



10-2-80

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED
OCT - 1 1980

OIL AND GAS WELL PERMIT APPLICATION & GAS DIVISION
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 25, 1980

Surface Owner James Doan
Address Box 19-A, Middlebourne, WV
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator None
Address _____

Company L&M Petroleum Co.
Address Rt. #1, Marietta, OH 45750
Farm James Doan Acres 455.5
Location (waters) Middle Island Creek
Well No. 1 Elevation 946'
District Ellsworth County Tyler
Quadrangle Middlebourne

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 6-3-81.

INSPECTOR
TO BE NOTIFIED Phil Tracy
ADDRESS Middlebourne, WV
PHONE 758 4573

J. E. Hursey
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Dec. 19 1979 by James Doan made to Clarence Mutschelknaus and recorded on the _____ day of _____ 19____, in Tyler County, Book 222 Page 564
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, L&M Petroleum Co.
(Sign. Name) Jeanne Coogan Asst. Sec.
Well Operator
Rt. #1, Box 18-B
Street
Marietta
City or Town
Ohio 45750
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit recording the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-095-0864

12/22/2023

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Richard Hudson
 ADDRESS _____ ADDRESS Parkersburg, WV 26101
 TELEPHONE _____ TELEPHONE 304-422-7208
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT PUT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250		125 sx
7			
5 1/2			
4 1/2	TD	TD	400 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt hereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

12/22/2023

 For Coal Company

 Official Title

BANKET BOND

Form IV-9
(01-80)

Date September 25, 1980
Well No. 1
API No. 47 - 095 - 0864
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name L & M Petroleum Co. Designated Agent Richard Hudson
Address Rt. #1, Marietta, Ohio Address Parkersburg, WV
Telephone 614-373-8771 Telephone 304-422-7208
Landowner James Doan Soil Cons. District Upper Ohio
Revegetation to be carried out by Upper Ohio S.C.D. (Agent)

This plan has been reviewed by Kenneth R. Mason SCD. All corrections
and additions become a part of this plan. 9/30/80 Kenneth R. Mason
(Date) (SCD Agent)

Access Road	Location
Structure <u>Culvert</u> (A)	Structure <u>Diversion Ditch (1)</u>
Spacing <u>12" at driveway.</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>1-8</u>	Page Ref. Manual <u>1-11</u>
Structure <u>Diversion Ditch</u> (B)	Structure _____ (2)
Spacing <u>EARTHEN</u>	Material _____
Page Ref. Manual <u>1-11</u>	Page Ref. Manual _____
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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All structures should be inspected regularly and repaired if necessary.



OIL & GAS DIVISION
DEPT. OF MINES

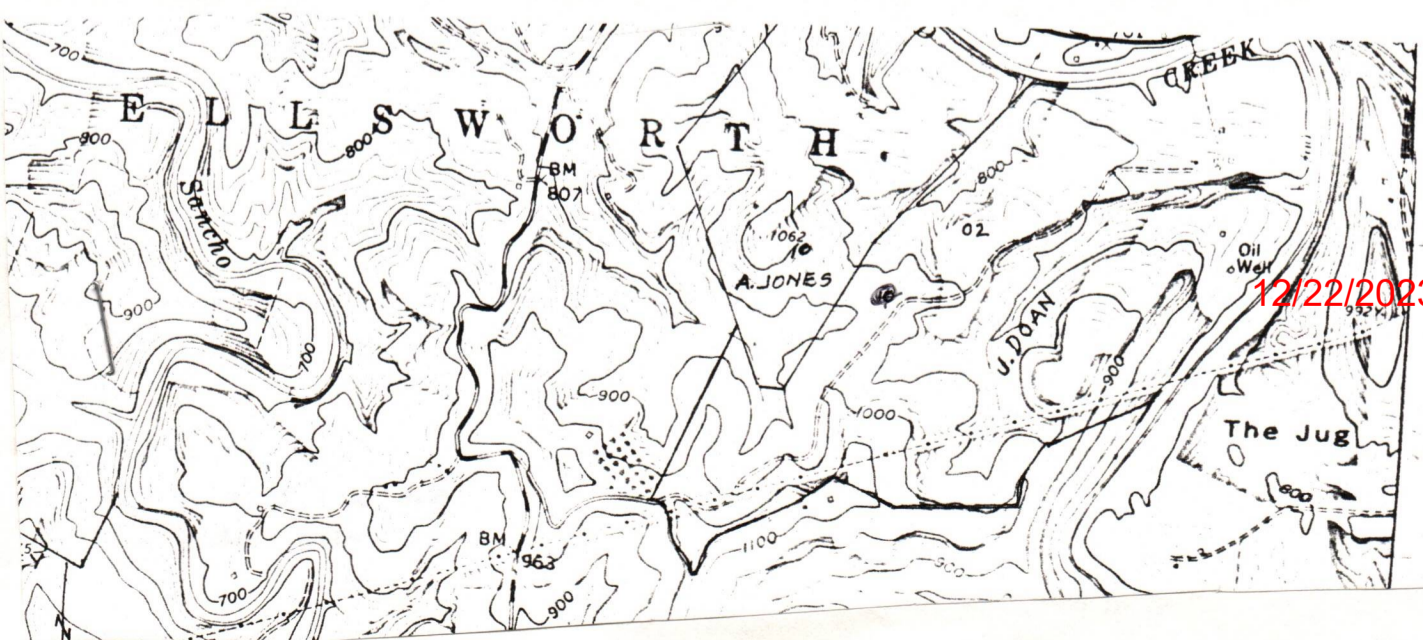
Revegetation

Treatment Area I	Treatment Area II
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime <u>NA</u> Tons/Acre or correct to pH _____
Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)	Fertilizer _____ lbs/acre (10-20-20 or equivalent)
Mulch <u>Hay or Straw</u> 2 Tons/Acre	Mulch _____ Tons/Acre
Seed* <u>KY#31 tall fescue</u> 30 lbs/acre	Seed* _____ lbs/acre
<u>Birdsfoot trefoil</u> 10 lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle Middlebourne.

Legend:  Well Site
 Access Road



12/22/2023

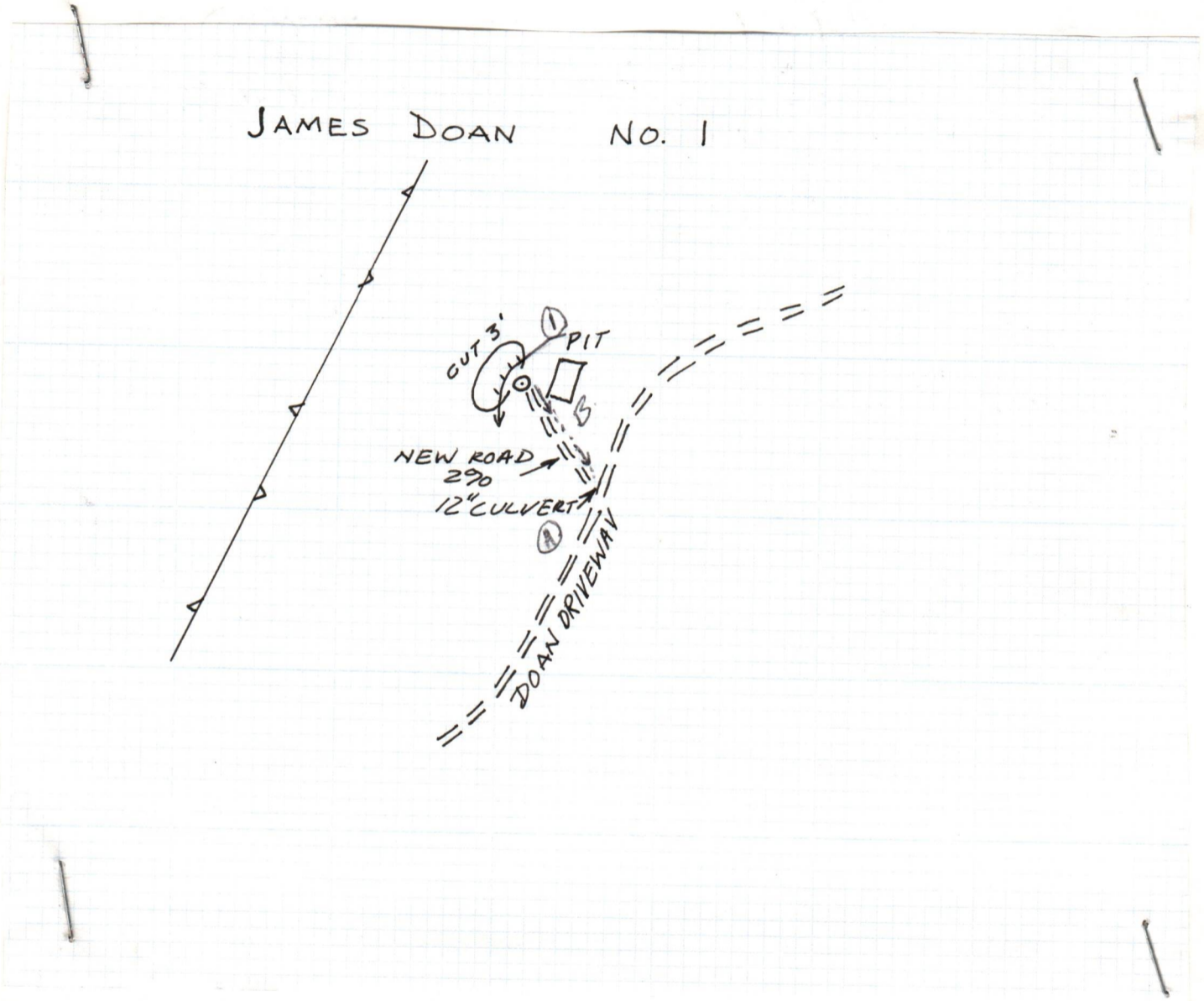
Well Site Plan

Legend:

- Property Boundry
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: Following completion of well drill pit will be filled in and the location reclaimed allowing only an area sufficient to operate the well. The disturbed area will be seeded, fertilized, and mulched as needed.

Signature: Joanne Cogan
Agent

Address

1-614-373-8771
12/22/2023

Please request landowners cooperation to protect new seeding for one growing season.

E. M. Penolaum, Inc.
Rd. #1 Newport Pike
Marietta, Ohio 45750



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

00G-0858

June 14, 1984

Petroleum Development Corporation
P. O. Box 26
Bridgeport, WV 26330

Attn: Mr. Steven R. Williams, President

Re: Lucy Morris #1 (47-095-0815)
James Doan #1 (47-095-0864)

Dear Mr. Williams:

This is in response to your letter of June 11, 1984, wherein you stated that you had been requested by the well owner (L & M Pet.) to assume operations of the subject wells and that you will include the wells under your blanket bond.

Please be advised that before these wells can be transferred to Petroleum Development we will have to have satisfactory evidence of transfer (Assignment, Bill of Sale, Operating Agreement, etc.) and a letter from your surety stating **expressly** that they will assume liability for these wells under their bond. The letter from the surety must have the Attorney-in-Fact's signature notarized and a Power of Attorney must be attached. Both the POA and the letter must have a '**raised**' surety seal affixed.

If you have any questions or if I can be of further assistance please feel free to call on me.

Sincerely yours,

Lois A. Simpkins

Lois A. Simpkins
Office of Oil and Gas
cc - L and M Petroleum

Robert Lowther, District Oil and Gas Inspector

12/22/2023



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

OOG-1040

November 2, 1984

Petroleum Development Corporation
P. O. Box 26
Bridgeport, WV 26330

Attn: Ms. Lisa Pendergrass

Re: 47-095-0815 (L & M Petroleum Co.)
47-095-0864 (L & M Petroleum Co.)

Dear Ms. Pendergrass:

The above captioned wells are being transferred to Petroleum Development Corporation inasmuch as this office has been furnished with '**satisfactory evidence of transfer**' (i.e. Assignment from L & M To Hughes, Wise, and Associates, Inc., and subsequent Operating Agreement from HWA to Petroleum Development Corp.)

We are also in receipt of a revised blanket bond (3-84) which automatically incorporates wells that "**has been or shall be assigned operating responsibility...**".

If I can be of further assistance please don't hesitate to call on me.

Sincerely yours,

Lois A. Simpkins

Lois A. Simpkins
Office of Oil and Gas

cc - Robert Lowther, District Oil and Gas Inspector
L and M Petroleum Company
Hughes, Wise, and Associates, Inc.

12/22/2023



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IV-35 (Rev 8-81)

JUN 6 - 1985

OIL & GAS DIVISION DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 5/31/85 Operator's Well No. #1 Farm James Doan API No. 47 - 095 - 0864

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 946' Watershed Middle Island Creek District: Ellsworth County Tyler Quadrangle Middlebourne 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION ADDRESS PO BOX 26, BRIDGEPORT, WV 26330 DESIGNATED AGENT STEVEN R. WILLIAMS ADDRESS PO BOX 26, BRIDGEPORT, WV 26330 SURFACE OWNER JAMES DOAN ADDRESS BOX 19-A, MIDDLEBOURNE, WV 26149 MINERAL RIGHTS OWNER JAMES DOAN ADDRESS BOX 19-A, MIDDLEBOURNE, WV 26149 OIL AND GAS INSPECTOR FOR THIS WORK ROBERT LOWTHER GENERAL DELIVERY ADDRESS MIDDLEBOURNE, WV 26149

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8 (252'), 7, 5 1/2, 4 1/2 (3933'), 3, 2, and Liners used.

PERMIT ISSUED 10/01/80 DRILLING COMMENCED 10/11/80 DRILLING COMPLETED 10/16/80

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

GEOLOGICAL TARGET FORMATION DEVONIAN SHALE Depth 4500 feet Depth of completed well 4000 feet Rotary xx / Cable Tools Water strata depth: Fresh n/a feet; Salt n/a feet Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA Producing formation WARREN, BEREA Pay zone depth 2861-3430 feet Gas: Initial open flow not taken Mcf/d Oil: Initial open flow Bbl/d Final open flow 27 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests hours Static rock pressure n/a psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

12/22/2023

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

(Continue on reverse side)

TYLER 0864

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

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OCT 16 1980

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 95-864

Oil or Gas Well
(KIND)

Company L & M Petroleum Co
 Address Marietta Ohio
 Farm James Dean
 Well No. 1
 District _____ County Tyler
 Drilling commenced _____
 Drilling completed _____ Total depth 3035
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

Oct 14 80
DATE

Chas. J. ...
12/22/2023
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

12/22/2023

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JUN 27 1985

**OIL & GAS DIVISION
DEPT. OF MINES**

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Company: PETROLEUM DEVE CORP
Farm: DOAN, JAMES

Well: 1

Permit No. 47- 95-0864 (10-03-80)
County: TYLER

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	✓	-----
25.04	Prepped before drillings to prevent waste	✓	-----
25.03	High pressure drillings	✓	-----
16.01	Required permits at wellsite	✓	-----
15.03	Adequate Fresh Water Casings	✓	-----
15.02	Adequate Coal Casings	✓	-----
15.01	Adequate Production Casings	✓	-----
15.04	Adequate Cement Strength	✓	-----
15.05	Cement Type	✓	-----
23.02	Maintained Access Roads	✓	-----
25.01	Necessary Equipment to Prevent Waste	✓	-----
23.04	Reclaimed Drillings Pits	✓	-----
23.05	No Surface or Underground Pollution	✓	-----
23.07	Requirements for Production & Gathering Pipelines	✓	-----
14.01	Well Records on Site	✓	-----
14.01	Well Records Filed	✓	-----
7.05	Identification Markings	✓	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED.

SIGNED R. H. Lawther
DATE June 25, 1985

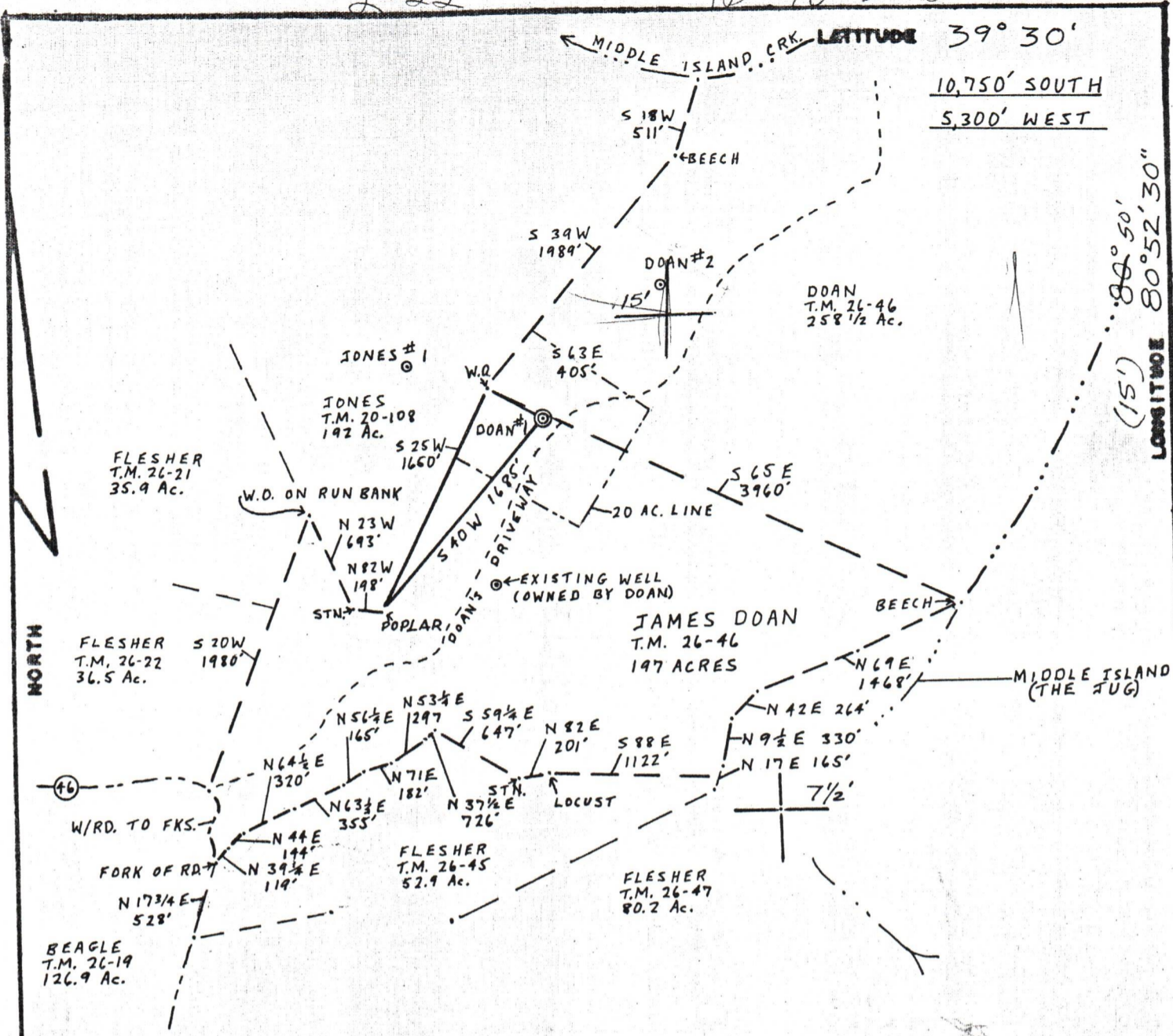
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator

July 3, 1985
Date

2-22

10-2-80

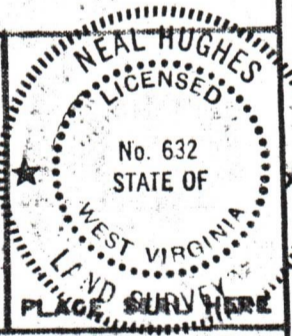


LATITUDE 39° 30'
 10,750' SOUTH
 5,300' WEST
 LONGITUDE 80° 52' 30"
 (151) 80° 50'

DOAN #1 - DOAN #2 1150'
 DOAN #1 - EXISTING WELL OWNED BY DOAN 1011'
 DOAN #1 - JONES #1 973'

FILE NO. L+M
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION KNOB 1062

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



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



DATE Sept 22, 19 80
 OPERATOR'S WELL NO 1
 API WELL NO 47-095-0864
 STATE COUNTY PERMIT

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 946' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE MIDDLE BOURNE 7 1/2' WEST UNION 15'
 SURFACE OWNER JAMES DOAN ACREAGE 197
 OIL & GAS ROYALTY OWNER JAMES DOAN LEASE ACREAGE 455.5
 LEASE NO. _____ DATE 12/22/2023
 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 Dunsmuir Shale ESTIMATED DEPTH 4500'
 WELL OPERATOR Don Tetlow & Co DESIGNATED AGENT Lillian A. Nelson
 ADDRESS 421 E. 18th St. Marietta, Ohio ADDRESS Industry, WV
614-373-8771 304-422-7308