



FILE NO. 885
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1:2000
PROVEN SOURCE OF ELEVATION U.S.D.I.G.S. B.M. 5 JEA 1962

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) *James F. Scott*
R.P.E. 5994 L.L.S.

PLACE SEAL HERE

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



DATE JUNE 19 83
OPERATOR'S WELL NO. S-481
API WELL NO.

47 - 017 - 3240
STATE COUNTY PERMIT

AUG 08 1983

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1122.8 WATER SHED BUCKEYE CREEK OF MIDDLE ISLAND CREEK
DISTRICT GREEN BRIER COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC *Vadis 15 NE* ACREAGE 16.92
SURFACE OWNER CLARENCE & ANITA EVANS
OIL & GAS ROYALTY OWNER CLARENCE EVANS et al. LEASE ACREAGE 16.92
LEASE NO. 307

PROPOSED WORK: DRILL X 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 FORMATIONS ALEXANDER, BENSON ESTIMATED DEPTH 5450' 5100'
WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
ADDRESS P.O. BOX 112 SALEM, W.V. 26426

6-6 Meathouse Fork-Bristol (146)



RECEIVED

SEP 22 1983

IV-35
(Rev 8-81)

Date September 19, 1983
Operator's Well No. S-481
Farm Clarence Evans
API No. 47 - 017 - 3240

OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
Oil and Gas Division

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 x / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1123 Watershed Buckeye Creek of Middle Island Creek
District: Greenbrier County Doddridge Quadrangle Big Isaac

COMPANY James F. Scott
ADDRESS P. O. Box 112, Salem, WV
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV
SURFACE OWNER Clarence Evans
ADDRESS Route 1, Box 421, Salem
MINERAL RIGHTS OWNER Clarence Evans
ADDRESS Route 1, Box 421, Salem
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Route 2, Jane Lew
PERMIT ISSUED August 2, 1983
DRILLING COMMENCED 8/25/83
DRILLING COMPLETED 9/2/83

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

| Casing & Tubing Size | Used in Drilling in Well | Left in Well | Cement fill up Cu. ft. |
|----------------------|--------------------------|--------------|------------------------|
| 20-16 Cond. | 30' | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | | 922' | to surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 5450 | 600 sks |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Benson, Alexander Depth _____ feet

Depth of completed well 5591 feet Rotary / Cable Tools _____
Water strata depth: Fresh 97 -127 feet; Salt _____ feet
Coal seam depths: 183-200 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Alexander, Benson, 5th Sand Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 412 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1900 psig (surface measurement) after 72 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 _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours OCT 3 1983
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

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

| | | | | | |
|-----------------|------------------|--------|---------|-------|---------|
| Alexander | 5360-5364 | 80/100 | 100 sks | 20/40 | 300 sks |
| Benson | 5023-5040 | 80/100 | 100 sks | 20/40 | 500 sks |
| <u>5th Sand</u> | <u>3051-3057</u> | 80/100 | 50 sks | 20/40 | 200 sks |

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|------------------|-------|--------------|----------|-------------|--|
| Shale | | | 80 | 87 | Including indication of all fractures and salt water, coal, oil and gas. |
| Red Rock | | | 87 | 97 | |
| Sand | | | 97 | 127 | 2" stream H ₂ O 4" stream H ₂ O |
| Shale | | | 127 | 139 | |
| Sand & Chale | | | 139 | 183 | |
| Coal | | | 183 | 200 | |
| Sand & Shale | | | 200 | 364 | |
| Red Rock | | | 364 | 378 | |
| Red Rock | | | 378 | 450 | |
| Sand & Shale | | | 450 | 1107 | |
| Red Rock & Shale | | | 1007 | 1151 | (Little Lime) (Big Lime) |
| Sand & Shale | | | 1151 | 1240 | |
| Sand | | | 1240 | 1536 | |
| Shale | | | 1536 | 1848 | |
| Shale & Sand | | | 1848 | 2055 | |
| Shale | | | 2055 | 2185 | |
| Big Lime | | | 2055 | 2199 | |
| Sand | | | 2185 | 2246 | |
| Sand & Shale | | | 2199 | 2519 | |
| Shale | | | 2246 | 2623 | |
| Sand | | | 2619 | 2736 | |
| Sandy Shale | | | 2623 | 2754 | |
| Sand | | | 2736 | 2850 | |
| Sandy Shale | | | 2754 | 2862 | |
| Sand | | | 2850 | 2905 | |
| Sand | | | 2862 | 3086 | |
| Shale | | | 2905 | 3128 | |
| Sand & Shale | | | 3086 | 5591 TD | |
| 5th Sand | | | 3086 | | (Fifth Sand) (Benson 5023-5040) (Alexander 5360-5364) |
| Sand & Shale | | | 3128 | | <u>Quartz TD</u> |

(Attach separate sheets as necessary)

James F. Scott
Well Operator
By: James F. Scott
Date: 9/20/83

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 strata, encountered in the drilling of a well."



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

Permit

County

1) Date: July 15, 1983

2) Operator's Well No. 5-401 Clarence Evans

3) API Well No. 47 State WV County Clay

DRILLING CONTRACTOR:

OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil Gas B (If "Gas", Production Undergrnd storage Deep Shallow
Elevation: 1123 Watershed: Rockove Creek of Middle Island Creek

5) LOCATION: District: Greenbrier County: Clay Quadrangle: S19 E34E

6) WELL OPERATOR: James F. Scott Address: P.O. Box 117, Salisbury, WV 26426

7) OIL & GAS ROYALTY OWNER: Clarence Evans Et al Address: Route 1, Box 401, Salisbury, WV 26426

8) SURFACE OWNER: Clarence Evans Address: Route 1, Box 401, Salisbury, WV 26426

9) FIELD SALE (IF MADE) TO: Address: _____

10) OIL & GAS INSPECTOR TO BE NOTIFIED Name: _____ Address: _____

11) DESIGNATED AGENT Name: _____ Address: _____

12) COAL OPERATOR Name: _____ Address: _____

13) COAL OWNER(S) WITH DECLARATION ON RECORD: Name: _____ Address: _____

14) COAL LESSEE WITH DECLARATION ON RECORD: Name: _____ Address: _____

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, Alexander, Benson
17) Estimated depth of completed well, 6450 feet
18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

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. | | | |
| Conductor | 11 3/4" | | | For drilling | Left in well | Kind |
| Fresh water | | | | | | Size |
| Coal | | | | | | Depths set |
| Intermediate | | | | | | Perforations: |
| Production | | | | | | Top |
| Tubing | | | | | | Bottom |
| Liners | | | | | | |

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

23) Required Copies (See reverse side.)
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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: James F. Scott Signed: _____ Its: _____
My Commission Expires June 30, 1986

Permit number 47-0017-3249 Date August 2, 1983
OFFICE USE ONLY
DRILLING PERMIT

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 August 2, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.
Bond: _____ Agent: _____ Plat: _____ Casing: _____ Fee: _____
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs; "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.**

.....
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.

WAIVER

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 _____