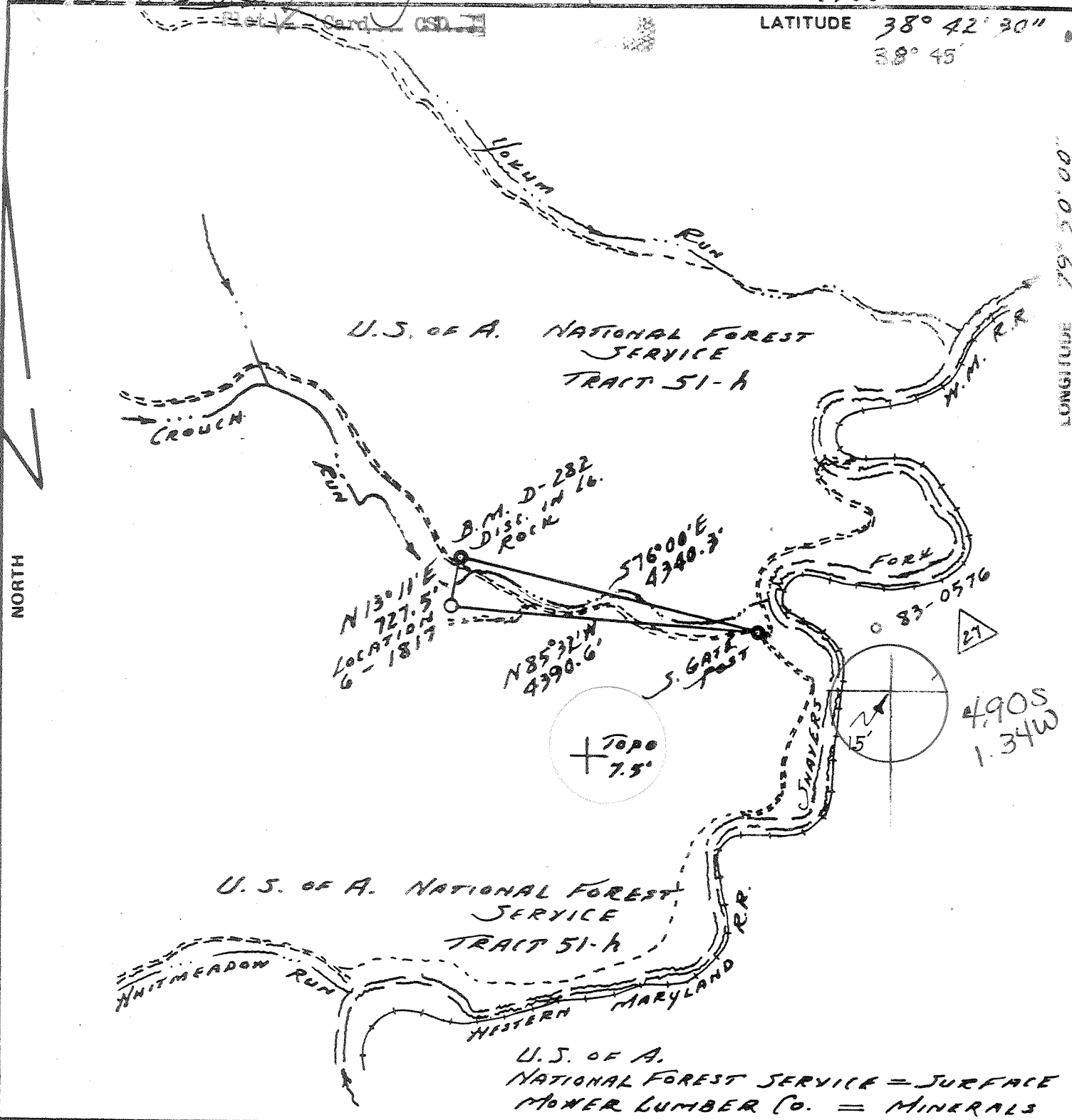


M. J. 2/13/82

LATITUDE 38° 42' 30"
38° 45'

LONGITUDE 79° 50' 00"



FILE NO. UDI 2-66
 DRAWING NO. 82-25
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 3000
 PROVEN SOURCE OF ELEVATION B.M. ON PLAT
D-282 = 3614

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) Thomas F. Weaver, Jr.
 R.P.E. _____ L.L.S. 410

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 8, 1982
 OPERATOR'S WELL NO. 6-1817
 API WELL NO. _____
47 - 083 - 0711
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 3630 WATER SHED CROUCH RUN OF SHAVERS FORK
 DISTRICT HUTTONSVILLE COUNTY RANDOLPH
 QUADRANGLE WILDELL Durbin 15' NC
 SURFACE OWNER U.S. OF A. NATIONAL FOREST SERVICE ACREAGE 43,305.73
 OIL & GAS ROYALTY OWNER MOWER LUMBER CO. LEASE ACREAGE 43,305.73
 LEASE NO. 1508
 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 ___ 5-5 Shavers Fork (369)
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8500'
 WELL OPERATOR UNION DRILLING INC. DESIGNATED AGENT UNION DRILLING, INC. AUG 16 1982
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON, W.VA. 26201 BUCKHANNON, W.VA. 26201

RECEIVED



IV-35
(Rev 8-81)

JAN 12 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date December 17, 1982
Operator's
Well No. 6-1817
Farm Mower Lumber Co. #6 (1817)
API No. 47 - 083 - 0711

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: 3630' Watershed Crouch Run of Shavers Fork
District: Huttonsville County Randolph Quadrangle Wildell

COMPANY Union Drilling, Inc.
ADDRESS P O Drawer 40, Buckhannon WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P O Drawer 40, Buckhannon WV 26201
SURFACE OWNER U. S. Forest Service
ADDRESS Monongahela Nat'l Forest Bartow, WV 24920
MINERAL RIGHTS OWNER Mower Lumber Co.
ADDRESS P O Box 27, Durbin WV 26264
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS P O Box 345, Jane Lew WV 26378
PERMIT ISSUED 8/13/82
DRILLING COMMENCED 9/8/82
DRILLING COMPLETED 10/7/82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	28'	28'	
9 5/8			
8 5/8	1006'	1006'	362
7			
5 1/2			
4 1/2	8700.41'	8700.41'	655
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Oriskany Depth 8505.5' feet
Depth of completed well 8776' feet Rotary x / Cable Tools
Water strata depth: Fresh 18' feet; Salt feet
Coal seam depths: 98' Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Oriskany Pay zone depth 8505.5' feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d
Final open flow 650 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 2300# psig (surface measurement) after 24 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

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

10/20/82 --- 8488-8505.5 --- Halliburton spotted 500 gallon MOD 202 acid

10/25/82 --- 8472', 8474.5', 8476.5' & 8479' --- Halliburton spotted 1000 gallon MOD 202 acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	7'	
Shale & Red Rock			7'	57'	3" stream water @ 18'
Sand & Shale			57'	98'	
Coal			98'	102'	Coal @ 98'
Sand & Shale			102'	1376'	
Big Lime			1376'	1600'	
Sand & Shale			1600'	2439'	
Fifth Sand			2439'	2566'	
Sand & Shale			2566'	3147'	
Balltown			3147'	3188'	
Sand & Shale			3188'	4027'	
Benson			4027'	4134'	
Sand & Shale			4134'	7873'	
Purcell			7873'	7886'	
Sand & Shale			7886'	8117'	
Onondaga			8117'	8154'	
Huntersville Chert			8154'	8333'	
Oriskany			8333'	8506'	
Helderberg			8506'	8776' TD	Show

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By: Joseph P. Petty
Joseph P. Petty, Vice President of Production

Date: December 17, 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 ... encountered in the drilling of a well."

Date: August 13, 19 82

TO BE HELD CONFIDENTIAL

Operator's Well No. 6 - 1817

API Well No. 47 - 082 -0711

State County Permit

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

Mower Lumber Co. #6 (1817)

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 3630 Watershed: Crouch Run of Shavers Fork
District: Huttonsville County: Randolph Quadrangle: Wildell

WELL OPERATOR UNION DRILLING, INC.
Address P. O. Drawer 40
Buckhannon, WV 26201

DESIGNATED AGENT UNION DRILLING, INC.
Address P. O. Drawer 40
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Mower Lumber Company
Address c/o Ralph McDonald
P. O. Box 27
Durbin, WV 26264

COAL OPERATOR Enviro Energy, Inc.
Address Durbin, WV 26264

Acreage 43,305.73

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Mower Lumber Company
Address c/o Ralph McDonald
P. O. Box 27
Durbin, WV 26264

SURFACE OWNER U. S. Forest Service
Address Monongahela National Forest
Acreage 43,305.73

FIELD SALE (IF MADE) TO:
Address Not Determined at this time

Name _____
Address _____
AUG 28 1982

OIL & GAS INSPECTOR TO BE NOTIFIED
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name Enviro Energy, Inc.
Address Box 165
Durbin, WV 26264

UDI Lease # 1508

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease other contract _____ / dated October 30, 19 81, to the undersigned well operator from Mower Lumber Company to Union Drilling, Inc.
(IF said deed, lease, or other contract has been recorded:)

Recorded on Nov. 4, 19 81, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed Book 341 at page 669. A permit is requested as follows:

PROPOSED WORK: Drill / 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

UNION DRILLING, INC.
Well Operator
By Joseph C. Petty
Its Joseph C. Petty, Vice President of Production

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.

Address P. O. Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 8500 feet Rotary X / Cable tools _____ /

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

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

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	11 3/4			X		60'	60'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"		24#	X		2250'	2250'	to surface	
Production	4 1/2"	N80	11.60#	X			8500'	850 sks. or as req. by rule 15.01	Depths set
Tubing									
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,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 4-13-83

BY [Signature]

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 _____