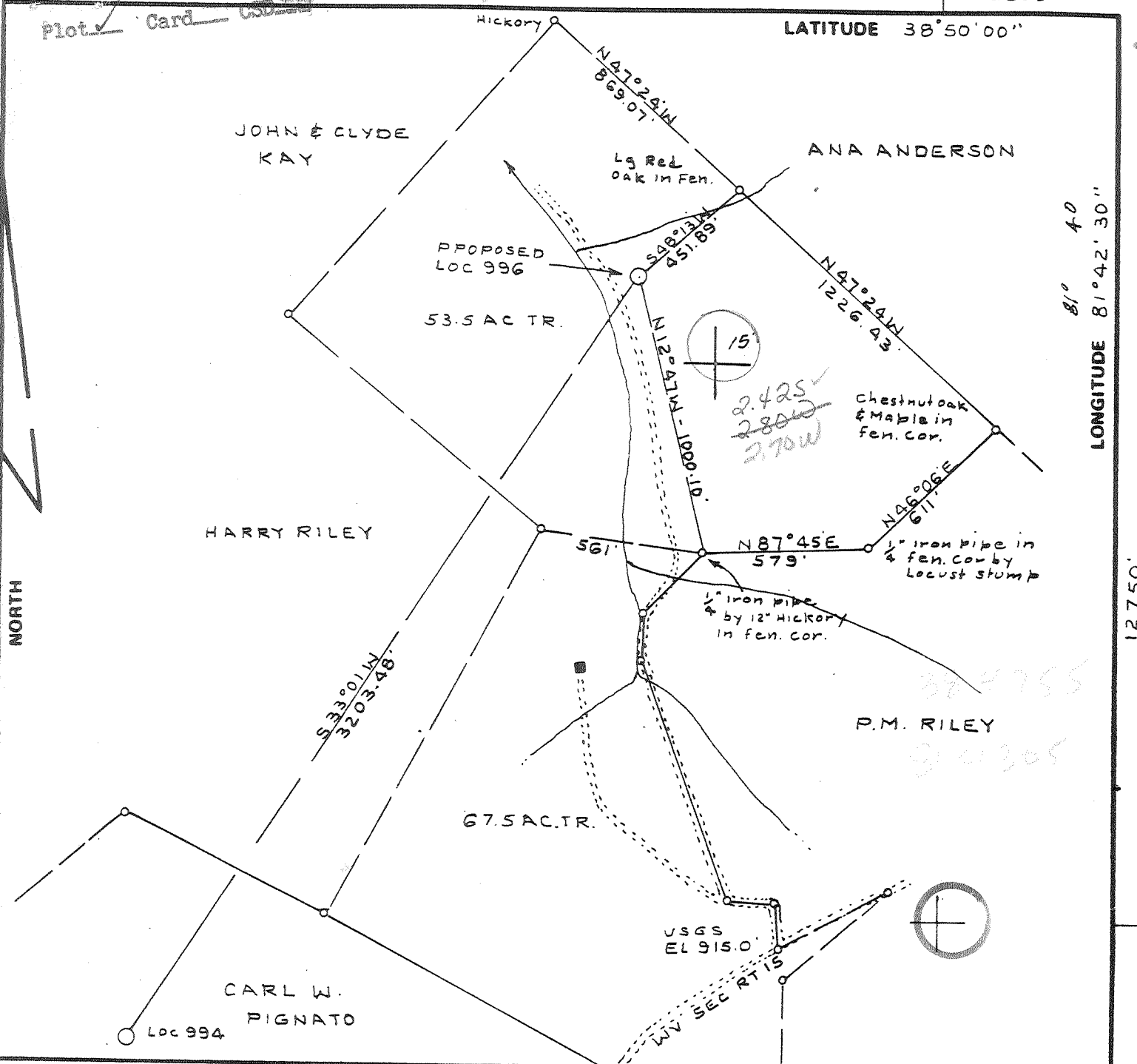


Plot Card

LATITUDE 38°50'00"

LONGITUDE 81°42'30"



FILE NO. BK 64 P 56
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 - 200'
 PROVEN SOURCE OF ELEVATION USGS Road Forks Southeast of Location
 Elevation EL 915.0'

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. Colley Jr.
 R.P.E. _____ V.L.S. 92

PLACE SEAL HERE

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



DATE SEPT 28, 1981
 OPERATOR'S WELL NO. 996
 API WELL NO. _____
47 - 035 - 1624
 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 X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 769.44 WATERSHED GRASS RUN OF PARCHMENT CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY 7.5' 415 SW
 SURFACE OWNER HARRY W. RILEY, JR. ACREAGE 225
 OIL & GAS ROYALTY OWNER HARRY W. RILEY, JR. LEASE ACREAGE 225
 LEASE NO. 4379
 PROPOSED WORK: DRILL X 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 ORISKANY SD. ESTIMATED DEPTH 5050 FLK POCA
 WELL OPERATOR DEVON ENERGY CORP DESIGNATED AGENT ARTHUR C. YOUSE 192
 ADDRESS PO BOX 1433 ADDRESS P.O. BOX 1433
CHARLESTON, W.VA. 25325 ADDRESS CHARLESTON, W.VA. 25325

DEEP WELL

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

Perforated 4-1/2" casing 4952-4957 & 4967-4971 in Oriskany. Frac Oriskany 12/18/81 with 60,000# sand and 910 bbls water. Oriskany Sand not commercial after treatment. Set bridge plug in 4-1/2" casing at 4250' with 10' cement plug on top. Perforated Devonian Shale 4068' to 4164' with 23 shots. Frac Devonian Shale 5/5/82 with 355 bbls water, 75,000# sand and 600,000 SCF nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			0	200	
Sand			200	328	
Shale			328	389	
Sand			389	400	
Shale			400	777	
Sand			777	798	
Shale			798	1115	
Sand			1115	1242	
Shale			1242	1312	
Sand			1312	1485	
Shale			1485	1718	
Sand			1718	1790	
Big Lime			1790	1960	
Shale			1960	2004	
Injun Sand			2004	2095	
Shale			2095	2427	
Coffee Shale			2427	2452	
Berea Sand			2452	2460	
Shale			2460	3678	
Brown Shale			3678	4208	
Shale			4208	4650	
Marcellus Shale			4650	4848	
Onondaga L. S.			4848	4952	
Oriskany Sand			4952	4974	
Helderberg L. S.			4974	5003	
Log Total Depth				5003	

(Attach separate sheets as necessary)

DEVON ENERGY CORPORATION

Well Operator

By: A. C. Youse
 A. C. Youse, Area Expl. Mgr.
 Date: December 14, 1981

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 coal, encountered in the drilling of a well."



API #47 -035- 1624

WELL NO. 996

FARM Harry W. Riley, Jr.

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

DATE 9/28, 19 81

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 769.44 Watershed: Grass Run of Parchment Creek
District: Ripley County: Jackson Quadrangle: Ripley 7 1/2

WELL OPERATOR DEVON ENERGY CORPORATION
Address P. O. Box 1433
Charleston, W. Va. 25325

DESIGNATED AGENT Arthur C. Youse
Address P. O. Box 1433
Charleston, W. Va. 25325

OIL & GAS ROYALTY OWNER Harry W. Riley, Jr.
Address 33 Fordham Road
Pennsville, N. J. 08070

COAL OPERATOR Not operated
Address _____

Acreage 172.75 ac

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same as above

Name _____

Address _____

Address _____

Acreage 172.75 ac

Name _____

FIELD SALE (IF MADE) TO: Devon/Eason Pipeline Co.

Address PO Box 1433
Charleston, W. Va. 25325

Address _____

RECEIVED
OCT 14 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Richard J. Morris
Address P. O. Box 372
Grantsville, W. Va. 26147

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease XX / other contract _____ / dated March 26, 19 77, to the undersigned well operator from Harry W. & Elizabeth Riley
(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 143 at page 634. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

DEVON ENERGY CORPORATION
Well Operator
By A. C. Youse
A. C. Youse,
Dist. Exp. Mgr.

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 & Assoc.
Address P. O. Box 388
Elkview, W. Va.

GEOLOGICAL TARGET FORMATION, Oriskany Sand

Estimated depth of completed well, 5050 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 XXX /

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			X		200	200	125 sax	to surface
Coal									Sizes
Intermediate	7			X		2175	750	75 sax	= 650 feet
Production	4 1/2			X			5050	225 sax or into 7"	Depths set 2400 feet
Tubing	2 3/8			X			4950		
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 6-22-82.

J. J. Muzey
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 _____