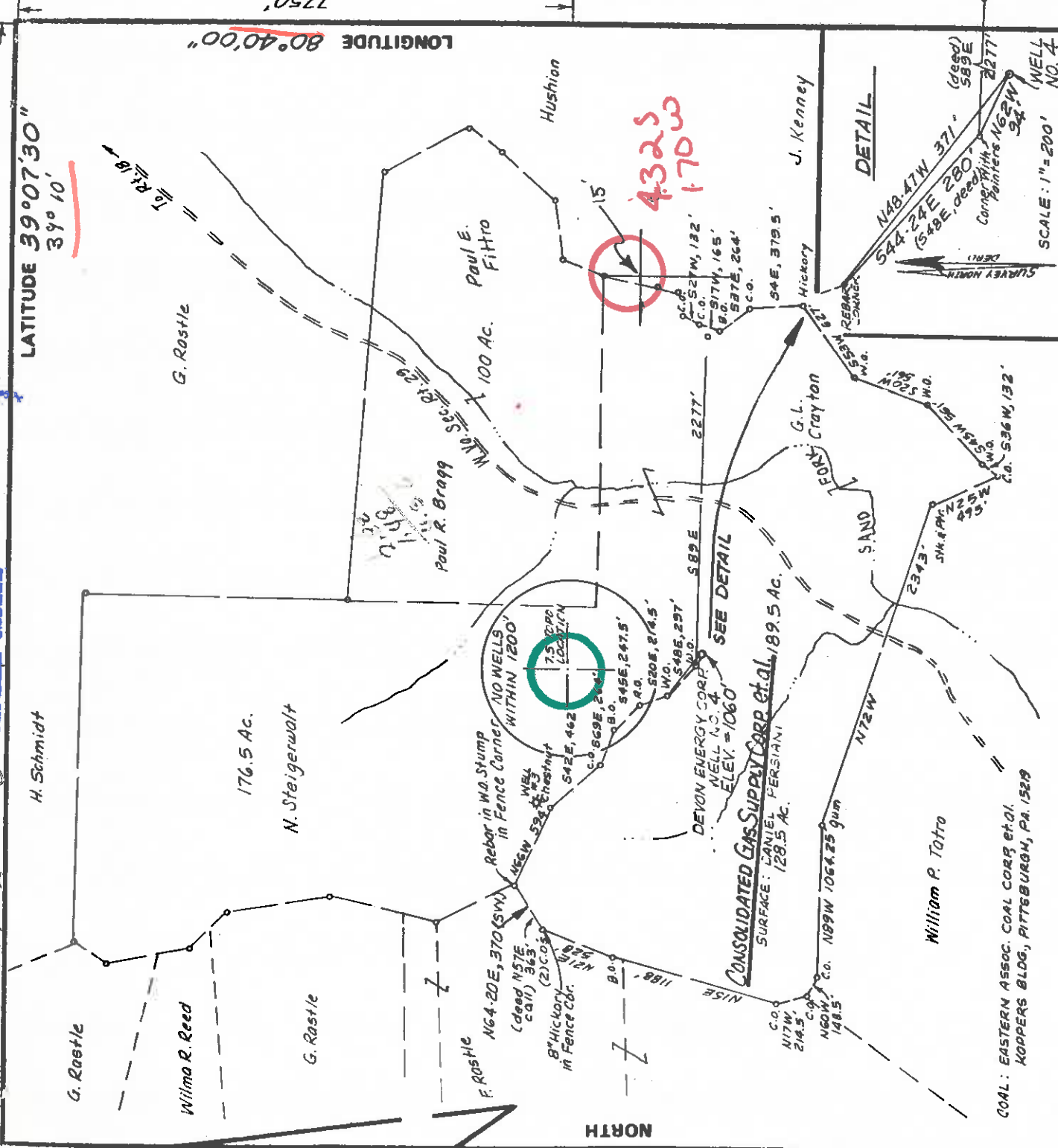


Plot Card CSD

111-1 N1412



LATITUDE 39°07'30" 39° 10'

LONGITUDE 80°40'00" 750'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNIFE 1900' ± NW OF LOCATION, ELEV. = 1228'

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. Mark C. Echard  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490

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



DATE SEPT 24 19 82  
 OPERATOR'S WELL NO. 2325  
 API WELL NO. KREEN #4  
47 - 017 - 3167  
 STATE COUNTY PERMIT

PLACE SEAL HERE

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 1060' WATER SHED SAND FORK  
 DISTRICT COVE COUNTY DODDRIDGE  
 QUADRANGLE VADIS 7.5' ACRES 128.5  
 SURFACE OWNER DANIEL PERSIANI  
 OIL & GAS ROYALTY OWNER CONSOLIDATED GAS SUPPLY CORP. ET AL. LEASE ACREAGE 466  
 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 BIG INJUN ESTIMATED DEPTH 2225  
 WELL OPERATOR DEVON ENERGY CORP. DESIGNATED AGENT MR. ART YOUSE  
 ADDRESS P.O. BOX 1433-1207 QUARRIER ST. ADDRESS CHARLESTON, W.VA. 25325  
CHARLESTON, W.VA. 25325

TRASCO

6-6 Conings (142)

OCT 25 1982



State of West Virginia

Department of Mines  
Oil and Gas Division

MAY 21 1983

Date January 12, 1983  
Operator's  
Well No. #2525  
Farm Krean #4  
API No. 47 - 017 - 5167

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / Shallow X /  
(If "Gas," Production X / Underground Storage / Deep /

LOCATION: Elevation: 1060 Watershed Sand 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 Daniel Persiani

ADDRESS 103 Greenbrier Dr., Carnegie, PA

MINERAL RIGHTS OWNER Consolidated Gas Supply

ADDRESS Box 2450, Clarksburg, WV 26301

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Jane Lew, WV

PERMIT ISSUED October 15, 1982

DRILLING COMMENCED November 12, 1982

DRILLING COMPLETED November 15, 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 Cord.			
13-10"			
9 5/8			
8 5/8	1055	1055	To Surface
7			
5 1/2			
4 1/2		2255	200 sax
3			
2		2139	
Liners used			

GEOLOGICAL TARGET FORMATION Injun Sand Depth 2225 feet

Depth of completed well 2280 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 2149-2159 feet

Gas: Initial open flow Shov Mcf/d Oil: Initial open flow            Bbl/d

Final open flow 850 Mcf/d Final open flow            Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 810 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

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

Perforated 4 1/2" casing 2149' to 2159' with 20 shots.  
 Fractured Injun Sand 11/19/82 using 60,000# sand, 655 BBLs. water and 125,000 SCF Nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	23	Including indication of all fire and salt water, coal, oil and c
Sand			23	68	
Shale			68	260	
Sand			260	274	
Shale			274	328	
Sand			328	341	
Shale			341	424	
Sand			424	474	
Shale			474	648	
Sand			648	682	
Shale			682	852	
Sand			852	911	
Shale			911	1158	
Sand			1158	1191	
Shale			1191	1264	
Sand.			1264	1274	
Shale			1274	1333	
Sand			1333	1345	
Shale			1345	1433	
Sand			1433	1502	
Shale			1502	1522	
Sand			1522	1530	
Shale			1530	1584	
Sand			1584	1632	
Shale			1632	1694	
Sand			1694	1707	
Shale			1707	1792	
Sand			1792	1842	
Shale			1842	1892	
Sand			1892	1918	
Shale			1918	1944	
Sand			1944	1954	
Shale			1954	1980	
Little Lime			1980	2002	
Blue Monday			2002	2036	
Pencil Cave			2036	2046	
Big Lime			2046	2104	
Injun Sand			2104	2190	
Shale			2190	2280	

Log Total Depth 2280  
 (Attach separate sheets as necessary)

Devon Energy Corporation  
 Well Operator

By: [Signature]  
[Signature]

Date: January 12, 1983

\_\_\_\_\_





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 \_\_\_\_\_