

7/85

RECEIVED
OCT 22 1985



1) Date: October 21, 1985
2) Operator's Well No. Sally Todd #36
3) API Well No. 47-039-4261
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, 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: 1146 Watershed: Campbells Creek of Kanawha River
District: Malden 7 County: Kanawha Quadrangle: Quick 562
- 6) WELL OPERATOR Jackson Dev. Co., Inc CODE: 24235 7) DESIGNATED AGENT Lloyd G. Jackson
Address P.O. Box 498 Address P.O. Box 498
Hamlin, WV 25523 Hamlin, WV 25523
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Carlos Hively
Address 223 Pinch Ridge Road
Elkview, WV 25071
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Weir
- 12) Estimated depth of completed well, 2185 feet
- 13) Approximate trrata depths: Fresh, 325 feet; salt, 1700 feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No /

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									Kinds
Fresh water	8-5/8	J	24		X	500	500	Surface	by rule 15.05
Coal									Sizes
Intermediate	7	J	20		X	1720			
Production	4 1/2	J	15	X		2185	2185	475 SX or as required	by rule 15.01
Tubing									Depths
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-4261

November 15 1985
Date

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 November 15, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ASD</u>	Plat: <u>MU MU</u>	Casing: <u>MU MU</u>	Fee: <u>1899</u> <u>1902</u>	WPCP: <u>MU</u>	S&E: <u>MU</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

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

LOCATION: Campbell's Creek of Kanawha River
 COUNTY: Kanawha
 TOWN: Jackson
 P.O. Box 498
 Hamlin, WV 25523
 Applicant: LLOYD G. JACKSON
 223 Finch Ridge Road
 Elkinsville, WV 25071

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
Reason: _____

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia
Department of Mines
Oil and Gas Division

DATE OCT. 12, 1985
WELL NO. Todd # 36
API NO. 47 - 039 - 4261

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME JACKSON DEVELOPMENT
Address Box 498 Hamlin, W.V. 25523
Telephone 824-3432

DESIGNATED AGENT Lloyd Jackson
Address Box 498 Hamlin, W.V. 25523
Telephone 824-3432

LANDOWNER Sallie Todd

SOIL CONS. DISTRICT CAPITOL

Revegetation to be carried out by Lloyd Jackson (Agent)

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

(Date)

(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Access Road</u> (A)	Structure <u>Drilling Pit</u> (1)
Spacing <u>± 850' (SEE SKETCH FOR GRADES)</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 <u>SEDIMENT BARRIER</u> (2)
Spacing <u>VARIOUS (SEE SKETCH)</u>	Material <u>BRUSH FROM SITE</u>
Page Ref. Manual <u>2-4 TAB. 1</u>	Page Ref. Manual <u>2-16</u>
Structure <u>DRAINAGE DITCH</u> (C)	Structure <u>DIVERSION DITCH</u> (3)
Spacing <u>EARTHEN</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>

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

Line 3 Tons/acre
or correct to pH _____

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

Line 3 Tons/acre
or correct to pH _____

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.

PLAN PREPARED BY Paul E. Miller

ADDRESS 8168 BRIDGE AVE.


Hamlin, W.V. 25523


PHONE NO. 824-7899

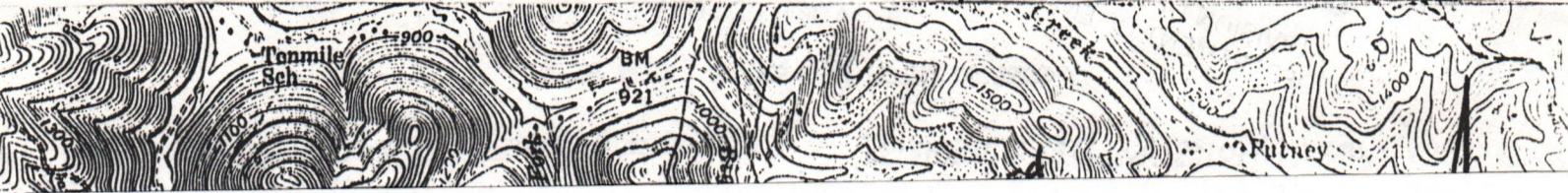
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Quick 7 1/2

LEGEND

Well Site 

Access Road 



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 Division 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 §22B-1-9(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 §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(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 pa</u>
Margaret Y. Dickinson	Jackson Development Co., Inc.	1/8	46 595

FK. TENNILE

together with the certificate thereon to introduce in addition to the...

To: (J. H. V. ...) Clerk.
Kanawha County Court.

MARGARET G. DICKINSON GUARDIAN

TO

L. C. MCKIM

RECEIVED
OCT 22 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

ASSIGNED
Book 67 page 65
ASSIGNED
Book 78 page 11

mailed to C. P. Dickinson City - 6-14-26

THIS AGREEMENT, made and entered into this 13th day of June, 1925, by

and between Margaret G. Dickinson (widow) and Margaret Y. Dickinson, guardian for Sallie Lewis Dickinson, infant, hereinafter called the lessor; and L. C. McKim, of Charleston, W. Va. hereinafter called the lessee.

Witnesseth; That whereas by virtue of the authority conferred upon said guardian by the several decrees of the Circuit Court of Kanawha County, West Virginia, this day entered, and in consideration of one dollar (\$1.00) the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained the lessors do hereby grant unto the lessee for the term of five (5) years (and so long thereafter as oil or gas is produced from the land leased and royalty and rentals paid by lessee therefor) all the oil and gas and gasoline in and under the land hereafter described, together with the exclusive right to drill for, produce and market said oil and gas and gasoline and to possess so much of said lands as may be necessary or convenient to such operations, the right to use oil, gas and water from said lands in operation thereon, and the right to remove, at any time, any and all property placed by lessee in or upon said premises, and lessor waives the right to claim or hold during or after the term hereof any of said property as fixtures or as a part of the realty, and lessor hereby warrants generally the title to the land herein leased and to the oil and gas and gasoline produced therefrom.

Said land being situate in Malden and Elk Districts, County of Kanawha and State of West Virginia, and on the waters of Campbells Creek, and bounded and described as follows, to-wit;

- On the North by lands of Blue Creek Coal & Land Co. G. E. Hansel
 - On the East by lands of Kanawha & Hocking Coal Co. and others
 - On the South by lands of Kanawha & Hocking Coal & Coke Fannie D. Boyd.
 - On the West by lands of blue Creek Coal & Land Co. M. Belcher, et al
- Containing 2636 acres, more or less.

To have and to hold said premises for and during the term aforesaid. No well to be drilled within 200 feet of the barn or dwelling house without lessors consent.

The lessee to deliver to lessor in tanks, tank cars, or pipe line a royalty of one eighth (1/8th) of all oil produced and saved from the premises, and to pay for each gas well from the time and while the gas is marketed the sum of one and one half cents (1-1/2¢) per thousand cubic feet of gas produced, payable each three months.

Said lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved, or conveyed by said lessors, or their predecessors, in title or otherwise. And any such outstanding royalty or interest shall be first deducted from the royalties and rentals

above provided to be paid or delivered.

Lessee agrees to bury, when required so to do by lessor, all pipe lines used to conduct gas off the premises, and to pay all damages to growing crops not occasioned by the necessary operations under this lease.

Lessor shall be entitled to gas free of cost for domestic use in one dwelling on said premises, from any gas well thereon so long as lessee shall operate the same, and the pressure is sufficient for such use and shall use said gas at lessor's risk and expense of piping and with economical gas burning appliances (subject to lessee's approval) and lessee shall not be liable for an insufficient supply from any cause whatever. Lessee is to have in consideration of the premises and the undertaking on the part of lessee, the waste and casing head gas from oil wells, and gasoline (with the right to manufacture same) and water for use on or off the premises, and the right to operate and maintain roads, pipe lines, surface roads to and from adjoining lands, provided, however, if said waste or casing head gas be used for the manufacture of gasoline, lessee to pay lessor their proportionate part of the one-eighth of proceeds received from sale thereof less lessor's proportionate part of cost of transportation for each well from which and while said gas is so used.

Lessee agrees to drill a well on said premises on or before the 13th day of July, 1925 or pay to lessor at the rate of six hundred fifty nine dollars (\$659.00) for each three months (and proportionately for any fraction thereof) thereafter until such well is drilled, or this lease surrendered before the end of the term for which payment has been made to lessor for delay, the unaccrued portion of said payment shall be a credit to lessee on any rental, royalty or gas well.

And it is agreed that, at any time, upon the tender or payment to lessor in hand or deposit to lessor's credit in the Bank herein below named of one dollar and all moneys for delay then due hereunder, lessee shall have the right to release and surrender this lease by returning it to lessor, with the endorsement by lessee of a surrender thereon, or by recording a release and surrender in the Kanawha County Court Clerk's Office, State of West Virginia, either of which lessor agrees to accept as, and which shall be a full and legal surrender of this lease and of lessee's rights and a cancellation of all liabilities under this lease of each and all parties thereto.

Payments of all moneys herein named or due under this lease may be made by cash or check to Margaret Y. Dickinson; by deposit to her credit in the Kanawha National Bank of Charleston, W. Va. or by check made payable to her order and mailed to her at Charleston, P. O. Kanawha County, State of West Virginia.

The land leased herein lies on the southeast side of a line beginning at the original corner of H. C. Dickinson, 4150 acres of which this is a part at the mouth of 10 mile fork of Campbells Creek and running thence N 53-30" E. 10202 feet to a corner to G. E. Hansel and Blue Creek Coal & Land Co. on the head waters of 5 mile fork of Morris Fork of Blue Creek.

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

All grants, conditions, terms and limitations between the parties hereto shall extend to their heirs, executors, administrators, successors or assigns.

In witness whereof, we, the parties hereto, have hereunto set our hands and seals the day and year first above written.

Margaret Y. Dickinson (SEAL)

Guardian for Sallie Lewis Dickinson, infant.

Margaret Y. Dickinson (SEAL)

State of West Virginia
County of Kanawha to-wit;

I, O.F. Payne, a Notary Public of said County of Kanawha, do certify that Margaret Y. Dickinson in her own right and as guardian of Sallie Lewis Dickinson whose names are signed to the within writing, bearing date the 13th day of June, A.D. 1925, have this day acknowledged the same before me in my said County.

My commission expires April 18th 1934.

Given under my hand this 6th day of July, 1925.

(NOTARIAL SEAL)

O.F. Payne, Notary Public.

West Va. Kanawha County Court Clerk's Office April 16 1926

This Agreement was this day presented to me in my office, and thereupon, together with the Certificate thereto annexed, is admitted to record.

Teste;

R. N. Moulton Clerk

Kanawha County Court.

Handwritten initials

L.C. McKIM

TO

TEN MILE OIL & GAS CO.

THIS AGREEMENT, made and entered into this 12th day of April, A.D. 1926 by and between L.C. McKim, party of the first part, and Ten Mile Oil & Gas Company (a corporation) of the State of West Virginia, of the second part.

Whereas, the said L.C. McKim, has a certain oil and gas lease consisting of 2636 acres (more or less) known as the part of the H.C. Dickinson, tract of land situated in Malden and Elk District, Kanawha County, and State of West Virginia, upon the waters of Campbells Creek and that for and in consideration of the sum of one (\$1.00) dollar in hand paid the receipt of which is hereby acknowledged and other valuable considerations, does hereby sell, transfer and set over his entire right, title and interest in said leasehold to the ten mile Oil & Gas Company.

In witness whereof have hereto set my hand and seal the day and year first above written.

L.C. McKim

(SEAL)

Witness; Nettie A. Elliott

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Filed in C. R. Moulton City - 6-14-26

FE RC

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MAR 14 1986



IV-35
(Rev 8-81)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 3/6/86
Operator's
Well No. #36
Farm Sallie Todd
API No. 47 - 039 - 4261

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: 1146' Watershed Big Tenmile Fork of Campbells Creek
District: Malden County Kanawha Quadrangle Quick

COMPANY Jackson Development Company
ADDRESS P.O. Box 498, Hamlin, WV 25523
DESIGNATED AGENT Lloyd Jackson
ADDRESS P.O. Box 498, Hamlin, WV 25523
SURFACE OWNER Sallie Todd
ADDRESS
MINERAL RIGHTS OWNER SAME
ADDRESS SAME
OIL AND GAS INSPECTOR FOR THIS WORK
ADDRESS

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	520.2'	520.2'	
7	1584.20'	1584.20'	
5 1/2			
4 1/2		2154'	103 CF
3			
2			
Liners used			

PERMIT ISSUED
DRILLING COMMENCED 12/2/85
DRILLING COMPLETED 2/26/86

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

GEOLOGICAL TARGET FORMATION Weir Depth 1996 - 2020' feet
Depth of completed well 2162' feet Rotary ___ / Cable Tools X
Water strata depth: Fresh 156, 163 feet; Salt 650, 655 feet
Coal seam depths: 130-132, 330-332, 420-422 Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation Upper Weir Pay zone depth 1998 - 2018 feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d 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
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(Continue on reverse side)

KAN 4261

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

Upper Weir - 75 Quality Foam Frac (17 Holes 2002 - 2014')

45,000 pounds 20/40 sand; 476,000 Scf N₂; 223 Bbls. water; BKDN 2900 psi
ATP 2735 psi; ISI 2200 psi; AIR 30 BPM (Foam)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Formation depths taken from driller's log book:					
Clay			0	8	
Sand			8	15	
Slate			15	18	
Sand			18	60	
Flint			60	63	
Slate			63	70	
Broken Sand			70	130	
Coal			130	132	
Broken Sand			132	220	Water @ 156' and 163'
Sand			220	265	
Slate			265	330	
Coal			330	332	
Slate			332	420	
Coal			420	422	
Slate			422	650	
Sand			650	685	Salt water @ 650-655'; 1½ Bbl.hr.
Slate			685	730	
Sand			730	830	
Slate			830	850	
Sand			850	870	
Slate			870	905	
Sand			905	1063	
Slate and shell			1063	1130	
Salt Sand			1130	1288	
Slate			1288	1298	
Sand			1298	1360	
Slate			1360	1435	
Sand			1435	1475	
Slate			1475	1511	
Redrock			1511	1565	
Slate			1565	1576	
Redrock			1576	1580	
Slate			1580	1596	
Redrock			1596	1600	
Slate and shell			1600	1635	

(Attach separate sheets as necessary)

Jackson Development Company

Well Operator

By: *[Signature]*

Date: *March 31, 1986*

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."

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Gritty Shell			1635	1655	
Slate and shell			1655	1680	
Lime			1680	1726	
Slate			1726	1746	
Depths taken from Gamma Ray Log:					
Big Lime			1746	1912	
Big Injun			1912	1936	
Silt and shale			1936	1996	
Upper Weir			1996	2020	
Shale			2020	2097	
Middle Weir			2097	2161	
TD			—	2161'	Well logged by: Allegheny Nuclear Surveys IOF - No gauge taken

KAN 4261

Sally Todd #36

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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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S PERMIT SUMMARY FORM

(11-15-85)

WELL TYPE Gas
ELEVATION _____
DISTRICT Malden
QUADRANGLE _____
COUNTY Kane

API# 47-039 - 4261
OPERATOR Jackson Dev. Co.
TELEPHONE _____
FARM Sally Todd
WELL # Todd # 36

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____

TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____

LOCATION 11-20-85 NOTIFIED _____ DRILLING COMMENCED 12-3-85

WATER DEPTHS _____, _____, _____, _____

COAL DEPTHS _____, _____, _____, _____

CASING

Ran 520 feet of 8" "pipe on 12-10-85 with 100 SKS fill up
Ran 1673 feet of 7" "pipe on 2-3-86 with 200 SKS fill up
Ran 2154 feet of 4 1/2" "pipe on 2-26-86 with 100 SKS fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD 2161' feet on 2-26-86

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DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

MAY 14 1986
Pipe Removed

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-5-86

Carlos W. Hinchey
Inspector's signature

API# 47039 - 4261

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	11-20-85		Inspection	Building location
2	11-23-85		"	setting Rigon location
3	12-6-85		"	365' & Drilling
4	12-10-85		"	set surface casing
5	12-18-85		"	976' & tripping for bit
6	12-23-85		"	1147' & Drilling
7	1-8-86		"	Cement concrete test 1360'
8	2-7-86		"	set 7" casing
9	2-19-86		"	1852' & Drilling
10	2-26-86		"	Run 4 1/2" casing
11	4-4-86		"	working on Reckination
12	5-5-86		"	Released
13				
14				
15				
16				
17				
18				
19				
20				

Notes

P 636 609 743

P 636 609 744

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

Sent to <i>Vally Camp Coal Co.</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ 39
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

Sent to <i>Union Carbide Corp</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ 39
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

RECEIVED
OCT 22 1985

P 636 609 742

P 636 610 551

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1983-403-517

Form 3800, Feb. 1982

Sent to <i>Princess Susan Coal</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ 39
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1983-403-517

PS Form 3800, Feb. 1982

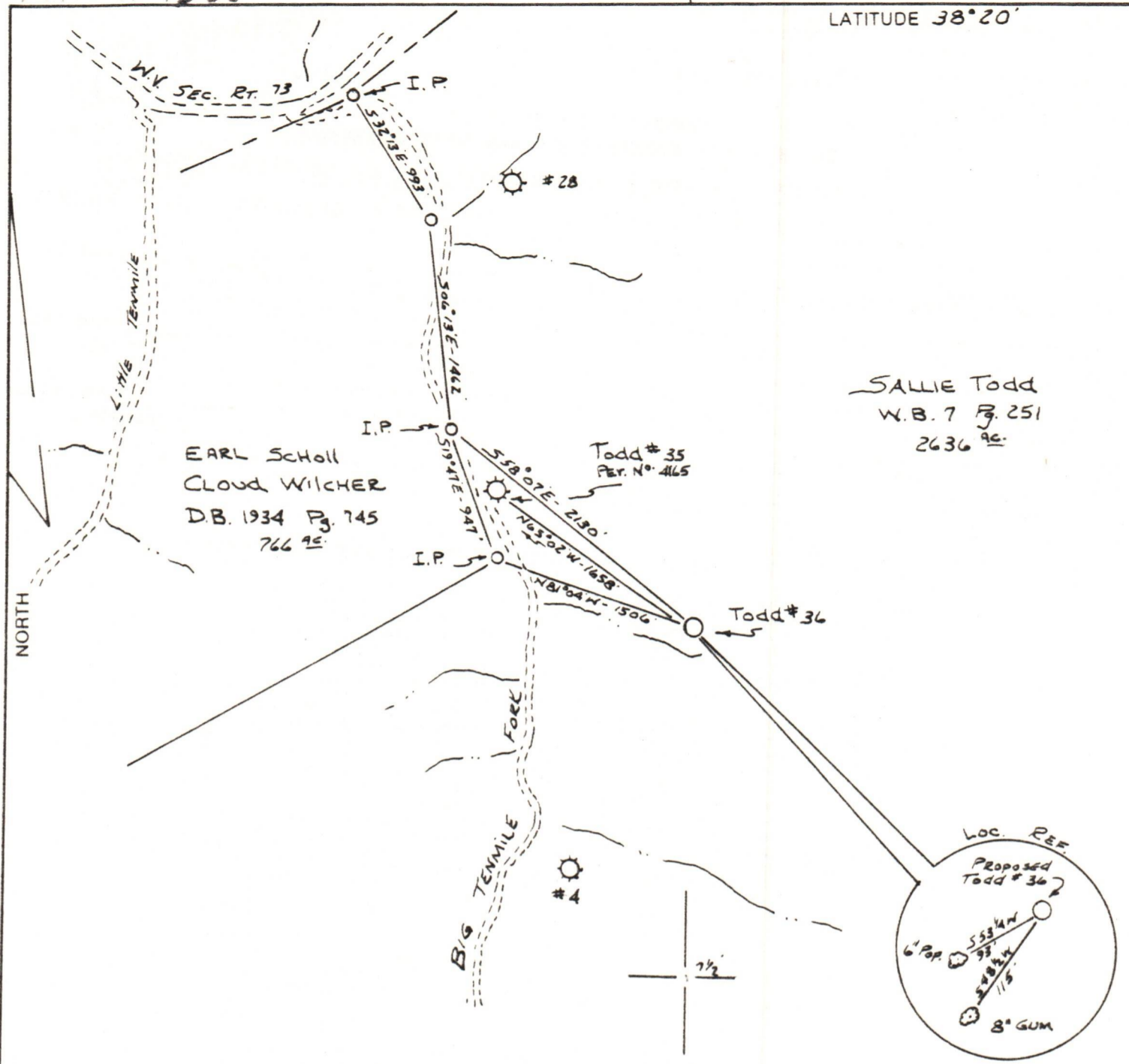
Sent to <i>Sally Jodel</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ 39
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

YMN 11-12-85

6550'

LATITUDE 38°20'

LONGITUDE 81°22'30"



EARL SCHOLL
 CLOUD WILCHER
 D.B. 1934 Pg. 745
 766 AC.

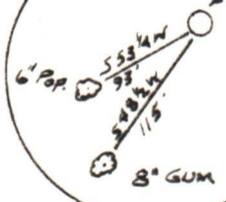
SALLIE TODD
 W.B. 7 Pg. 251
 2636 AC.

Todd #35
 PER. NO. 4165

Todd #36

LOC. REF.

Proposed
 Todd #36



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. OPERATOR'S
Well Todd #35 1022'

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) Paul C. Miller
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE Oct 12, 19 85
 OPERATOR'S WELL NO. Todd #36
 API WELL NO. _____

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 1146 WATER SHED BIG TENNILE FORK of CAMPBELLS CREEK
 DISTRICT MAIDEN COUNTY KANAWHA
 QUADRANGLE Quick 7 1/2

SURFACE OWNER SALLIE TODD ACREAGE 2636
 OIL & GAS ROYALTY OWNER SALLIE TODD LEASE ACREAGE 2636
 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 WEIE ESTIMATED DEPTH 2700'
 WELL OPERATOR JACKSON DEVELOPMENT DESIGNATED AGENT LLOYD JACKSON
 ADDRESS Box 498 Hamlin, W.V. 25523 ADDRESS Box 498 Hamlin, W.V. 25523

FORM IV-6 (8-78)

COUNTY NAME
 PERMIT

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 Division 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 §22B-1-9(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 §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(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>
Margaret Y. Dickinson	Jackson Development Co., Inc.	1/8	46 59



IV-9
(Rev 8-81)

RECEIVED
OCT 22 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

DATE OCT. 12, 1985
WELL NO. Todd # 36
API NO. 47 - 039 - 4261

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME JACKSON DEVELOPMENT
Address Box 498 Hamlin, W.V. 25523
Telephone 824-3432

DESIGNATED AGENT Lloyd Jackson
Address Box 498 Hamlin, W.V. 25523
Telephone 824-3432

LANDOWNER Sallie Todd
Revegetation to be carried out by Lloyd Jackson

SOIL CONS. DISTRICT CAPITOL
(Agent)

This plan has been reviewed by _____ SCD. All corrections
and additions become a part of this plan: _____
(Date)

(SCD Agent)

ACCESS ROAD

LOCATION

Structure ACCESS ROAD (A)
Spacing ± 850' (SEE SKETCH FOR GRADES)
Page Ref. Manual 2-14

Structure Drilling Pit (1)
Material EARTHEN
Page Ref. Manual N/A

Structure CROSS DRAINS (B)
Spacing VARIOUS (SEE SKETCH)
Page Ref. Manual 2-4 TAB. 1

Structure SEDIMENT BARRIER (2)
Material BRUSH FROM SITE
Page Ref. Manual 2-16

Structure DRAINAGE DITCH (C)
Spacing EARTHEN
Page Ref. Manual 2-12

Structure DIVERSION DITCH (3)
Material EARTHEN
Page Ref. Manual 2-12

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

Treatment Area II

Lime 3 Tons/acre
or correct to pH _____

Lime 3 Tons/acre
or correct to pH _____

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

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

Mulch HAY 2.0 Tons/acre

Mulch HAY 2.0 Tons/acre

Seed* Ky. 31 TALL FESCUE 30 lbs/acre

Seed* Ky. 31 TALL FESCUE 30 lbs/acre

CROWN VETCH 10 lbs/acre

CROWN VETCH 10 lbs/acre

ANNUAL RYEGRASS 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.

PLAN PREPARED BY Paul E. Miller

ADDRESS 8168 BRIDGE AVE.

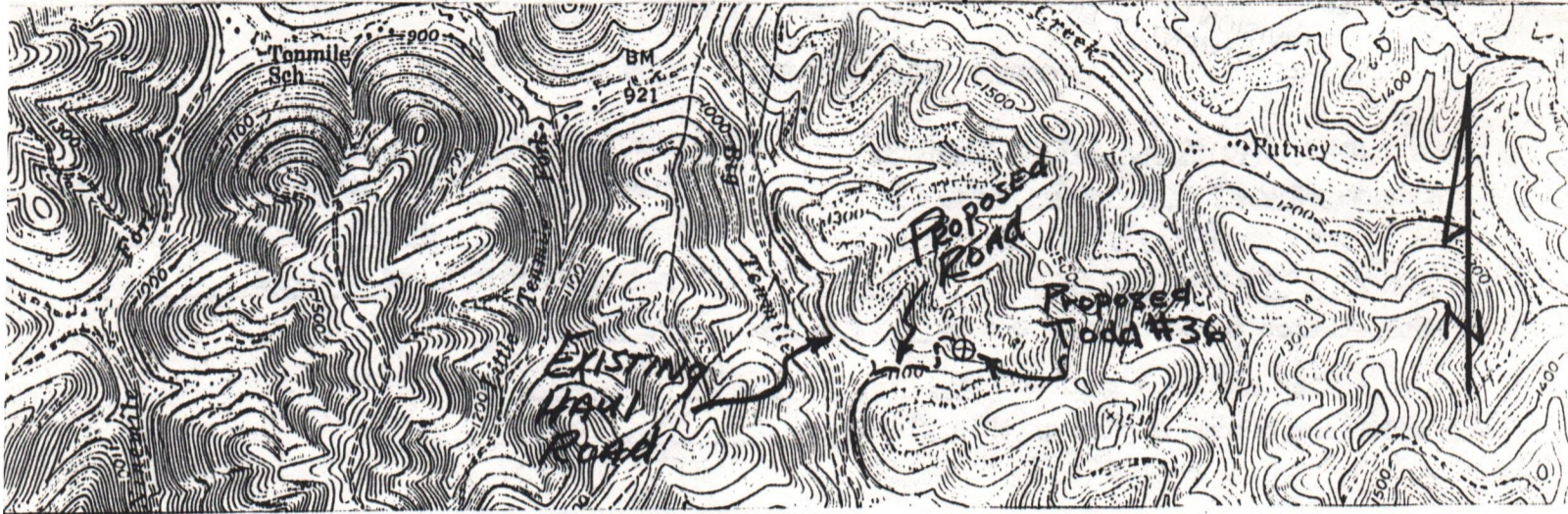
HAMLIN, W.V. 25523

PHONE NO. 824-7899

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

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Quick 7 1/2'

LEGEND
Well Site ⊕
Access Road —————



WELL SITE PLAN

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

LEGEND

Property boundary	—————▲—————	Diversion	—————//—————
Road	=====	Spring	○→
Existing fence	—x—x—x—x—	Wet spot	⊖
Planned fence	—/—/—/—/—	Building	■
Stream	~~~~~	Drain pipe	○→○→○→
Open ditch	—•••••→	Waterway	←≡≡≡≡→

