

NOV 21 1983



State of West Virginia

Department of Mines
Oil and Gas Division

Date January 11, 1983
Operator's
Well No. #2336
Farm I.R. Schmidt #3
API No. 47 - 017 - 3172

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 X /)

LOCATION: Elevation: 1060 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 76642
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Casey ADDRESS Jane Lew, WV
PERMIT ISSUED November 1, 1982
DRILLING COMMENCED December 9, 1982
DRILLING COMPLETED December 12, 1982
IF APPLICABLE: PLUGGING OF DRY HOLE OR
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VEREAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	1085	1085	To Surface
7			
5 1/2			
4 1/2		2205	200 sax
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun Sand Depth 2325 feet
Depth of completed well 2222 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 2098-2110 feet
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow ? Mcf/d Final open flow ? Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 700 psig (surface measurement) after 48 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

_____ hours shut in

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

Perforated 4 1/2" casing 2098' to 2110' with 25 shots.
 Fractured Injun Sand 12/31/82 using 60,000# sand, 559 BBLS. fluid and 166,000 SCF Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	22	Including indication of all fresh and salt water, coal, oil and gas.
Shale			22	72	
Sand			72	85	
Shale			85	160	
Sand			160	168	
Shale			168	636	
Sand			636	658	
Shale			658	840	
Sand			840	882	
Shale			882	964	
Sand			964	990	
Shale			990	1233	
Sand			1233	1256	
Shale			1256	1329	
Sand			1329	1356	
Shale			1356	1392	
Sand			1392	1446	
Shale			1446	1547	
Sand			1547	1558	
Shale			1558	1572	
Sand			1572	1608	
Shale			1608	1759	
Sand			1759	1780	
Shale			1780	1948	
Sand			1948	1968	
Shale			1968	1998	
Little Lime			1998	2010	
Blue Monday			2010	2084	
Pencil Cave			2084	2154	
Big Lime			2154	2222	
Injun Sand			2222	2222	
Shale			2154	2222	
Log Total Depth				2222	

(Attach separate sheets as necessary)

Devon Energy Corporation
 Well Operator
 By: Neil Stearns
 Date: January 11, 1993

Note: Regulation 2.02(i) provides as follows:
 "The term 'Log' or 'Well Log' shall mean a systematic



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
Elevation: _____ Watershed: _____

5) LOCATION: District: _____ County: _____
Quadrangle: _____

6) WELL OPERATOR _____
Address _____

7) OIL & GAS ROYALTY OWNER _____
Address _____

8) SURFACE OWNER _____
Address _____

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

10) OIL & GAS INSPECTOR TO BE NOTIFIED _____
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, _____
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.	New	Used		
Conductor	8-3/4		30				
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
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.**

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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 _____