





**REC-210**  
OCT 24 1983

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date January 11, 1983  
Operator's Well No. #2522  
Farm I.R. Schmidt #1  
API No. 47 - 017 - 3160

OIL & GAS DIVISION  
DEPT. 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 X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 890 Watershed Sycamore Fork  
District: Cove County Doddridge Quadrangle Vadis

COMPANY Devon Energy Corporation  
ADDRESS Box 1433, Charleston, WV 25325  
DESIGNATED AGENT Arthur C. Youse  
ADDRESS Box 1433, Charleston, WV 25325  
SURFACE OWNER Franklin Rastle  
ADDRESS Troy, WV 26443  
MINERAL RIGHTS OWNER John Albers, Agent  
ADDRESS Box 405, Kildare, OK 74642  
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey  
ADDRESS Jane Lew, WV  
PERMIT ISSUED October 12, 1982  
DRILLING COMMENCED November 30, 1982  
DRILLING COMPLETED December 4, 1982  
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	899	899	To Surface
7			
5 1/2			
4 1/2		2085	200 sax
3			
2		1975	
Liners used			

GEOLOGICAL TARGET FORMATION Injun Sand Depth 2100 feet  
Depth of completed well 2100 feet Rotary X / Cable Tools  
Water strata depth: Fresh feet; Salt feet  
Coal seam depths: None Reported Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Injun Sand Pay zone depth 1986-2000 feet  
Gas: Initial open flow 1,400 Mcf/d Oil: Initial open flow --- Bbl/d  
Final open flow 855 Mcf/d Final open flow --- Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 620 psig (surface measurement) after 40 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

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(Continue on reverse side)

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

Perforated 4 1/2" casing from 1986' to 2000' with 28 shots.  
Fractured Injun Sand 12/9/82 with 1000 gallons 15% acid, 60,000# sand, 625 BBLs. water and 125,000 SCF Nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	18	Including indication of all fresh and salt water, coal, oil and gas
Shale			18	126	
Sand			126	170	
Shale			170	280	
Sand			280	338	
Shale			338	514	
Sand			514	551	
Shale			551	735	
Sand			735	788	
Shale			788	858	
Sand			858	872	
Shale			872	1020	
Sand			1020	1038	
Shale			1038	1186	
Sand			1186	1208	
Shale			1208	1230	
Sand			1230	1250	
Shale			1250	1279	
Sand			1279	1342	
Shale			1342	1504	
Sand			1504	1522	
Shale			1522	1635	
Salt Sand			1635	1706	
Shale			1706	1828	
Little Lime			1828	1842	
Blue Monday			1842	1880	
Pencil Cave			1880	1890	
Big Lime			1890	1960	
Injun Sand			1960	2036	
Shale			2036	2100	
Log Total Depth				2100	

(Attach separate sheets as necessary)

Devon Energy Corporation  
Well Operator

By: Bill C. Staves

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



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. \_\_\_\_\_  
 3) API Well No. 47 \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
OIL AND GAS WELL PERMIT APPLICATION

DRILLING CONTRACTOR:

Not Yet Contracted

4) WELL TYPE: A Oil \_\_\_\_\_ / Gas  \_\_\_\_\_  
 B (If "Gas", Production \_\_\_\_\_)  
 5) LOCATION: Elevation: \_\_\_\_\_ Undergrnd storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  \_\_\_\_\_  
 District: \_\_\_\_\_ Watershed: \_\_\_\_\_  
 County: \_\_\_\_\_ Quadrangle: Zachar 7-1/2

6) WELL OPERATOR \_\_\_\_\_  
 Address \_\_\_\_\_  
 11) DESIGNATED AGENT \_\_\_\_\_  
 Address \_\_\_\_\_  
 12) COAL OPERATOR \_\_\_\_\_  
 Address \_\_\_\_\_

7) OIL & GAS ROYALTY OWNER \_\_\_\_\_  
 Address \_\_\_\_\_  
 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_

8) SURFACE OWNER \_\_\_\_\_  
 Address \_\_\_\_\_  
 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_

9) FIELD SALE (IF MADE) TO: \_\_\_\_\_  
 Address \_\_\_\_\_  
 15) PROPOSED WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate OIL & GAS DIVISION  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ / DEPT. OF MINES  
 Other physical change in well (specify) \_\_\_\_\_

10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Address \_\_\_\_\_

16) GEOLOGICAL TARGET FORMATION, \_\_\_\_\_  
 17) Estimated depth of completed well, \_\_\_\_\_ 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	8-7/8	X	30	For drilling	Left in well	_____
Fresh water	8-7/8	X	30	_____	_____	_____
Coal	8-7/8	X	30	_____	_____	_____
Intermediate	8-7/8	X	30	_____	_____	_____
Production	8-7/8	X	30	_____	_____	_____
Tubing	8-7/8	X	30	_____	_____	_____
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   
 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: \_\_\_\_\_ Signed: \_\_\_\_\_  
 My Commission Expires: \_\_\_\_\_ Its: \_\_\_\_\_

OFFICE USE ONLY  
**DRILLING PERMIT**  
 Permit number \_\_\_\_\_ 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: \_\_\_\_\_  
 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 \_\_\_\_\_

