1375
 3) API Well No. 47 085 6180
 State _____ County _____ Permit _____

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 850 Watershed: Indian Creek
 District: Murphy County: Ritchie Quadrangle: Harrisonville
- 6) WELL OPERATOR Baucht, Inc. 11) DESIGNATED AGENT Warren B. Baucht
 Address 4474 Emerson Avenue Address Rt. 3 Box 14
Parkersburg, WV 26104 Smithville, WV 26178
- 7) OIL & GAS ROYALTY OWNER Dale Wolfe, etal 12) COAL OPERATOR None
 Address Mahona, WV 26402 Address _____
 Acreage 44
- 8) SURFACE OWNER Robert L. Schoolcraft 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Mahona, WV 26402 Name _____
 Address _____
 Acreage 29 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address Consolidated Gas Supply Corp.
Clarksburg, WV 26301
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel R. Horman
 Address P.O. Box 66
Smithville, WV 26178
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Devonian shale
- 17) Estimated depth of completed well, 4500 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No

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DEPT. OF MINES

20) CASING AND TUBING PROGRAM

| CASING 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 | | | | | | | | | Kinds |
| Fresh water | <u>8-5/8</u> | <u>E-95</u> | <u>200</u> | <input checked="" type="checkbox"/> | | <u>980</u> | <u>950</u> | <u>Cement to Surface</u> | Sizes |
| Coal | | | | | | | | | Depths set |
| Intermediate | | | | | | | | | |
| Production | <u>4 1/2</u> | <u>J-55</u> | <u>10.50</u> | <input checked="" type="checkbox"/> | | | <u>4500</u> | <u>450 sacks</u> | |
| Tubing | | | | | | | | | Perforations: |
| Liners | | | | | | | | | Top Bottom |

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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 on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
 My Commission Expires _____

Signed: Robert L. Schoolcraft
 Its: Well Administrator

OFFICE USE ONLY
DRILLING PERMIT

Permit number _____

19

Date _____

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|-------|--------|-------|--------|-------------|
| Bond: | Agent: | Plat: | Casing | Fee |
| | | | | <u>3311</u> |

Administrator, Office of Oil and Gas