

LATITUDE 39 ° 25'

LONGITUDE 80 ° 35'



Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S.M. of Centerville - 790'

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.

Fracture
 New Location
 Drill Deeper
 Abandonment
 Signed: *Hubert J. ...*
 Squares: N S E W

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

WELL LOCATION MAP
 FILE NO. 200-1578

Company Scott Enterprises, Inc.
 Address Salem, West Va. 26426
 Farm Harry K. Gline
 Tract Acres 7 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 883
 Quadrangle Centerville
 County Putnam District McClellan
 Engineer Hubert J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Oct 18, 1969 Scale 1" = 200' x 95'

+ 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 squares on border line of original tracing.

6-C Smithson - Flint - Sedalia 99 NOV 24 1969

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FEB 1 - 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date January 31, 1983
Operator's S-136
Well No.
Farm Harry E. Cline
API No. 47 - 017 - 1578 DD

IV-35
(Rev 8-81)

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: 883 Watershed
District: McClellen County Doddridge Quadrangle Centerpoint

COMPANY James F. Scott
ADDRESS P. O. Box 112, Salem, WV
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV
SURFACE OWNER Bradley Hyde
ADDRESS Salem, WV 26426
MINERAL RIGHTS OWNER Harry Cline
ADDRESS Court Square, West Union
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Rt. 2, Jane Lew, WV
PERMIT ISSUED January 7, 1983
DRILLING COMMENCED
DRILLING COMPLETED 1/29/83
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. 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		472	
7			
5 1/2			
4 1/2		1901	
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Pocono Depth 1920 feet

Depth of completed well feet Rotary / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Pocono Pay zone depth 1930 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 285 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 375 psig (surface measurement) after 24 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
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

FEB 14 1983

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

Natural

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand			1901	1908	Including indication of all fresh and salt water, coal, oil and gas
Shale			1908	1912	
Sand			1912	1930	
Shale & Sand			1930	1945 TD	
					<p style="color: red;">Second Injun</p> <p style="color: red;">1945 1929 16' BD ftg.</p>

(Attach separate sheets as necessary)

Well Operator

James F. Scott

By: James F. Scott

Date: January 31, 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 ... encountered in the drilling of a well."

39° 30'
5-43

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JAN 29 1970



OIL & GAS DIVISION
DEPT. OF MINES

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

WELL RECORD

Centerpoint
DOD-1578
Oil or Gas Well Gas
 Spudder
 Cable Tools
 Storage
 G. NO. LL
(SND)

Company: Scott Enterprises, Inc.
Address: Salem, West Virginia
Harry E. Cline
Acres: 67
Elevation (waters): 1 (S-136) Elev. 883
Well No. McClellan County Doddridge
District Brady Hyde
The surface of tract is owned in fee by West Union, W. Va.
Address: West Union, W. Va.
Mineral rights are owned by H. E. Cline
Address: West Union, W. Va.
Drilling commenced: 1-2-70
Drilling completed: 1-8-70
Date Shot: From To
Casing and Tubing: 16, 13, 10, 8 1/4, 6 3/4, 5 3/16
Used in Drilling: 472, 472, 1892
Left in Well: 472, 1892
Packers: Kind of Packer, Size of, Depth set
Perf. top: 1840
Perf. bottom: 1840

Open Flow: /10ths Water in. /10ths Merc. in.
Volume: lbs.
Rock Pressure: hrs.
Oil: bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS): 500 gal Acid, 1000 bbls. Water, 45,000 lbs. Sand
WELL FRACTURED (DETAILS): 992 Mcf
Attach copy of cementing record. 8" - 473' - Date-1-5-70
CASING CEMENTED 4 3/4" SIZE 1892 No. Fl. 1-9-70 Date 75
Name of Service Co. Garaton
COAL WAS ENCOUNTERED AT 431
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open flow or bbls) 610
ROCK PRESSURE AFTER TREATMENT 86
Fresh Water: 86 Feet
Producing Sand: Injun Salt Water: 992 Mcf
Feet
Depth: 1840

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	45			
Sand			45	80			
Shale			80	105			
Sand			105	145			
Shale			145	190			
Sand			190	225			
Shale			225	265			
Shale			265	295			
Lime			295	320			
Sand			320	355			
Sand & Lime			355	405			
Shale			405	431			
Shale			431	438			
Sand			438	493			
Shale			493	525			
Sand			525	585			
Coal			585	625			
Sand			625	680			
Shale			680	730			
Shale & Red rock			730	810			
Slate			810	880			
Sand			880	950			
Shale			950	1010			
Sand			1010	1075			
Lime			1075	1150			
Shale			1150	1225			
Lime			1225	1280			
Sandy Lime			1280	1320			
Shale			1320	1380			

Formation	Color	Hard or Soft	Top ~	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1380	1430			
Sand			1430	1485			
Red rock			1485	1540			
Shale			1540	1620			
Sand			1620	1685			
Shale			1685	1705			
Slate			1705	1744			
Big Lime			1744	1822			
Sand			1822	1877			
Shale			1877	1929			
F D							

Big Limestone

APPROVED John J. Stewart 24, 1928
 By Paul Paul
 (Title)
 OFFICE



DRILLING CONTRACTOR: _____

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

1) Date: December 31, 19 82
 2) Operator's Well No. Harry E. Cline S-196
 3) API Well No. 47 State 017 County 1578-50 Permit

OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil / Gas / Underground storage / Deep / Shallow

B (If "Gas", Production / /)

5) LOCATION: Elevation: 803 Watershed: _____

District: Mecklenburg County: Doddridge Quadrangle: Center Mine

6) WELL OPERATOR: James F. Scott Address: P. O. Box 112 Designated Agent: Harriet Winton

Salina, WV 26426 Address: Salina, WV 26426

7) OIL & GAS ROYALTY OWNER: Harry Cline 12) COAL OPERATOR: _____

Address: Court Square Address: _____

West Union Address: _____

8) SURFACE OWNER: Bradley Wade 13) COAL OWNER(S) WITH DECLARATION ON RECORD:

Address: West Union, WV Name: _____ Address: _____

Acres: _____ Name: _____ Address: _____

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

Address: _____

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

Name: Stephen Casey Address: P. O. Box 232-D

Address: June Lew, WV 26378

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

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, Pocahontas

17) Estimated depth of completed well, 2029 feet

18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

19) Approximate coal seam depths: _____ feet. Is coal being mined in the area? Yes / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
			Weight per ft.	New	Used	Left in well		OR SACKS (Cubic feet)	Kind
Conductor									
Fresh water									
Coal									
Intermediate									
Production									
Tubing									
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 J. Scott Signed: _____

My Commission Expires: June 30, 1990 Its: _____

OFFICE USE ONLY
 Permit number: 67-017-1578-007 DRILLING PERMIT
 Date: January 7, 19 82

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: September 7, 1981 unless drilling is commenced prior to that date and prosecuted with due diligence.
 Bond: _____ Agent: _____ Plat: _____ Casing: _____ Fee: _____
 Administrator, Office of Oil and Gas

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 mine's 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 §21-4-3 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 agent for WOTR/ 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: 4 January, 19 83 By William C. Tolsted Jr
Its Agent