



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Clendenin

Permit No. KAN-2640

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

Company <u>Southeastern Energy Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Orlando, Florida</u>				
Farm <u>Margaret Y. Dickinson</u> Acres <u>2636</u>	Size			
Location (waters) <u>5 Mi. Fk. of Campbells Ck.</u>	<u>20-16</u>			
Well No. <u>1-10</u> Elev. <u>1312'</u>	Cond.			
District <u>Malden</u> County <u>Kanawha</u>	<u>13-10"</u>	<u>60</u>	<u>60</u>	
The surface of tract is owned in fee by _____	<u>9 5/8</u>			
<u>Margaret Dickinson</u>	<u>8 5/8</u>	<u>1950</u>	<u>1950</u>	
Address _____	<u>7</u>			
Mineral rights are owned by _____	<u>5 1/2</u>	<u>6452</u>	<u>6452</u>	
Address _____	<u>4 1/2</u>			
Drilling Commenced <u>6-7-73</u>	<u>3</u>			
Drilling Completed <u>7-18-73</u>	<u>2</u>			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand _____ Depth

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand - Shale			126	986		
Sand			986	1289		
Shale			1289	1510		
Sand - Quartz			1510	1610		
Sand - Shale			1610	1760		
Red Rock			1760	1784		
Sand - Shale			1784	1835		
Shale			1835	1843		
Big Lime			1843	1930		
Sand - Shale - Lime			1930	1957		
Lime			1957	2060		
Injun Gray			2060	2071		
Shale - Sand Red			2071	2107		
Sand - Shale Gray			2107	2130		
Sand			2130	2160		
Sand - Shale			2160	2349		
Sand - Shale			2349	5579		
Lime			5579	5688		
Oriskany Sand			5688	5725		
Lime - Sand			5725	5880		
Lime			5880	6436		
Lime - Shale			6436	6455		
Shale			6455	6485		
Sand			6485	6497		
Shale			6497	6555 TD		

09/08/2023

5 1/2" Casing cut and removed @4500
Final Drilling Report - load hole with mud.
Rig released 4:00 PM 7-18-73

* Indicates Electric Log tops in the remarks section.



1) Date: November 30, 19 83
 2) Operator's Well No. 29
 3) API Well No. 47 - 039 - 2640 - FRAC
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow
 5) LOCATION: Elevation: 1312.08 Watershed: Five Mile Fork of Campbells Creek (K49)
 District: Malden 7 County: Kanawha Quadrangle: Clendenin 299
 6) WELL OPERATOR Jackson Development Co. 7) DESIGNATED AGENT Lloyd G. Jackson
 Address P O Box 498 24235 Address P O Box 498
Hamlin, W. Va. 25523 Hamlin, W. Va. 25523
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Craig Duckworth 9) DRILLING CONTRACTOR:
 Address Dawson Rt. Box 107 469-2015 Name _____
Gassaway, W. Va. 26624 Address _____
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) Frac.
 11) GEOLOGICAL TARGET FORMATION, Weir
 12) Estimated depth of completed well, _____ feet
 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

RECEIVED
 JUN 8 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

15) 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	13	H	32		X	60	60		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J	24		X	1950	1950		
Production	5 1/2	J	14	X		2300	2300	by rule 15.01	depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-039-2640-FRAC Date July 5, 19 84

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>MJ</u>	Plat: <u>MJ</u>	Casing: <u>MJ</u>	Fee: <u>1409</u>
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Margaret J. Dasse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) DATE: NOVEMBER 2011

2) OPERATOR: JACKSON DEVELOPMENT CO. - 9 BOX 455

3) APPLICANT: JACKSON DEVELOPMENT CO. - 9 BOX 455

4) WELL OPERATOR: JACKSON DEVELOPMENT CO. - 9 BOX 455

5) LOCATION: JACKSON DEVELOPMENT CO. - 9 BOX 455

6) WELL OPERATOR: JACKSON DEVELOPMENT CO. - 9 BOX 455

7) DRILLING CONTRACTOR: W. DRILLING CONTRACTOR

8) OFF-GAS INSPECTOR TO BE NOTIFIED: ROYAL DICKINSON

9) PROPOSED WELL WORK: DRILL - 9 BOX 455

10) GEOLOGICAL TARGET FORMATION: BEAR

11) APPROXIMATE DEPTH OF COMPLETED WELL: 1000

12) APPROXIMATE RATE PER HOUR: 1000

13) APPROXIMATE COST PER DEPTH: 1000

14) CASING AND TUBING PROGRAM: 1000

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason:	Per	Caring	Per	Agent	Per
Reason:					

09/08/2023

Free

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

1) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Sally L. D. Todd
Address 6207 Three Chopt Rd.
Richmond, VA

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR See Attached
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name _____
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) 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.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

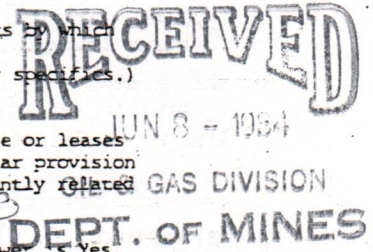
The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Lloyd G. Jackson
this 30 day of November, 1988.
My commission expires 1/1, 1987.

Barbara Eilers
Notary Public, Lincoln County,

WELL OPERATOR Jackson Development Co., Inc.

By [Signature]
Its President
Address P.O. Box 498
Hamlin, WV 25523
Telephone 824-3432



09/08/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Margaret Y. Dickinson	Jackson Dev. Co., Inc.	1/8	46	595



DEC. 19 1983

IV-9
(Rev 8-81)

DATE DECEMBER 1, 1983

WELL NO. 29

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 047 - 039 - 2640-Frac

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME JACKSON DEVELOPMENT DESIGNATED AGENT LLOYD JACKSON
Address P O Box 498 Hamlin, W. Va. Address p O Box 498 Hamlin, W. Va.
Telephone (304) 756-9410 Telephone 824-3432
LANDOWNER Sally L. D. Todd SOIL CONS. DISTRICT CAPITOL
Revegetation to be carried out by Lloyd G. Jackson (Agent)

This plan has been reviewed by CAPITOL SCD. All corrections and additions become a part of this plan:

DEC. 20 1983
(Date)

R. C. [Signature]
(SCD Agent)

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ACCESS ROAD

LOCATION

Structure <u>ACCESS ROAD</u> (A)	Structure <u>DRILLING PIT (IF NECESSARY)</u> (1)
Spacing <u>± 1200' 2-4% GRADE</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>2-14</u>	Page Ref. Manual <u>N/A</u>
Structure <u>CROSS DRAINS</u> (B)	Structure _____ (2)
Spacing <u>ONE PER 200' (6)</u>	Material _____
Page Ref. Manual <u>2-4 ; TABLE 1 ; 2-7</u>	Page Ref. Manual _____
Structure <u>DRAINAGE DITCH</u> (C)	Structure _____ (3)
Spacing <u>EARTHEN</u>	Material _____
Page Ref. Manual <u>2-12 & 2-13</u>	Page Ref. Manual _____

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.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5

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

Mulch HAY 2.0 Tons/acre

Seed* KY. 31 TALL FESCUE 30 lbs/acre
CROWN VETCH 10 lbs/acre
ANNUAL RYEGRASS 10 lbs/acre

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5

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

Mulch HAY 2.0 Tons/acre

Seed* KY. 31 TALL FESCUE 30 lbs/acre
(CROWN VETCH 10 lbs/acre
ANNUAL RYEGRASS 10 lbs/acre

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

09/08/2023

PLAN PREPARED BY MICHAEL E. UHL

ADDRESS BOWMAN LAND SURVEYING Co.
P.O. Box 8372, So. CHAS., WV 25303
PHONE NO. (304) 744-5413

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

ATTACH OR PHOTOCOOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Quick 7.5'

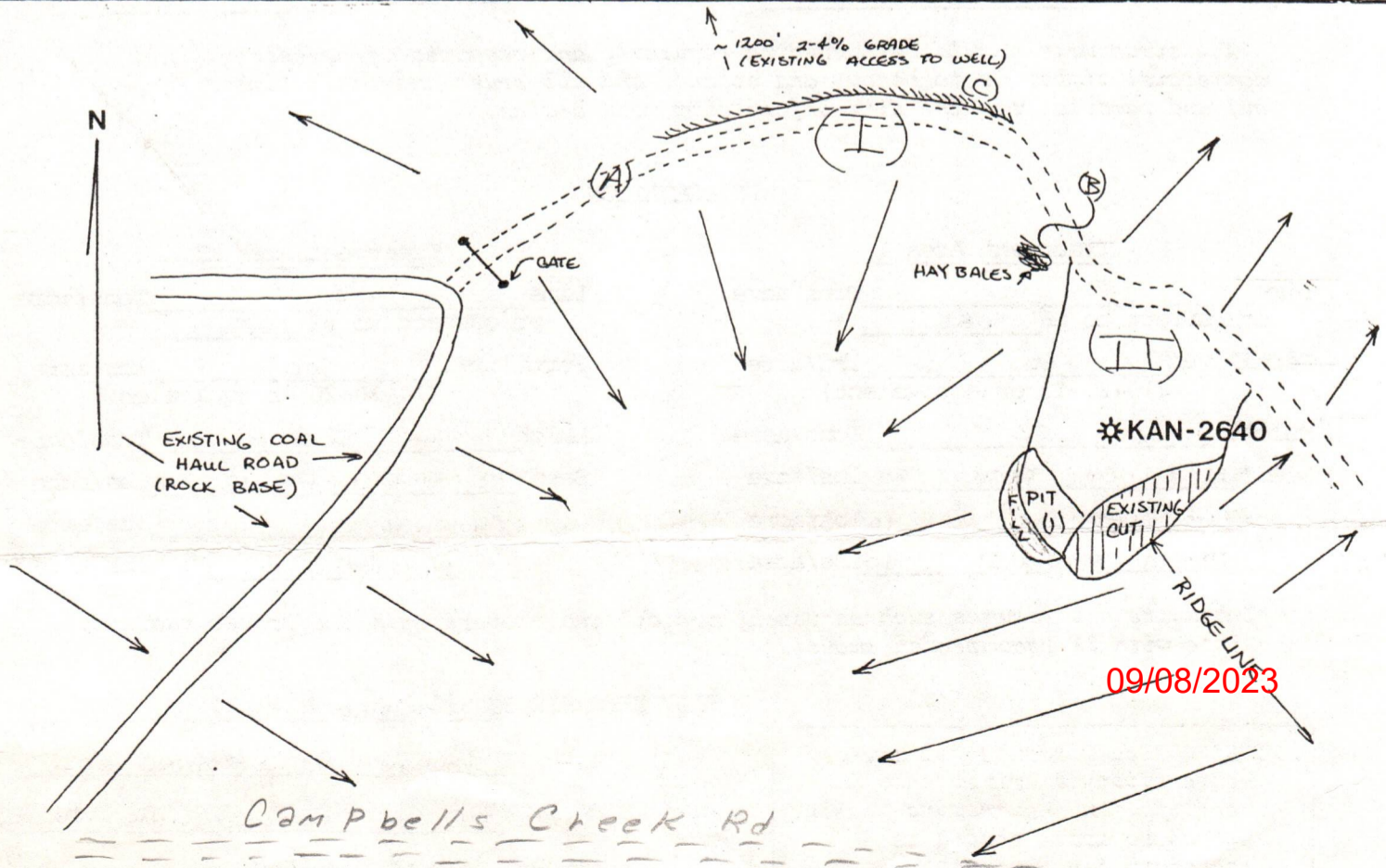
LEGEND	
Well Site	⊕
Access Road	—

SEE ATTACHED SHEET

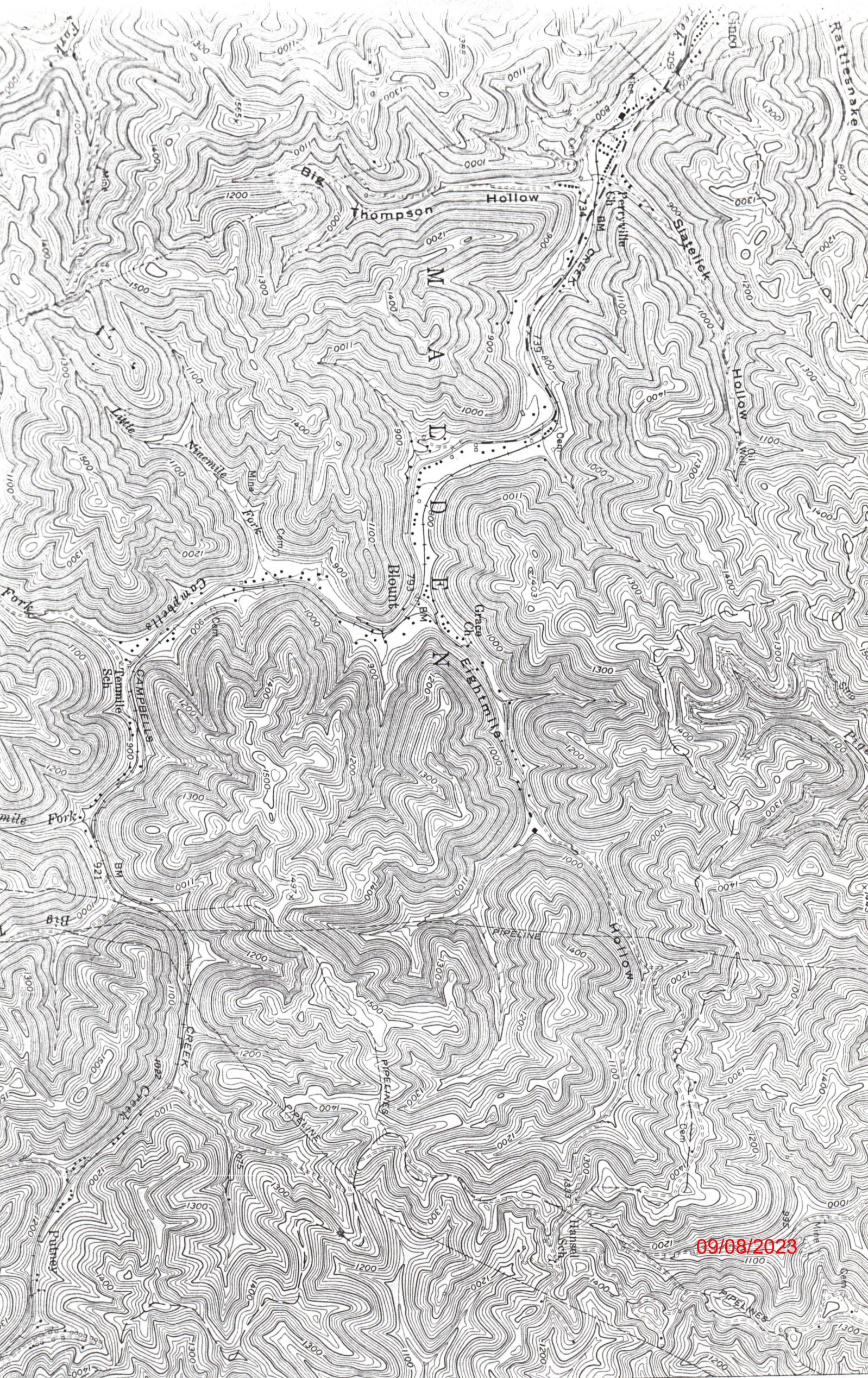
WELL SITE PLAN

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

LEGEND	
Property boundary	—▲▲▲▲—
Road	== == == == ==
Existing fence	—X— X—
Planned fence	—/— /—
Stream	~.~.~.~.~.~.~.
Open ditch	—.....→ —.....→ —.....→
Diversion	//////
Spring	○→
Wet spot	⊗
Building	■
Drain pipe	—○→ —○→ —○→
Waterway	←≡≡≡≡≡→



NOTE: THIS RECLAMATION AND CONSTRUCTION PLAN IS FOR THE PURPOSE OF OBTAINING A PERMIT TO RE-WORK EXISTING WELL. LOCATION AND ACCESS ROADS ARE EXISTING AND MAINTAINED FOR ACCESS TO WELL.



09/08/2023

(MAMMOTH)
4760 IV SE

4239 4240 4242 20' 4243

Re: Margaret Dickinson Well 29

COAL OWNERS:

Princess Susan Coal Company
4104-A MacCorkle Ave.
Charleston, WV 25304

The Valley Camp Coal Company
2971 E. Dupont Ave.
Shrewsbury, WV 25184

Union Carbide Corp., Metal Div.
32 Sanderson Road
Clendenin, WV 25045

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JUN 8 - 1964

OIL & GAS DIVISION
DEPT. OF MINES

09/08/2023



1) Date: November 30, 19 83
 2) Operator's Well No. 29
 3) API Well No. 47 - 039 - 2640
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1512.08 Watershed: Five Mile Fork of Campbells Creek
 District: Malden County: Kanawha Quadrangle: Clendenin
- 6) WELL OPERATOR Jackson Development Co. 7) DESIGNATED AGENT Lloyd G. Jackson
 Address P O Box 498 Address P O Box 498
Hamlin, W. Va. 25523 Hamlin, W. Va. 25523
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Craig Duckworth Name
 Address Dawson Rt. Box 107 Address
Gassaway, W. Va. 25624
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) Frac.
- 11) GEOLOGICAL TARGET FORMATION, Weir
- 12) Estimated depth of completed well, feet
 13) Approximate trata depths: Fresh, feet; salt, feet.
 14) Approximate coal seam depths: Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

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 DEPT. OF MINES

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	13	H	22		X	60	60		Kinds	
Fresh water									Sizes	
Coal									Depths set	
Intermediate	8 5/8	J	24		X	1450	1450		Perforations:	
Production	5 1/2	J	19	X		2300	2300		Top	Bottom
Tubing										
Liners										

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

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: MAY 11, 19 84

THE VALLEY CAMP COAL COMPANY
 By A. Perry Mason
 Its VICE-PRESIDENT

09/08/2023
 Coal Owner



1) Date: November 30, 19 83
 2) Operator's Well No. 29
 3) API Well No. 47 - 039 - 2640
 State County Permit

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

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- 11) GEOLOGICAL TARGET FORMATION,
- 12) Estimated depth of completed well, feet
- 13) Approximate strata depths: Fresh, feet; salt, feet.
- 14) Approximate coal seam depths: Is coal being mined in the area? Yes / No

RECEIVED
 JUN 9 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

15) 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	13	H	32		X	60	60			Kinds
Fresh water										
Coal										Sizes
Intermediate	8 5/8	J	24		X	1950	1950			Depths set
Production	5 1/2	J	14			2300	2300			Perforations:
Tubing										Top
Liners										Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME:
 By
 Its Date

X Sally D. Todd Date May 5, 84
 (Signature)
 Date
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

09/08/2023
Surface Owner



RECEIVED
 JUN 8 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

NAME _____
 1st Notice MAY - 1 1984
 2nd Notice 5-5
 Return 5-16

Princess Susan Coal Company
 1210 Smith Street
 Charleston WV 25301

CLAIM CHECK NO. **206200**

HOLD

DATE MAY 22 1984

1ST NOTICE

2ND NOTICE

RETURN

Detached from PS Form 3849-A Oct. 1980

USPO
 HAMLIN, WV
 APR 27 1984

SENT TO: Princess Susan Coal Co
 1210 Smith Street
 Charleston WV 25301

POSTAGE: 25c
 SPECIAL DELIVERY: 25c
 RETURN RECEIPT SERVICE: 25c

POSTAL TOTAL: 75c

Address: W. Ross, Apt. 1976

Returned 4/30/84

PS Form 3800, Apr. 1976

RECEIPT FOR CERTIFIED MAIL
 P 345 239 962

NO INSURANCE COVERAGE PROVIDED -
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

6/29/73
 DATE

Fred Bredette
 DISTRICT WELL INSPECTOR

09/08/2023

09/08/2023

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. KAN-2640

Oil or Gas Well Gas
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Southeastern Energy Corporation</u>				
Address	<u>414 C.N.A. Towers, Orlando, Florida</u>	Size			
Farm	<u>Margaret Y. Dickinson</u>	16			Kind of Packer
Well No.	<u>25 1-10</u>	13 3/8	60		
District	<u>Malden</u> County <u>Manawha</u>	8 5/8	1950		Size of
Drilling commenced	<u>6/7/73</u>	8 1/4			
Drilling completed	Total depth	6 3/4			Depth set
Date shot	Depth of shot	5 3/16			
Initial open flow	/10ths Water in Inch	3			Perf. top
Open flow after tubing	/10ths Merc. in. Inch	2			Perf. bottom
Volume	Cu. Ft.	Liners Used			Perf. top
Rock pressure	lbs. hrs.				Perf. bottom
Oil	bbls., 1st 24 hrs.	CASING CEMENTED SIZE No. FT. Date			
Fresh water	feet feet	NAME OF SERVICE COMPANY			
Salt water	feet feet	COAL WAS ENCOUNTERED AT FEET INCHES			
		FEET INCHES FEET INCHES			
		FEET INCHES FEET INCHES			

Drillers' Names _____

Remarks:

Total Depth 6453 ft. Pace Rotary drilling Contractor.
Hole mudded up to drill through Newburg Formation.
Lost circulation at 6443, Southeastern wouldn't buy 7 inch production string of pipe. Rotary rig getting ready to move off location.

7/5/73
DATE

Fred Burdette
DISTRICT WELL INSPECTOR

09/08/2023



RECEIVED
SEP 21 1984

State of West Virginia
Department of Mines
Oil and Gas Division

Date 7/13/84
Operator's Well No. 29
Farm M.Y. Dickinson 1-10
API No. 47-039-2640 FRAC

OIL & GAS DIVISION
DEPT. OF MINES

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 ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1312' Watershed Five Mile Fork of Campbells Creek
District: Malden County Kanawha Quadrangle Clendenin

COMPANY Jackson Development Co., Inc.
ADDRESS P.O. Box 498, Hamlin, WV 25523
DESIGNATED AGENT Lloyd G. Jackson
ADDRESS Same
SURFACE OWNER Margaret Dickinson
ADDRESS _____
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Rodney G. Dillon ADDRESS Williamstown, WV 26187
PERMIT ISSUED 7-5-84
DRILLING COMMENCED 6/7/73
DRILLING COMPLETED 7/18/73
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13 5/8"	60'	60'	
9 5/8			
8 5/8	1950'	1950'	
7			
5 1/2	6452'	1952' at 4500-6452'	
4 1/2	Plugged back originally		
5 1/2	---	2256'	139.5
2			
Liners used			

GEOLOGICAL TARGET FORMATION Injun Squaw Depth 2064-2098'
2154'-2173' feet

Depth of completed well 2650' feet Rotary ___ / Cable Tools ___

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: _____ Is coal being mined in the area? ___

OPEN FLOW DATA

Producing formation Injun Pay zone depth 2068 - 2078' feet

Gas: Initial open flow 850 Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow 550 Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests 12 hours

Static rock pressure 250 psig (surface measurement) after 60 hours shut in

(If applicable due to multiple completion--)

Second producing formation Squaw Pay zone depth 2156 - 2164' feet

Gas: Initial open flow 157 Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow 1000 Mcf/d Oil: Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

Static rock pressure 300 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

KAN 2640 - FRAC

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

- 365 Injun 2068 to 2078 with 11 Holes
Foam frac with 30,000 lbs. 20/40 sand, 500 gal. Hcl & 162 MScf N₂
- 383 Squaw 2156 to 2164 with 9 Holes
Foam frac with 30,000 lbs. 20/49 sand, 500 gal Hcl & 240 MScf N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAME AS ORIGINAL RECORD EXCEPT FOLLOWING DEPTHS FROM GAMMA LOG:					
345	Big Lime		--	2064	
365	Injun		2064	2098	
	Sandy shale		2098	2154	
383	Squaw		2154	2173	
	Shale		2173	2254	
387	Weir horizon		2254	2276	
	Shale		2276	2510	
394	Coffee Shale		2510	2524	
395	Berea		2524	2527	
	Siltstone		2527	2594	
	Shale		2594	--	
	Bottom Log Interval 2644'				
					Initial open flow - 157 Mcf/D Logged by: Allegheny Nuclear Surveys

(Attach separate sheets as necessary)

Jackson Development Co., Inc.
Well Operator
By: Thy W. Jones 09/08/2023
Date: 7/13/84

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."

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

RECEIVED

JUL 30 1984

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

Permit No. 039-2640 FRAC

Oil or Gas Well _____
(KIND)

Company <u>JACKSON Dev. Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Hamlin, WV</u>	Size			
Farm <u>Sally Todd</u>	16			Kind of Packer _____
Well No. <u>#29</u>	13			
District <u>Malden</u> County <u>KAN</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names JACKSON Service Rig (36L)

Remarks: WELL HAS BEEN FRAC
Rig Still on location

7/27/84
DATE

Rod Williams
DISTRICT WELL INSPECTOR

09/08/2023

**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

09/08/2023

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

INSPECTOR'S WELL REPORT

Permit No. 039-5640 FRAC

Oil or Gas Well _____
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>JACKSON, Dev.</u>	Size			Kind of Packer _____
Address	<u>HAMLIN, WV</u>	16			
Farm	<u>SALLIE TODD</u>	13			
Well No.	<u>#29</u>	10			Size of _____
District	<u>Malden</u> County <u>KAN</u>	8 1/4			Depth set _____
Drilling commenced		6 5/8			
Drilling completed	Total depth _____	5 3/16			Perf. top _____
Date shot	Depth of shot _____	3			Perf. bottom _____
Initial open flow	/10ths Water in _____ Inch	2			Perf. top _____
Open flow after tubing	/10ths Merc. in _____ Inch	Liners Used			Perf. bottom _____
Volume	Cu. Ft. _____				
Rock pressure	lbs. _____ hrs.				
Oil	bbls., 1st 24 hrs. _____				
Fresh water	feet _____ feet				
Salt water	feet _____ feet				

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OIL & GAS DIVISION
DEPT. OF MINES

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: Rig moved off location not reclaimed at this time

8/10/84
DATE

Ray Williams
08/08/2023
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		
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

09/08/2023

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

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OCT 29 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. D39-2640 FRAC

Oil or Gas Well GAS
(KIND)

Company <u>JACKSON Dev.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>HAMLIN, WV</u>	Size			
Farm <u>SALLY TODD</u>	16			Kind of Packer _____
Well No. <u>29</u>	13			
District <u>MAIDEN</u> County <u>KAN.</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: Rig off location
Not Reclaimed At This Time

10/24/84
DATE

Robert Bell
09/08/2023
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		
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

09/08/2023



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JUN 3 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 22, 1984

COMPANY Jackson Development Co.
P. O. Box 498
Hamlin, West Virginia 25523

PERMIT NO 039-2640-FRAC (7-05-84)
FARM & WELL NO Sally Todd #29
DIST. & COUNTY Malden/Kanawha

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 Wellsite	_____	_____
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 Carlos W. Hinely
DATE 5-28-85

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-Oil & Gas Division

July 18, 1985
DATE

P 345 239 963

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Apr. 1976

SENT TO		M. Carlsberg Corp	
STREET AND NO.		33 S. S. S. Rd.	
P.O. STATE AND ZIP CODE		Cleveland, W. 25115	
POSTAGE	CERTIFIED FEE	\$ 75	
CONSULT POSTMASTER FOR FEES			
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE			
SPECIAL DELIVERY		6	
RESTRICTED DELIVERY		6	
SHOW TO WHOM AND DATE DELIVERED		6	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		6	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		6	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		6	
TOTAL POSTAGE AND FEES	\$ 75		
POSTMARK	HAMBLIN, WV APR 27 1984 USPO		

P 345 239 658

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

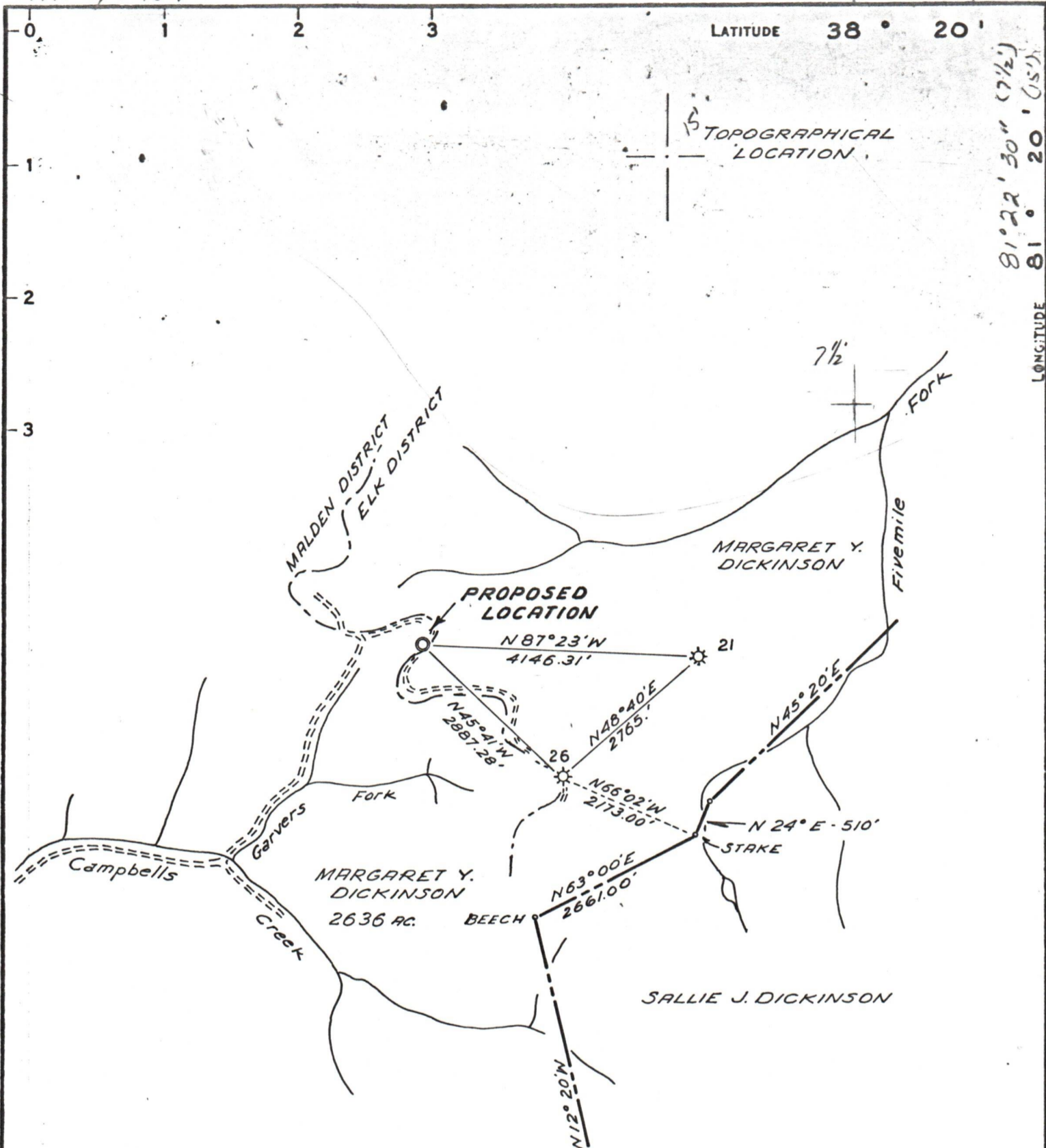
PS Form 3800, Apr. 1976

SENT TO		H. C. Smith Sr	
STREET AND NO.		144 E. City	
P.O. STATE AND ZIP CODE		Hamlin, WV	
POSTAGE	CERTIFIED FEE	\$ 75	
CONSULT POSTMASTER FOR FEES			
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE			
SPECIAL DELIVERY		6	
RESTRICTED DELIVERY		6	
SHOW TO WHOM AND DATE DELIVERED		6	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		6	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		6	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		6	
TOTAL POSTAGE AND FEES	\$ 75		
POSTMARK	HAMBLIN, WV APR 31 1984 USPO		

RECEIVED
 JUN 8 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

MH 6/25/84

2900'



81° 22' 30" (7 1/2)
 81° 20' (5 1/2)
 6000'
 LONGITUDE

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed Donald J. Boy L.L.S. #247

COMPANY JACKSON DEVELOPMENT CO.
 ADDRESS PO BOX 498, HAMLIN, WV 25523
 FARM MARGARET Y. DICKINSON
 MAP _____ ACRES 2636 LEASE NO. _____
 WELL (FARM) NO. -27-1-10 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1312.08
 QUADRANGLE CLENDENIN 15'
 COUNTY KANAWHA DISTRICT MALDEN
 POINT OF PROVEN ELEVATION WELL #26. ELEV. BASED ON
U.S. 63 500' WEST OF BIG TENMILE FORK. ELEV. = 921'
 FILE NO. _____ DRAWING NO. N-2-73
 DATE JUNE 8, 1973 SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION 09/08/2023
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Kan-2640-Frac

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

47-039