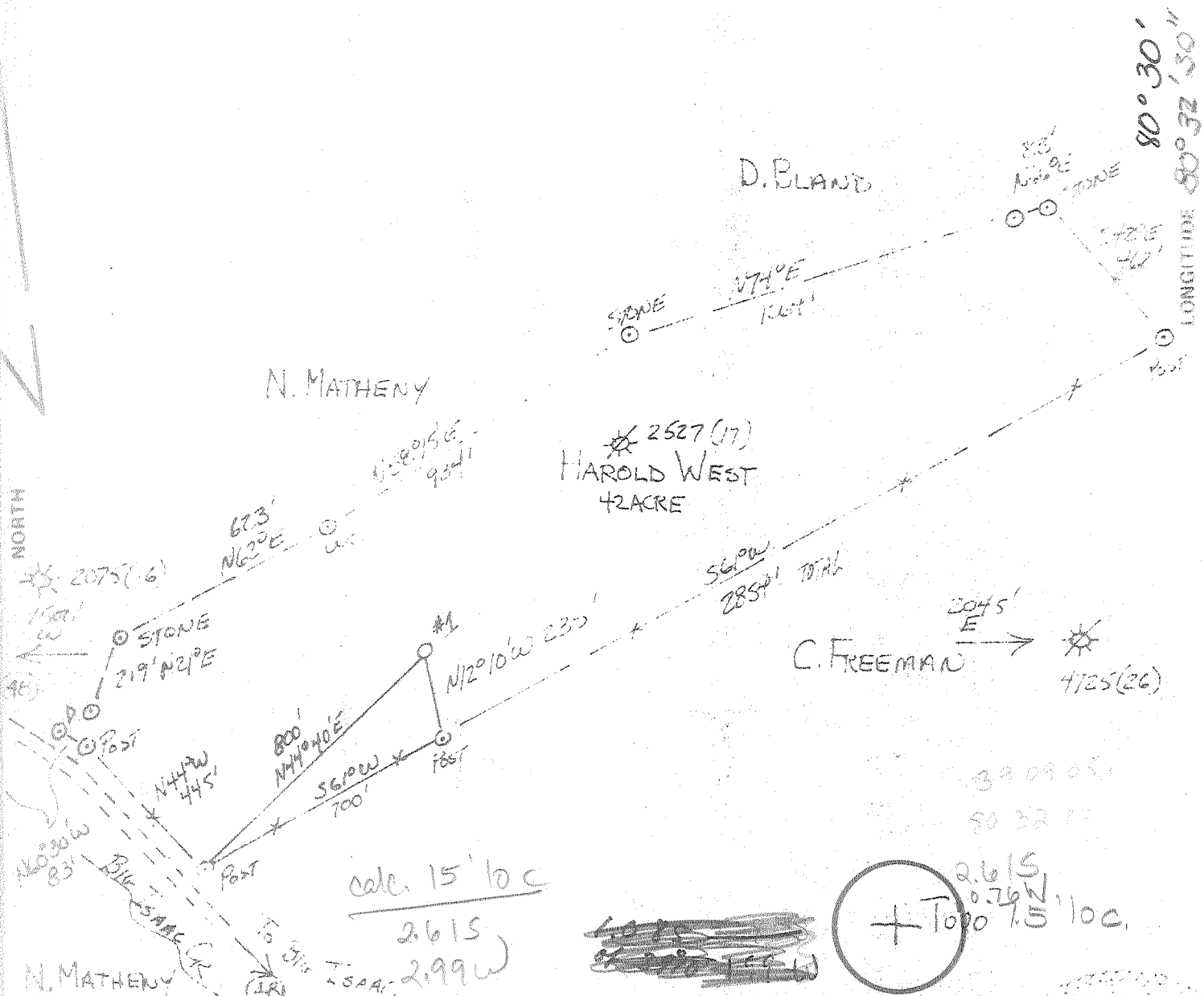


LATITUDE 39° 15'



FILE NO. _____
 DRAWING NO. 7-19-79 B
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION 2 OF ROADS
1/4 MILE NW (104)

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) Halter P. Lepert
 R.P.E. 7410 L.L.S. _____

PLACE SEAL HERE

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



DATE 7/19/79
 OPERATOR'S WELL NO. R-L-275
 API WELL NO. _____
47 - 017 - 2482
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1245 WATER SHED BIG ISAAC CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7 1/2 VADIS 15' NE
 SURFACE OWNER Robert B. Pugh ACREAGE 42
 OIL & GAS ROYALTY OWNER HAROLD WEST LEASE ACREAGE 42
 LEASE NO. _____
 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 Marathon ESTIMATED DEPTH 3'
 WELL OPERATOR DORRIS ASSOCIATES, INC. DESIGNATED AGENT _____
 ADDRESS 728 Washington Road ADDRESS _____
PO Box 15278 _____

SEP 24 1979

6-6 BIG ISAAC 447 (146)



Handwritten notes and date: Jan 14 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Big Isaac 7 1/2

Permit No. 47-017-2482

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Doran & Associates, Inc.
Address 728 Washington Road, Pgh., PA 15228
Farm Harold West Acres 42
Location (waters) Big Isaac Creek
Well No. #1 K-L-275 Elev. 1245
District Greenbrier County Doddridge
The surface of tract is owned in fee by Robert R. & Mary Paugh
Address 80 W. High Street, Salem, WV 26426
Mineral rights are owned by H. B. & Martha V. West
et al Address Rt. 3, Box 147, Coudersport PA 16915
Drilling Commenced 9-17-79
Drilling Completed 9-23-79
Initial open flow 268 m. cu. ft. _____ bbls.
Final production 1050 m. cu. ft. per day _____ bbls.
Well open 4 hrs. before test. 2000# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	1384'	1384'	250
6 1/2			
4 1/2	2968'	2968'	230
3			
2			
Liners Used			

Attach copy of cementing record.

Stimulation Record:

Date:	Interval Perforated:	From	To	Amt. Fluid	Amt. Sand
10-16-79		5240	5347	601 BBLS	60,000#

Coal was encountered at 430', 697', 767' Feet _____ Inches
Fresh water 25' Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander Depth 5345

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	15		
Sandy Shale - Red Rock			15	55		F. W. @ 25'
Sand			55	75		
Sandy Shale - Red Rock			75	170		
Sand			170	430		
Coal			430	433		
Sand			433	475		
Sandy Shale			475	600		
Sand			600	625		
Sandy Shale			625	697		
Coal			697	699		
Sand			699	735		
Sandy Shale			735	767		
Coal			767	770		
Sandy Shale - Red Rock			770	915		
Sand			915	955		
Shale - Red Rock			955	1290		
Sand			1290	1360		
Shale			1360	1445		
Sand			1445	1535		
Sandy Shale			1535	2050		
Lime			2050	2090		
Shale - Red Rock			2090	2110		
Big Lime			2110	2180		

(over)

* Indicates Electric Log tops in the remarks section.

FEB 15 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			2180	2275		
Sandy Shale			2275	2710		
Sand			2710	2775		
Sandy Shale			2775	2800		
Sand			2800	2865		
Sandy Shale			2865	3825		
Sand			3825	4050		
Sandy Shale			4050	4980		
Sand			4980	5005		
Sandy Shale			5005	5300		
Sand			5300	5350		
Sandy Shale	ALEX.		5350	5524		
Drillers T.D.				5524		
Upper Speechley			3605	3630		
Speechley			3710	3750		
Balltown			3860	3890		
Benson			5020	5060		
Alexander			5340	5420		
Loggers T.D.				5543		

Date: Jan 4 1980

APPROVED Donald R. Laughlin Owner

By Donald R. Laughlin, Manager-Prod., Eng.

(Title)

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

Date: August 3, 1979, XX

FORM IV-2
(Obverse)

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. _____

API Well No. 47 - 017 - 2482
State County Permit

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

LOCATION: Elevation: 1245 Watershed: Big Isaac Creek
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7 1/2

WELL OPERATOR Doran & Associates, Inc.
Address 728 Washington Road
Pittsburgh, PA 15228

DESIGNATED AGENT Alvin Sorcan
Address Rt. 4, Box 444
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER See Attached Sheet

COAL OPERATOR Virginia Tetrick
Address: Union National Center West
Clarksburg, WV 26301

Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Virginia Tetrick
Address Union National Center West
Clarksburg, WV 26301

SURFACE OWNER Robert R. Paugh & Mary Paugh
Address 80 W. High Street
Salem, WV 26426

Name _____
Address _____

Acreage 41 acres and 42 poles

FIELD SALE (IF MADE) TO:
Name Not known
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A Consolidation Coal Co.
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, WV 26201
304-622-3871

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated March 14, 19 79, to the ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ R. & P. Associates by Harold B. West, et ux

If said deed, lease, or other contract has been recorded:]
Recorded on April 30, 19 79, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in _____ Book 108 at page 350. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

RECEIVED
SEP - 6 1979

--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
100 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-2097

BLANKET BOND

Weldon C. Doran, Jr.
Well Operator

By _____
Its _____

