



1) Date: June 7, 19 83
 2) Operator's Well No. Carpenter/Hart #4
 3) API Well No. 47 073 1690
 State County Permit

DRILLING CONTRACTOR:

NA

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 955 Watershed: Cow Creek
 District: Jefferson County: Pleasants Quadrangle: Schultz
- 6) WELL OPERATOR L&M Petroleum Co. 11) DESIGNATED AGENT Don Berry
 Address P.O. Box 89, Reno, OH 45773 Address Main St., Middlebourne, WV 304-758-4044
- 7) OIL & GAS ROYALTY OWNER See attached 12) COAL OPERATOR NA
 Address _____ Address _____
- 8) SURFACE OWNER E. Dennis 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address St. Marys, WV Name NA
 Acreage XX 49 Address _____
 Name NA
- 9) FIELD SALE (IF MADE) TO: NA
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther Address _____
General Delivery
Middlebourne, WV 25149 758-4764
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Upper Devonian/Hampshire Formation
- 17) Estimated depth of completed well, 5000 feet
 18) Approximate water strata depths: Fresh, NA feet; salt, NA feet.
 19) Approximate coal seam depths: NA Is coal being mined in the area? Yes _____ No _____

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 OIL & GAS DIVISION
 DEPT. OF MINES

20) 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					250	250	150	Kinds <u>by Rate 150</u>
Fresh water									
Coal									Sizes
Intermediate	8 5/8					1900	1900	120	
Production	4.5					5000	5000	250	Depths set <u>at 15-01</u> <u>by Rate 15-01</u>
Tubing									Perforations:
Liners									Top Bottom

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)
 24) 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.

Notary: [Signature]
 My Commission Expires 8/2/83
 Signed: Norma Anderson
 Its: Norma Anderson/Asst. Secretary

OFFICE USE ONLY
DRILLING PERMIT
 Permit number 47-073-1690 Date July 12 1983
02/16/2024

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)
 Permit expires March 12, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>3215</u>
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[Signature]
Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.**

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.

02/16/2024

Date: _____, 19____

By _____

Its _____

DIVISION OF OIL AND GAS INTEREST
CARPENTER/HART #1

3.1250% LO J. Franklin Carpenter
400 Morgan Ave.
St. Marys, WV 26170

6.2500% LO Leonard and Doris Hart
110 George St.
St. Marys, WV 26170

.3906% LO Marguerite ^{on lot.} Hammett
704 - 2nd St.
St. Marys, WV 26170

.3906% LO Thomas N. Hammett
RT #3
St. Marys, WV 26170

.3906% LO Ellen G. Hammett
704 - 2nd St.
St. Marys, WV 26170

.3907% LO Annie C. Shrier
RT #2
Inola, Oklahoma 74036

.7812% LO Edward F. Nole
7135 E. Easton Place
Tulso, Oklahoma 74111

.7813% LO Savilla J. Nole
RT #4
Belle Vernon, PA 15012

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JUN - 8 1983

OIL & GAS DIVISION
DEPT. OF MINES



IV-9
(Rev 8-81)

DATE June 7, 1983
WELL NO. CARPENTER HART #4
API NO. 47 - 073 - 1690

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME L&M Petroleum Co. DESIGNATED AGENT Don Berry
Address P.O. Box 89, Reno, OH 45773 Address Main St., Middlebourne, WV
Telephone 614-373-8771 Telephone 304-758-4044
LANDOWNER Carpenter/Hart SOIL CONS. DISTRICT Upper Ohio
Revegetation to be carried out by Ken Mason (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections
and additions become a part of this plan: 6/8/83
(Date)
Ken Mason
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>DIVERSION DITCH</u> (A)	Structure <u>DIVERSION DITCH</u> (1)
Spacing <u>100</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>1: 3, 4, 5</u>	Page Ref. Manual <u>1: 11</u>
Structure _____ (B)	Structure <u>SEDIMENT BARRIERS</u> (2)
Spacing _____	Material <u>BRUSH OR STONE</u>
Page Ref. Manual _____	Page Ref. Manual <u>1: 15</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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JUN 8 1983

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

OIL & GAS DIVISION
DEPT. OF MINES

REVEGETATION

Treatment Area I

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Seed* KY 31 fescue 40 lbs/acre
Flatpea 10 lbs/acre
_____ lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH _____

Fertilizer _____ lbs/acre
(10-20-20 or equivalent)

Mulch _____ Tons/acre

Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

02/16/2024

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

PLAN PREPARED BY Don Berry

ADDRESS Main St., Middlebourne, WV
304-758-4044

PHONE NO. _____

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

L&M ASSOCIATES, INC.

TO

L&M PETROLEUM CO.

RECEIVED

JUN - 8 1983

KNOW ALL MEN BY THESE PRESENTS:

OIL & GAS DIVISION
DEPT. OF MINES

That Charles Figge, President of L&M Associates, Inc., P O Box 89, Reno, OH 45773, for One Dollar (\$1.00) and other valuable consideration the receipt of which is hereby acknowledged does hereby sell, assign, transfer, and set over unto

L&M PETROLEUM CO.
P O Box 89
Reno, OH 45773

all their right, title, and interest in and to the following described Oil and Gas Leases:

Oil and Gas Leases unitized into a consolidation agreement dated September 13, 1982, as recorded in Pleasants County Deed Book 178, Page 53.

This assignment is made without Warranty of Title, expressed or implied.

WHEREFORE, this instrument has been executed this 28th day of February, 1982.

WITNESSES:

Norma Anderson

Sandra Joseph

Charles Figge

Charles Figge, President
L&M Associates, Inc.

STATE OF OHIO

ss

COUNTY OF WASHINGTON

On this 28th day of February, 1982, before me, the undersigned, a Notary Public in and for said County and State, personally appeared Charles Figge who acknowledged that he did execute the foregoing instrument and that same was his free act and deed.

Naoma Jean Britton
NOTARY PUBLIC

PREPARED BY: L&M Operating, Inc.
P O Box 89
Reno, OH 45773

NAOMA JEAN BRITTON
Notary Public, Washington Co., Ohio
My Commission Expires Aug. 2, 1983

02/16/2024

KNOW ALL MEN BY THESE PRESENTS:

That L&M Associates, Inc., P O Box 89, Reno, OH 45773, the contractual owners and holders of the Lessees' interest under the Oil and Gas Leases hereinafter described, do hereby elect to pool and unitize all or part of the lands covered by each of said oil and gas leases to form a drilling and/or production unit of 100 acres, more or less. Said leases are incorporated herein by reference and are made a part of hereof and are described as follows:

Oil and Gas Lease from J. Franklin Carpenter and Ellen Carpenter, husband and wife, dated September 29, 1977, as recorded in Pleasants County Deed Book 151, Page 142, covering 92 acres, more or less, 50 acres which are herein unitized.

Oil and Gas Lease from Leonard and Doris Hart, husband and wife, dated September 17, 1979, as recorded in Pleasants County Deed Book 153, Page 605; Oil and Gas Lease from Thomas H. and Mae Hammett, husband and wife; Ellen G. Hammett, single; Marquerite Hammett, widow and Annie C. and George Shrier, husband and wife, dated September 24, 1979, as recorded in Pleasants County Deed Book 153, Page 605; Oil and Gas Lease from Helen and Merle Davis, husband and wife, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 639; Oil and Gas Lease from Sheila and John Myers, husband and wife, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 641; Oil and Gas Lease from Agnes and Fred Vernet, husband and wife, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 643; Oil and Gas Lease from John T. and Nova Nole, husband and wife, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 645; Richard Nole, single, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 647; Oil and Gas Lease from Savilla Nole, widow, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 649; Oil and Gas Lease from Edward and Violet Irene Nole, husband and wife, dated March 17, 1982, as recorded in Pleasants County Deed Book 173, Page 651; Oil and Gas Lease from Robert Hammett, dated September 4, 1982, as received for recording on September 13, 1982, at the Pleasants County Records Office and being recorded in Deed Book 177, Page 629; said leases covering the same 50 acres, more or less, all of which are herein unitized.

The unit herein created of 100 acres in Jefferson District, Pleasants County, West Virginia, is further described on the survey plat which is attached hereto as Exhibit "A" and made a part hereof. Should it subsequently be determined by L&M Associates, Inc., that the title of any lease which has been unitized by this agreement is defective; and if such defective title cause additional leases not to be contiguous to the lease on which the well is drilled, the amount of acreage in this unit will be decreased to the extent of such defective title or titles caused not to be contiguous to the lease on which a well will be drilled, including leases disqualified as a result of defective title and the royalty divided on a pro-rata basis between the remaining members of the unit.

In accordance with the terms and conditions of the aforesaid Oil and Gas Leases, the distribution of the landowners' one-eighth (1/8th) royalty interest is to be as follows, but may be changed should title on other leases fail:

			02/16/2024
J. Franklin Carpenter	1/2 of 50.00/100.00	of 1/8th =	3.1250%
Leonard & Doris Hart	1/2 of 50.00/100.00	of 1/8th =	3.1250%
Leonard & Doris Hart	1/2 of 50.00/100.00	of 1/8th =	3.1250%
Marguerite L. Hammett	1/16 of 50.00/100.00	of 1/8th =	.3906%
Thomas N. Hammett	1/16 of 50.00/100.00	of 1/8th =	.3906%
Ellen G. Hammett	1/16 of 50.00/100.00	of 1/8th =	.3906%
Annie C. Shrier	1/16 of 50.00/100.00	of 1/8th =	.3907%

CONSOLIDATED AGREEMENT FOR THE CARPENTER, HART UNIT

BOOK 178 PAGE 54

Edward F. Nole	1/8 of 50.00/100.00 of 1/8th =	.7812%
Savilla J. Nole	1/8 of 50.00/100.00 of 1/8th =	.7813%
	100.00/100.00 of 1/8th =	12.5000%

The undersigned reserve the right to alter, amend or cancel this unit at anytime.

IN WITNESS WHEREOF, this instrument has been executed this 13th day of September, 1982.

WITNESSES:



Naoma Anderson

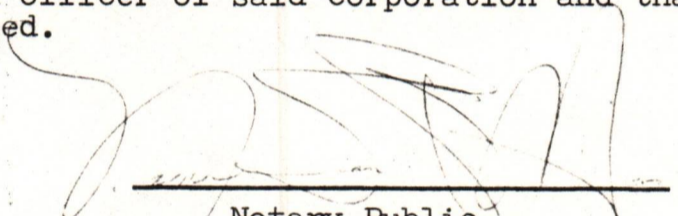
Joanne Cogan
Joanne Cogan, Secretary
L&M Associates, Inc.

STATE OF OHIO

ss:

COUNTY OF WASHINGTON

On this 13th day of September, 1982, before me, the undersigned a Notary Public in and for said County and State, personally appeared Joanne Cogan who acknowledged that she did execute the foregoing instrument as said officer of said corporation and that same was her free act and deed.



Notary Public
NAOMA JEAN BRITTON
Notary Public, Washington Co., Ohio
My Commission Expires Aug. 2, 1983

Prepared by L&M Operating, Inc.
P O Box 89
Reno, OH 45773

02/16/2024

well file

ASSIGNMENT AND BILL OF SALE OF INTEREST

RECEIVED

NOV 5 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

L&M ASSOCIATES, INC.

TO

TECHWELL, INC.

KNOW ALL MEN BY THESE PRESENTS:

That L&M Associates, Inc. , P O Box 89, Reno, OH 45773, for One Dollar (\$1.00) and other valuable consideration the receipt of which is expressly acknowledged, does hereby sell, assign, transfer, and set over unto

TECHWELL, INC.
165 Scott Ave.
Suite 102
Morgantown, WV 26505

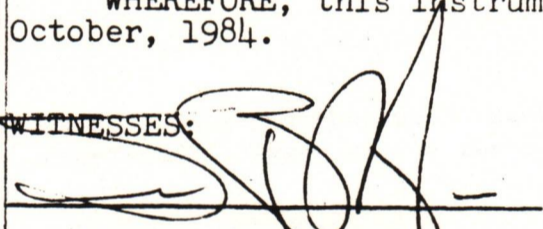
all his right, title, and interest in and to the following oil and gas well, equipment, gasline, and associated drill site as set out below:

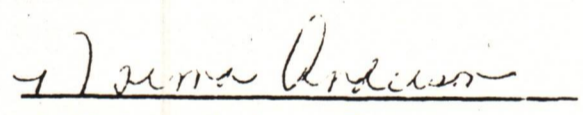
Carpenter/Hart #4, WV Permit #47-073-1690, located on Oil and Gas Leases unitized into a consolidation agreement dated September 13, 1982, as recorded in Deed Book 178, Page 53 of the Pleasants County Records office. Said assignment for twenty (20) acres, more or less, immediately surrounding the Carpenter/Hart #1 well location; said assignment extending 50' below the base of the Devonian Shale formation.

This assignment is made without Warranty of Title, expressed or implied.

WHEREFORE, this instrument has been executed this 3rd day of October, 1984.

WITNESSES:


Sandra Joseph

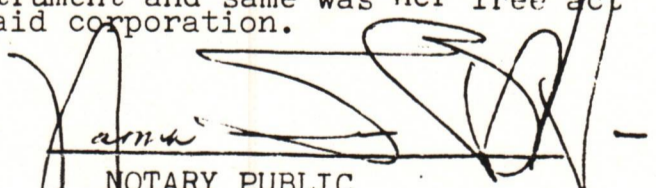

L&M Associates, Inc.
BY: Norma Anderson
Assistant Secretary

STATE OF OHIO

SS:

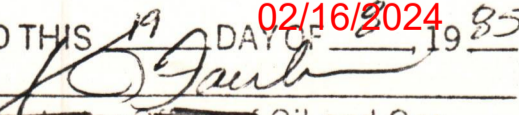
COUNTY OF WASHINGTON

On this 3rd day of October, 1984, before me, the undersigned a Notary Public in and for said County and State, personally appeared Norma Anderson who acknowledged that she did execute the foregoing instrument and same was her free act and deed as said officer of said corporation.


NOTARY PUBLIC

PREPARED BY: L&M Operating, Inc.
P O Box 89
Reno, OH 45773

NAOMA JEAN BRITTON, Notary Public
My Commission Expires Aug. 3, 1988

ACCEPTED THIS 19 DAY OF 02/16/2024 1985
BY: 
Oil and Gas

02/16/2024

RECEIVED

DEC 5 - 1983



IV-35 OIL & GAS DIVISION DEPT. OF MINES (Rev 8-81)

Date 11/29/83 Operator's Well No. Carpenter/Hart #4 Farm Carpenter/Hart #4 API No. 47-073-1690

State of West Virginia

Department of Mines Oil and Gas Division

RECEIVED

DEC 21 1983

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

DEPT. OF MINES

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

LOCATION: Elevation: 955 Watershed Cow Run District: Jefferson County Pleasants Quadrangle Schultz

COMPANY OHIO L&M CO., INC. ADDRESS P.O. Box 89, Reno, OH 45773 DESIGNATED AGENT Don Berry ADDRESS Main St., Middlebourne, WV 26149 SURFACE OWNER Ethel Dennis ADDRESS Rt. #2, St. Marys, WV MINERAL RIGHTS OWNER See attachment ADDRESS

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, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS General Delivery Middlebourne, WV PERMIT ISSUED 7/12/83

DRILLING COMMENCED 11/5/83 DRILLING COMPLETED 11/9/83

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5000 feet Depth of completed well 4400 feet Rotary x / Cable Tools Water strata depth: Fresh 187 feet, Salt 1515 feet Coal seam depths: 710, 900, 1110, 1170. Is coal being mined in the area? no

OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth 3600-3844 feet Gas: Initial open flow 50 Mcf/d Oil: Initial open flow -0- Bbl/d Final open flow 7.5 Mcf/d Oil: Final open flow -0- Bbl/d Time of open flow between initial and final tests 24 hours Static rock pressure 450 psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

02/16/2024

Second producing formation NA Pay zone depth NA feet Gas: Initial open flow NA Mcf/d Oil: Initial open flow NA Bbl/d Final open flow NA Mcf/d Oil: Final open flow NA Bbl/d Time of open flow between initial and final tests NA hours Static rock pressure NA psig (surface measurement) after NA hours shut in

(Continue on reverse side)

0691 CU27A

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

Well was frac'ed on 11/28/83 using 1.3 MMSCF Nitrogen; BD: 2250;
ATP: 2600#; RATE: 38 MSCF/mi; ISI:1750; 5 MIN: 1700; Perfs: 229 shots
from 3600' - 3844'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone, Shale, Siltstone			0	685	
Dunkard			685	691	
Cow Run-1st			830	850	
Cow Run-2nd			1050	1092	
Peaker			1200	1228	
Maxton			1296	1342	
Third Salt			1430	1488	
Big Injun			1650	1720	
Squaw			1752	1792	
Berea			2168	2172	
Gantz			2282	2300	
Thirty Foot			2408	2412	
Gordon			2660	2678	
Warren			3430	3458	
Speechly			3560	3578	
Ball town			3658	3684	
Riley			3840	3850	
Devonain Shale			3850	4400' T.D.	

(Attach separate sheets as necessary)

L&M Petroleum Co.

~~XXXXXXXXXXXXXXXXXXXX~~

Well Operator

By: Norma Anderson

Date: 11/29/83, Asst. Secretary 02/16/2024

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 all, encountered in the drilling of a well."

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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 073-1690

Oil or Gas Well _____
(KIND)

Company LAM petroleum
 Address Reno Ohio
 Farm Dennis
 Well No. 4
 District Jefferson County pleasant
 Drilling commenced 11-5-83
 Drilling completed _____ Total depth 1890
 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	253	253	Size of
8 1/4			
6 3/8	1866	1866	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 9 5/8 SIZE 253 No. FT. 11-5-83 Date
 NAME OF SERVICE COMPANY Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: _____

11-7-83
DATE

R.A. Louth
02/16/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

Drillers' Names _____

Remarks:

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

DATE

DISTRICT WELL INSPECTOR
02/16/2024

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

RECEIVED

NOV 16 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1690

Oil or Gas Well _____
(KIND)

Company LDM petroleum
 Address Reno 0
 Farm Dennis
 Well No. 4
 District Jefferson County Pleasant
 Drilling commenced _____
 Drilling completed 11-10-83 Total depth 5400
 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 5/8			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: _____

11-10-83
DATE

R. A. Louth
DISTRICT WELL INSPECTOR
02/16/2024

IV-20
Obverse
1-84

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS



MAR 28 1986

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
January 3, 1984

Techwell, Inc.
165 Scptt Avenue = Suite 102
Morgantown, West Virginia 26505

PERMIT NO 073-1690 (7-12-83)
FARM & WELL NO Carpenter/Hart, #4
DIST. & COUNTY Jefferson/Pleasants

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Well site		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

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

SIGNED R.A. Lowther
DATE Mar 26, 1986

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. [Signature]

Administrative - Oil & Gas Division 02/16/2024

April 2, 1986

2

1984

R.A. Franklin
Nov 24, 1984

Franklin

2045



IV-27
9-83

2044
DEPARTMENT OF ENERGY
OIL AND GAS

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: Mar 19 1986
Well No: 41
API NO: 47-073 1690
State County Permit

Energy

Oil and Gas Division

MAR 21 1986

NOTICE OF VIOLATION

WELL TYPE: Oil ___ / Gas Liquid Injection ___ / Waste Disposal ___ /
Of "Gas" - Production / Storage ___ / Deep ___ / Shallow

LOCATION: Elevation: ___ Watershed: Cow Creek
District: Jefferson County: Pleasant Quadrangle: Schully

WELL OPERATOR Teckell INC DESIGNATED AGENT Darius Zehrbach
Address P.O. Box 796 Address same
Morganloun W. Va. 26505

The above well is being posted this 19 day of Mar, 1986, for a
violation of Code 22-4-1.05 and/or Regulation By, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Failure to identify well by API number

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.
You are hereby granted until Mar 26, 1986 to abate this violation.
Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Luther
Oil and Gas Inspector

Address Middlebourne

W. Va.

Telephone: 758-4764

02/16/2024



IV 27
9-83
DEPARTMENT OF ENERGY
OIL AND GAS

Order No. 1872
Well No. 1872
API No. 41-073-1610
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

MAR 21 1988

WELL TYPE: Oil Gas Liquid Injection Waste Disposal
OF "Gas" - Production Storage Deep Shallow
LOCATION: Elevation: _____
District: _____
WELL OPERATOR: _____
Address: _____
The above well is being posted this 19 day of Mar 1988 for a violation of Code 22-4-17 and/or Regulation _____ set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Failure to identify well by API Number

A copy of this notice has been posted at the well site and sent by certified registered mail to the indicated well operator or his designated agent. You are hereby granted until March 25, 1988 to abate this violation. Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. [Signature]
Oil and Gas Inspector

Address _____

Initial _____

Telephone: 758-4764

02/16/2024



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

WALTER N. MILLER
DIRECTOR

RECEIVED
NOV 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

THEODORE M. STREIT
ADMINISTRATOR

OOG-1043

November 5, 1984

Ohio L and M Co., Inc.
P. O. Box 89
Reno, OH 45773

Attn: Ms. Norma Anderson

Re: 47-073-1690
Carpenter/Hart #4

Dear Ms. Anderson:

This is in response to your letter of November 2, 1984, relative to the transfer of the above subject well to Techwell, Inc.

Please be advised that this transfer cannot be completed until the surety for Techwell, Inc., assumes the liability for this well under their blanket bond coverage.

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

/las
cc - Techwell, Inc.

02/16/2024



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

OOG-1053

November 14, 1984

Techwell, Inc.
P. O. Box 796
Morgantown, WV 26505

Attn: Mr. Darus H. Zehrbach, Jr.

Re: 47-073-1690 (Carpenter/Hart #4

Dear Mr. Zehrbach:

This is in response to your letter of November 9, 1984, relative to the above subject well.

The status of this well remains the same as in my letter of November 5, 1984, to Ms. Norma Anderson of Ohio L and M Co., Inc. in that this well cannot be transferred to Techwell, Inc., until the surety on your bond submits a letter accepting this well under their bond. The letter must be signed by an Attorney-in-Fact, his/her signature must be notarized and there must be a Power of Attorney attached. Both the POA and the letter must have a 'raised' surety seal affixed.

Upon receipt of this letter we will proceed with the transfer of the well to Techwell, Inc.

If you have any questions please feel free to call on me.

Sincerely yours,

Lois A. Simpkins

Lois A. Simpkins
Office of Oil and Gas

/las

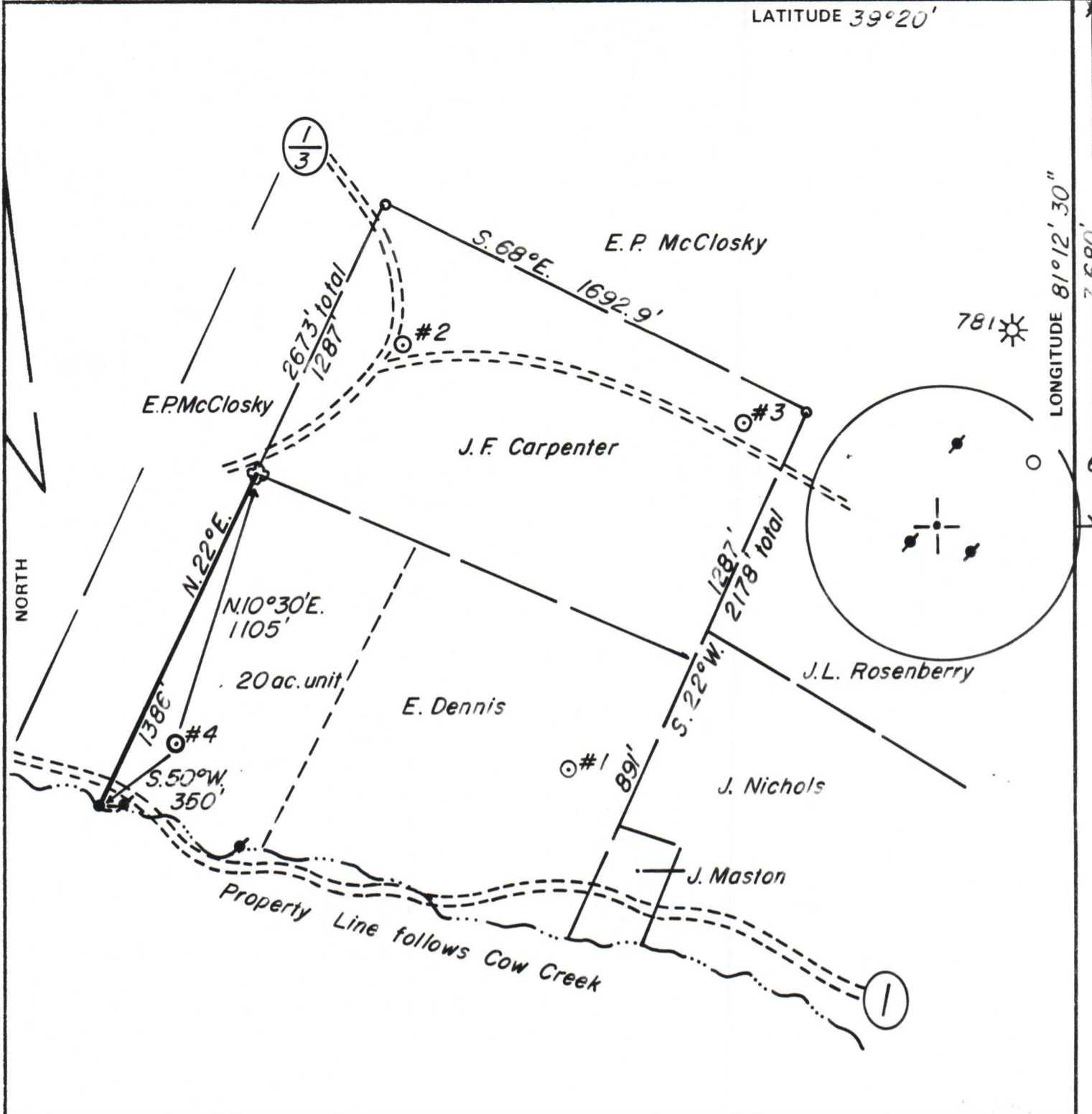
cc - Ms. Norma Anderson - Ohio L and M Co., Inc.

02/16/2024

LATITUDE 39°20'

2.000'

LONGITUDE 81°12'30"



FILE NO. 82-0242
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION B.M. 884

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) [Signature]
 R.P.E. _____ L.L.S. 699

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE Nov. 23 19 82
 OPERATOR'S WELL NO. Carp/Hart #4
 API WELL NO. _____
47 - 073 - 1690
 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 955 WATER SHED Cow Creek
 DISTRICT Jefferson COUNTY Pleasants
 QUADRANGLE Schultz
 SURFACE OWNER E. Dennis ACREAGE 49
 OIL & GAS ROYALTY OWNER J.F. Carpenter/Hart LEASE ACREAGE 100 02/16/2024
 LEASE NO. _____
 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 Upper Dev. Hampshire ESTIMATED DEPTH 4.500'
 WELL OPERATOR L&M Petroleum DESIGNATED AGENT: [Signature]
 ADDRESS P.O. Box 89 ADDRESS: Main Street
Reno, Ohio 45773 Middlebourne, WV



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia 25311
Telephone: 348-3500

ARCH A. MOORE, JR.
Governor

TO: Ohio L & M., Inc. & Techwell, Inc.
FROM: Theodore M. Streit *TMS*
SUBJECT: Completion of Transfer of Wells
DATE: August 21, 1985

This is to inform you that your request for transfer of wells has been completed. Please retain the enclosed copy of the OP-77 for your records.

Thank you for your cooperation in this matter.

TMS/grd

Enclosure : Assignment

02/16/2024