



FILE NO. B 64 P6
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1-200'
 PROVEN SOURCE OF ELEVATION USGS BM A-107 EL 615.0'

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.
 (SIGNED) C. S. [Signature]
 R.P.E. _____ L.S. 92

PLACE SEAL HERE

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



DATE AUG 22, 1981
 OPERATOR'S WELL NO. 995
 API WELL NO. _____
47 - 035 - 1604
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP X SHALLOW ___
 LOCATION: ELEVATION 909.00' WATERSHED COX FORK OF PARCHMENT CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY 7.5' & 15' SW
 SURFACE OWNER JANET HUDNALL WINTER ACREAGE 191
 OIL & GAS ROYALTY OWNER JANET HUDNALL WINTER LEASE ACREAGE 191
 LEASE NO. 4059
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

SEP 22 1981

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY SD. ESTIMATED DEPTH 5175
 WELL OPERATOR DEVON ENERGY CORP DESIGNATED AGENT ARTHUR C. YOUSE 192
 ADDRESS P.O. BOX 1433 CHARLESTON W.V. ADDRESS P.O. BOX 1433 CHARLESTON, W.V.A. 25325

RECEIVED



IV-35
(Rev 8-81)

JUN 11 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date June 4, 1982
Operator's
Well No. #995
Farm Janet Winter
API No. 47 - 035 - 1604

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 X / Shallow /)

LOCATION: Elevation: 909 Watershed Parchment Creek
District: Ripley County Jackson Quadrangle Ripley

COMPANY DEVON ENERGY CORPORATION

ADDRESS PO Box 1433, Charleston, WV

DESIGNATED AGENT Arthur C. Youse

ADDRESS Box 1433, Charleston, WV

SURFACE OWNER Janet H. Winter

ADDRESS Rt. 2, Box 100, Ripley, W. Va.

MINERAL RIGHTS OWNER Same as above

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK R. J.

Morris ADDRESS Grantsville, W. Va.

PERMIT ISSUED September 10, 1981

DRILLING COMMENCED May 5, 1982

DRILLING COMPLETED May 13, 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.			
18 1/2"	251	251	to surface
9 5/8			
8 5/8			
7	2292	505	430 feet
5 1/2			
4 1/2		5134	2438 feet
3			
2		5105	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 5175 feet

Depth of completed well 5190 feet Rotary xxx / 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 Oriskany Sand Pay zone depth 5093-5110 feet

Gas: Initial open flow 2 Mcf/d Oil: Initial open flow no Bbl/d

Final open flow 426 Mcf/d Final open flow Show Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1275 psig (surface measurement) after 96 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

(copy on reverse side)

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

Perforated 4-1/2" casing 5094-97 and 5103-5106 w/4 shot/ft.

Frac Oriskany Sand with 59,300# sand, 136,000 SCF nitrogen and 710 BBL water.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	21	
Shale			21	107	
Sand			107	117	
Shale			117	233	
Sand			233	255	
Shale			255	332	
Sand			332	438	
Shale			438	494	
Sand			494	510	
Shale			510	800	
Sand			800	825	
Shale			825	895	
Sand			895	920	
Shale			920	1081	
Sand			1081	1098	
Shale			1098	1207	
Sand			1207	1355	
Shale			1355	1400	
Sand			1400	1605	
Shale			1605	1822	
Maxon Sand			1822	1910	
Shale			1910	1920	
Big Lime			1920	2116	
Shale			2116	2145	
Injun Sand			2145	2285	
Shale			2285	2589	
Coffee Shale			2589	2611	
Berea Sand			2611	2617	
Shale			2617	3837	
Br. Shale			3837	4362	
Shale			4362	4802	
Marcellus Shale			4802	5000	
Onondaga L. S.			5000	5093	
Oriskany Sand			5093	5110	
Helderberg L. S.			5110	5191	Log T.D.

(Attach separate sheets as necessary)

DEVON ENERGY CORPORATION

Well Operator

By:

A. C. Youse

A. C. Youse, Area Expl. Mgr.

Date:

June 4, 1982

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 those encountered in the drilling of a well."



API #47 - 035 1604

WELL NO. 995

FARM Janet Winter

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

DATE 8/24, 1981

OIL AND GAS WELL PERMIT

WELL TYPE: Oil _____ / Gas XXX /
(If "Gas", Production XXX / Underground storage _____ / Deep XXX / Shallow _____)

LOCATION: Elevation: 909.00 Watershed: Parchment Creek
District: Ripley County: Jackson Quadrangle: Ripley

WELL OPERATOR Devon Energy Corporation
Address Post Office Box 1433
Charleston, W. Va. 25325

DESIGNATED AGENT Arthur C. Youse
Address Post Office Box 1433
Charleston, WV 25325

OIL & GAS
ROYALTY OWNER Janet H. Winter, et vir
Address Route 2, Box 100
Ripley, W. Va. 25271

COAL OPERATOR Not Operated
Address _____

Acreage 191 Acres

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same As Above

Name _____

Address _____

Address _____

Acreage _____

Name _____

FIELD SALE (IF MADE) TO: Devon Pipeline Company

Address _____

Address Post Office Box 1433

Charleston, W. Va. 25325

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Name Richard J. Morris

Address _____

Address P. O. Box 372

Grantsville, W. Va. 26147

Phone 354-7259

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease XXX

other contract _____ / dated April 15, 1977, to the undersigned well operator from Janet H. Winter,

et vir

(If said deed, lease, or other contract has been recorded:)

Recorded on _____, 19____, in the office of the Clerk of the County Commission of Jackson County, West

Virginia, in Lease Book 144 at page 212. A permit is requested as follows:

PROPOSED WORK: Drill XXX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /

Plug off old formation _____ / Perforate new formation _____ /

Other physical change in well (specify) _____

—planned as shown on the work order on the reverse side hereof.

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.

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY
TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1015 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

DEVON ENERGY CORPORATION

Well Operator

By Arthur C. Youse
District Exploration Manager

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Clint Hurt & Associates
Address Post Office Box 388
Elkview, W. Va. 25071

GEOLOGICAL TARGET FORMATION, Oriskany Sand

Estimated depth of completed well, 5175 feet Rotary XXX / Cable tools _____ /

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

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

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	For drilling	Left in well		
Conductor									Kinds
Fresh Water	9-5/8		32	X		250	250	100 Sax =	To Surface
Coal									Sizes
Intermediate	7"		20	X		2300	750	75 Sax =	650 Feet
Production	4-1/2		11.6	X			5175	225 Sax = <i>into 7"</i>	Depths set 2400 Feet
Tubing	2-3/8			X			5075		
Liners									Perforations:
									Top Bottom

NOTE: 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.

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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling _____. This permit shall expire if operations have not commenced by 5-10-82.

J. H. Huggins
Deputy Director - Oil & Gas Division

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 _____