



1) Date: AUG 1, 19 85
 2) Operator's Well No. LAYFIELD #1
 3) API Well No. 47 105-1186 State West Virginia County Wirt Permit 1186

RECEIVED
AUG 7 1985

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1080 Watershed: OIL ROCK RUN
 District: CLAY 2 County: WIRT Quadrangle: GIRTA 7 1/2 366
- 6) WELL OPERATOR ALLIANCE RESOURCES, INC. 7) DESIGNATED AGENT GEORGE KING
 Address N. DALLAS BANK, SUITE 500 Address RT 1, Box 24
12900 PRESTON RD, DALLAS, TEX 75243 JAEGGER, W. VA 24844
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name HOMER DOUGHERTY 9) DRILLING CONTRACTOR: Name CLINT HURT
 Address 927-4591 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, MARCELLUS SHALE
 12) Estimated depth of completed well, 5900 feet
 13) Approximate strata depths: Fresh, 243, 200 feet; salt, 600 feet.
 14) Approximate coal seam depths: NA 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									
Fresh water	<u>11 3/4</u>			<input checked="" type="checkbox"/>		<u>460.250</u>	<u>250 460</u>	<u>To SURFACE</u>	<u>by rule 15.05</u>
Coal									Sizes
Intermediate	<u>8 5/8</u>			<input checked="" type="checkbox"/>		<u>1900</u>	<u>1900</u>	<u>To SURFACE</u>	
Production	<u>4 1/2</u>			<input checked="" type="checkbox"/>		<u>5900</u>	<u>5900</u>	<u>To 1900</u>	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-105-1186 Date August 7 19 85

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 August 7, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>146</u>
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[Signature]
 Administrator, Office of Oil and Gas
 DIRECTOR, DIVISION

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

Name: HOMER DOUGHERTY
 Address: 12400 PRESTON RD, DALLAS, TEX. 75243
 M. DALLAS BANK, SUITE 500
 RT 1, BOX 24
 JAEGER, W. V. 28844
 CUNT HURT
 WIRT
 OIL ROCK RUN
 1080
 CLAY
 MARCELLUS SHALE
 2000
 1500
 1000
 500

DEPTH (FEET)	FORMATION	PERMITS	REMARKS
11 3/4	CLAY	X	To SURFACE by rule 13.05
8 3/8	CLAY	X	To SURFACE
4 1/2	CLAY	X	To 1900
	CLAY	X	To 1900

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

1) Date: AUG 1, 19 85
Operator's
2) Well No. LAYFIELD # 1
3) API Well No. 47 - 105 -
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name CURTIS L. LAYFIELD
Address RT 2, BOX 56

(ii) Name ELIZABETH, W. VA. 26143
Address _____

(iii) Name _____
Address _____

5 (i) COAL OPERATOR NA
Address _____

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

Name _____
Address _____

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name NA
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 WW-2(B) 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 WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents well at the location described on attached Application and depicted on attached Form WW-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 Director of the Division of Oil and Gas.

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
AUG 7 1985

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included in 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 22B-1-8(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 WW-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

Ira David Bartram
this 6th day of August, 1985,
My commission expires 5/22, 1995.

Notary Public, Kanawha County,
State of W. Va.

WELL OPERATOR ALLIANCE RESOURCES CORP

By Glyn E Chambers
Its President
Address N. DALLAS BANK, SUITE 500
12900 PRESTON RD, DALLAS, TEX
Telephone 214-991-5908

09/29/2023

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 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, iv) 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 page</u>
CLOVER BELL	LEASE	PENNZOIL	1/8	DB 145 215
39 OTHERS	LEASE	CLINT HURT	1/8	DB 175 273-358
PENNZOIL	AGREEMENT	CLINT HURT		DB 175 643
CLINT HURT	AGREEMENT	ALLIANCE RESOURCES		DB 175 645

09/29/2023

RECEIVED
 DIVISION OF OIL & GAS
 AUG 1 1982



1) Date: AUG 1, 19 85
 2) Operator's Well No. LAYFIELD # 1
 3) API Well No. 47 State 105 County WIRT Permit SIKTA 7 1/2

**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: 1050 Watershed: CLAY RIVER RUN
 District: CLAY County: WIRT Quadrangle: SIKTA 7 1/2
- 6) WELL OPERATOR ALLIANCE RESOURCES 7) DESIGNATED AGENT GEORGE KING
 Address N. DALLAS BLVD, SUITE 500 Address RT 1, Box 24
12400 FRESTON RD, DALLAS, TX JAFGER, W. VA 24344
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name H. MER DAUGHERTY Name CLINT HURT
 Address _____ 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, MARCELLUS SHALE
- 12) Estimated depth of completed well, 5700 feet
 13) Approximate trata depths: Fresh, 200 feet; salt, 600 feet.
 14) Approximate coal seam depths: NA 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		Kinds	Sizes
Conductor										
Fresh water	<u>11 1/4</u>			<input checked="" type="checkbox"/>		<u>350</u>	<u>250</u>	<u>16</u>		
Coal										
Intermediate	<u>8 1/2</u>			<input checked="" type="checkbox"/>		<u>1400</u>	<u>1700</u>	<u>7</u>		
Production	<u>4 1/2</u>			<input checked="" type="checkbox"/>		<u>5700</u>	<u>5700</u>	<u>7</u>		
Tubing										
Liners										
									Perforations:	
									Top	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.)

NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)

Curtis L. Layfield Date: 7-30-85
 (Signature)
Betty L. Layfield Date: 7/30/85
 (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.

09/29/2023
Surface Owner

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AUG 7 1985

SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL DEPARTMENTS OF ENERGY
DRILLING PIT WASTE DISCHARGE

1. Company Name ALLIANCE RESOURCES CORP.
SUITE 500
2. Mailing Address 12900 PRESTON RD. DALLAS TEXAS
street city state zip
3. Telephone 214-991-5908 4. Well Name LAYFIELD #1
5. Latitude 39-05 Longitude 81-15
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-105-1186
8. County WIRT 9. Nearest Town ELIZABETH
10. Nearest Stream OIL ROCK RUN 11. Tributary of LITTLE KANAWHA RIVER
12. Will Discharge be Contracted Out? yes _____ no X
13. If Yes, Proposed Contractor _____
Address _____
Telephone _____
14. Proposed Disposal Method: UIC _____ Land application X
Off Site Disposal _____ Reuse _____ Centralized Treatment _____
Thermal Evaporation _____ Other _____
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

09/29/2023



DATE JULY 31, 1985
WELL NO. LAYFIELD-1
API NO. 47-105-1186

RECEIVED
AUG 7 1985

State of West Virginia
Department of ENERGY
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME ALLIANCE RESOURCES CORP. DESIGNATED AGENT GEORGE KING
Address 12900 PRESTON RD DALLAS, TEX. Address JAEGER, W. VA.
Telephone 214-991-5908 Telephone 304-938-2101
LANDOWNER CURTIS LAYFIELD SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by ALLIANCE RESOURCES CORP. (Agent)

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

field review

8/1/85
(Date)
Randall L. Atkinson
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (A)
Spacing 1-12" DIAMIN 1-30" DIA MIN (OOAC)
1-15" DIA MIN (SEE SKETCH)
Page Ref. Manual 2-7

Structure DIVERSION DITCH (1)
Material SOIL
Page Ref. Manual 2-12

Structure CRUSHED STONE (B)
Spacing 100'-150' APPROACH AS NEEDED
Page Ref. Manual 2-0

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure CROSS DRAINS (C)
Spacing 45-400 (AS NEEDED)
Page Ref. Manual 2-1

Structure ACCESS ROAD
Structure OPEN SIDE DITCH (D)
Material CUT SIDE OF ROAD
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 + II

Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch STRAW OR HAY 2 Tons/acre
Seed* ORCHARD GRASS 12 lbs/acre
LADINO CLOVER 3 lbs/acre
WINTER RYE 140 lbs/acre

~~Treatment Area~~
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

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

PLAN PREPARED BY DARRELL R. BOICE 09/29/2023 LL5

ADDRESS RT1, Box 92
ELIZABETH, W. VA.
PHONE NO. 304-474-3654

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

STATE OF WEST VIRGINIA

INFORMATION MEMO

TO: Norman Dougherty DATE: 8/8/85
 FROM: Margaret Wasse TIME: _____
 OF: _____ RECD. BY _____

TELEPHONE	NUMBER	EXT.

- | | |
|--|--|
| <input type="checkbox"/> PLEASE CALL | <input type="checkbox"/> RETURNING YOUR CALL |
| <input type="checkbox"/> WILL CALL AGAIN | <input type="checkbox"/> CALLED TO SEE YOU |

THE ATTACHED PAPERS ARE REFERRED

- PLEASE:
- | | |
|---|---|
| <input type="checkbox"/> SIGN | <input type="checkbox"/> PREPARE REPLY FOR MY SIGNATURE |
| <input type="checkbox"/> COMMENT | <input type="checkbox"/> REPLY DIRECTLY WITH COPY TO ME |
| <input type="checkbox"/> NOTE | <input type="checkbox"/> TAKE APPROPRIATE ACTION |
| <input type="checkbox"/> AS REQUESTED | <input type="checkbox"/> RETURN |
| <input type="checkbox"/> FOR YOUR INFORMATION | <input type="checkbox"/> ROUTE TO: _____ |
| <input type="checkbox"/> APPROVE | <input type="checkbox"/> FILE |
| <input type="checkbox"/> SEE ME | |

REMARKS/MESSAGE: Re: Alliance Resources
Layfield #1 casing - I took
this off the "water well" map.
Did not check any well
records. May not need so much
Use your good judgement!!

IV-35
(Rev 8-81)



Clint Hurt & Associates Rig #1
Date 9/9/85
Operator's
Well No. Layfield #1
Farm Layfield
API No. 47 - 105 - 1186

True filing

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1080' Watershed Oil Rock Run
District: Clay County Wirt Quadrangle Girta 7 1/2

COMPANY Alliance Resources, Inc.

ADDRESS 12900 Preston Rd., Ste. 500, Dallas, TX
75230

DESIGNATED AGENT George King

ADDRESS Rt. 1, Box 24, Iaeger, WV 24844

SURFACE OWNER Curtis Layfield

ADDRESS Rt. 2, Box 56, Elizabeth, WV 26143

MINERAL RIGHTS OWNER Clover Bell

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Homer
Linden Rt., Box 3A

Dougherty ADDRESS Looneyville, WV 25259

PERMIT ISSUED 8/7/85

DRILLING COMMENCED 8/9/85

DRILLING COMPLETED 8/17/85

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.			
13-10"	304.00'	304.00'	195 CF
9 5/8			
8 5/8	2130.10'	2130.10'	590 CF
7			
5 1/2			
4 1/2	—	4214.10'	607 CF
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5900' feet

Depth of completed well 4633' feet Rotary XX / Cable Tools

Water strata depth: Fresh feet; Salt feet

Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Lower Chemung & Hampshire Pay zone depth See back feet

Gas: Initial open flow Show Mcf/d Oil: Initial open flow Show Bbl/d

Final open flow 90 Mcf/d Final open flow — Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 425 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

09/29/2023

(Continue on reverse side)

WIRT 1186

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

1st Stage: N² Frac - BKDN 2300 psi; ATP 2450 psi; AIR 60,000 scf/M; ISI 2300 psi; 42 Holes (3779 - 4030')

2nd Stage: 90 Quality Foam Frac - BKDN 2000 psi; ATP 2615 psi; AIR 13.3 BPM; ISI 2000 psi; 50,000 lbs. 20/40 sand; 500 gal. 15% HCl; 858,000 scf N²; 258 Bbls. TMR.

(2477 - 2895') 32028/60

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 GAMMA RAY LOG - EKB 1085'

Sand and shale	0	410	
Sand	410	435	
Sand and shale	435	944	
Sand	944	974	
Sand and shale	974	1076	
Sand	1076	1187	
Sand and shale	1187	1273	
Sand	1273	1320	
Sand and shale	1320	1372	
Sand	1372	1411	
Sand	1411	1425	
Sand	1425	1487	
Sand	1487	1600	
Shale	1600	1685	
Sand	1685	1700	
Shale	1700	1783	
Maxton	1783	1866	
Big Lime	1866	1956	
Big Injun	1956	1956	
Squaw	1956	2018	
Shale	2018	2018	
Coffee Shale	2018	2390	
Silt and shale	2390	2399	
Gordon	2399	2505	
Silt and shale	2505	2522	
5th Sand	2522	2765	
Silt and shale	2765	2790	
Silt and shale	2790	2897	
Silt	2897	3680	
Silt and shale	3680	4633'	

Gas shows recorded by mud loggers:
 2382 - 2430'
 2454 - 2554'
 2502 - Increase
 2623 - 2649'
 2767 - 2798'
 3785 - TD
 Increases @:
 3848'
 3912'
 4498'

Well logged by:
 Young Wireline Services, Inc.

(Attach separate sheets as necessary)

GAMMA RAY TOPS:

Devonian Shale
 Hampshire 2482 - 2897'
 Chemung 2897 - 4471'
 Brallier 4471' -

Well Operator

Alliance Resources Corporation

By: W. Thomas W. Consulting Geologist

Date: September 10, 1985

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 ... encountered in the drilling of a well."

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

RECEIVED
AUG 20 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 105-1186

Oil or Gas Well _____
(KIND)

Company Alliance Resources
 Address Dallas, Texas
 Farm Clover Bell
 Well No. Layfield #1
 District Clay County Shut
 Drilling commenced 8-9-85
 Drilling completed _____ Total depth _____
 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			Kind of Packer _____
16			
13			
10 11 ³ / ₄		305	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 11³/₄ SIZE 305 No. FT 810-85 Date _____
 NAME OF SERVICE COMPANY Dowell
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Larry Nichols Pusher - Larry Moore
Clint Hurt Rig #2

Remarks: 8-10-85 - ran 305' of 11³/₄" surface pipe, cemented with 165 sk. of neat 3% CC 1/4 lb. floater Plug down 4:00 p.m. by Dowell.
8-12-85 - 1300 ft. dup drilling on fluid with 11" bit.

8-12-85
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

09/29/2023

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

09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 14 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
Oil or Gas Well _____
(KIND)

Permit No. 105-1186

Company <u>Alliance Resources Inc.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Dallas, Texas</u>	Size			
Farm <u>Cloues Bell</u>	16			Kind of Packer _____
Well No. <u>Layfield #1</u>	13			
District <u>Clay</u> County <u>West</u>	10			Size of _____
Drilling commenced _____	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 Larry Nichols Pusher Larry Moore
Clint Heurt Rig #2

Remarks: 8-8-85 - Constructed location with pit on upper side dug with hoe.
8-9-85 - Rig on location 3:30 P.M. no other loads arrived yet, pumping water in pit.

8-9-85
DATE

Homer H. Doughty
08/29/2023
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: _____

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

09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 20 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Permit No. 105-1186

Oil or Gas Well _____
(KIND)

Company <u>Alliance Resources</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Dallas, Texas</u>	Size			
Farm <u>Clower Bell</u>	16			Kind of Packer _____
Well No. <u>Layfield #1</u>	13			
District <u>Clay</u> County <u>Shut</u>	10			Size of _____
Drilling commenced <u>8-9-85</u>	8 5/8		2130	
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.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 8 5/8 SIZE 2130 No. FT 8-14-85 Date

NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Larry nichols - Pusher - Larry Moore
Clint Hunt Rig #2

Remarks:
8-14-85 - ran 2130 ft. of 8 5/8" pipe, cemented with 355 sks. of lightweight #5 10% salt 1% CC. + 115 sks. neat 3% CC 1/8lb. floater Plug down 11 P.M. by Dowell.
8-15-85 - rig just back in well with drill string drilling cement that was left inside of pipe on oil with 7 1/8" bit.

8-15-85
DATE

James H. Doughty
DISTRICT WELL INSPECTOR

09/29/2023

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS

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

09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 27 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Permit No. 105-1186

Oil or Gas Well _____
(KIND)

Company <u>Alliance Resources Inc</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Dallas, Texas</u>	Size			
Farm <u>Clower Bell</u>	16			Kind of Packer _____
Well No. <u>Layfield #1</u>	13			
District <u>Clay</u> County <u>West</u>	10			Size of _____
Drilling commenced <u>8/9/85</u>	8 3/4			Depth set _____
Drilling completed <u>8/17/85</u> Total depth <u>4635</u>	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	8 4 1/2		4222	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 <u>4 1/2</u> SIZE <u>4222</u> No. FT. <u>8/18/85</u> Date			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Larry Nichols Pusher Larry Wood

Remarks: 8/17/85 S.D. of Well 4635 ft. 8/17/85 Ran 4222 ft of 4 1/2" pipe and cemented with 390 sacks of R.F.C. Plug down 7:30 A.M. By Dowell
8/19/85 Rig moving off of location

8/19/85
DATE

Homes H. Dougherty
DISTRICT WELL INSPECTOR

09/29/2023

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

09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

INSPECTOR'S WELL REPORT

JAN 7 1986

Permit No. 105-1186 (8-07-85)

Oil or Gas Well _____
(KIND)

Company <u>Alliance Resources Inc.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Dallas, Texas</u>	Size			
Farm <u>Clover Bell</u>	16			Kind of Packer _____
Well No. <u>Layfield #1</u>	13			
District <u>Clay</u> County <u>West</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/2			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: 1-3-86 - Inspected Reclamation - O.K. to release

1-3-86
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR
09/29/2023

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

[Handwritten signature]

DISTRICT WELL INSPECTOR 09/29/2023

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 105 - 1186 -										
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA Category Code										
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4030' feet										
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Alliance Resources Corporation Name 12900 Preston Rd., Ste. 500 Street Dallas TX 75230 City State Zip Code										
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Clay District Field Name Wirt WV County State Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number										
(c) Name and identification number of this well: (35 letters and digits maximum.)	Layfield #1										
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)											
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) (b) Date of the contract:	Being negotiated Name Buyer Code Mo. Day Yr.										
(c) Estimated total annual production from the well:	14 Million Cubic Feet										
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 25%;">(a) Base Price</th> <th style="width: 25%;">(b) Tax</th> <th style="width: 20%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width: 15%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td>S/MMBTU</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> </tbody> </table>		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	S/MMBTU	-----	-----	-----	-----
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)							
S/MMBTU	-----	-----	-----	-----							
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>S/MMBTU</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> </tbody> </table>	S/MMBTU	-----	-----	-----	-----					
S/MMBTU	-----	-----	-----	-----							
9.0 Person responsible for this application:	W. Thomas White Consultant Name Title W. Thomas White Signature September 9, 1985 (304) 344-9864 Date Application is Completed Phone Number										

Agency Use Only
Date Received by Juris. Agency
SEP 16 1985
Date Received by FERC

OCT 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 9/9, 1985

1375

AGENCY USE ONLY

Applicant's Name: Alliance Resources Corp.

WELL DETERMINATION FILE NUMBER

Address: 12900 Preston Rd., Ste. 500
Dallas, Texas 75230

850916 -1030 -105 - 1186

Gas Purchaser Contract No. N/A

Use Above File Number on all
Communications Relating to This Well

Date of Contract _____
(Month, day and year)

First Purchaser: Uncom P629

Designated Agent: George King

Address: _____
(Street or P.O. Box)
(City) (State) (Zip Code)

Address: Rt. 1, Box 24,
Iaeger, WV 24844

FERC Seller Code _____

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: W. Thomas White Consultant to Operator
(Print) (Title)

Signature: W. Thomas White

Address: P. O. Box 3810
(Street or P.O. Box)
Charleston WV 25338

Telephone: (304) 344-9864
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
- XX 103 New Onshore Production Well
- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

09/29/2023

RECEIVED
SEP 16 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

Date September 9 19 85

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

Operator's Well No. Layfield #1

API Well No. 47 State 105 County 1186 Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

MGPA Section 103

DESIGNATED AGENT George King

ADDRESS Rt. 1, Box 24

Jaeger, WV 24844

WELL OPERATOR Alliance Resources Corp.

LOCATION Elevation 1080'

ADDRESS 12900 Preston Rd., Ste. 500

Watershed Oil Rock Run

Dallas, TX 75230

Dist. Clay County Wirt Quad Girta 7½'

GAS PURCHASER Being negotiated

Gas Purchase Contract No. _____

ADDRESS _____

Meter Chart Code _____

Date of Contract _____

Date surface drilling was begun 8/9/85

Indicate the bottom hole pressure of the well and explain how this was calculated

BHP = 470 psi

BHP = (e^x - 1) P + P

G = 0.6

x = $\frac{GL}{53.34T}$

L = 3254

T = 544°R

P = 425 psi

AFFIDAVIT

I, W. Thomas White, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19 1977, the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

W. Thomas White

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha TO WIT:

I, Herbert K. Derr, a Notary Public in and for the state and county aforesaid, do certify that W. Thomas White, whose name is signed to the writing above, bearing date the 10th day of SEPTEMBER, 1985, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 10th day of September, 1985. My term of office expires on the 30 day of April, 1991.

[NOTARIAL SEAL]

Herbert K. Derr
Notary Public

09/29/2023

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 105 - 1186 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4030' feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Alliance Resources Corporation			Seller Code
	Name 12900 Preston Rd., Ste. 500			
	Street Dallas	TX	75230	
	City	State	Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Clay District			
	Field Name			
	Wirt	WV		
	County	State		
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:			
				OCS Lease Number
	Mo.	Day	Yr.	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Layfield #1			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Being negotiated			Buyer Code
	Name			
(b) Date of the contract:				
	Mo.	Day	Yr.	
(c) Estimated total annual production from the well:	14 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
		(d) Total of (a), (b) and (c)		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	- . - - -	- . - - -	- . - - -
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	- . - - -	- . - - -	- . - - -
9.0 Person responsible for this application:	W. Thomas White			Consultant
Agency Use Only	Name			Title
Date Received by Juris. Agency	<i>W Thomas White</i>			
Date Received by FERC	Signature			
	September 9, 1985			(304) 344-9864
	Date Application is Completed			Phone Number

OCT 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 9/9, 19 85 1375

Applicant's Name: Alliance Resources Corp.

Address: 12900 Preston Rd., Ste. 500
Dallas, Texas 75230

Gas Purchaser Contract No. N/A

Date of Contract _____
(Month, day and year)

First Purchaser: Unicom P 629

Address: _____
(Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code _____

AGENCY USE ONLY Der

WELL DETERMINATION FILE NUMBER

850916 -1073-105 - 1186

Use Above File Number on all
Communications Relating to This Well

Designated Agent: George King

Address: Rt. 1, Box 24
Iaeger, WV 24844

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: W. Thomas White Consultant to Operator
(Print) (Title)

Signature: W. Thomas White

Address: P. O. Box 3810
(Street or P.O. Box)
Charleston WV 25338
(City) (State) (Zip Code)

Telephone: (304) 344-9864
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- XX 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

09/29/2023

RECEIVED
SEP 16 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Alliance Resources Corp. Agent: George King

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-105-1186 Well Name: Layfield #1

West Virginia Office of Oil and Gas County: Wirt
 References: SJA File No.

Vol. Page Line

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 172 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 172 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{172} \text{ *)} = \underline{120} \text{ API Units}$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

<u>Interval</u>		<u>Thickness of Interval Feet</u>	<u>Feet of less than* 0.7 (Shale Base Line) Feet</u>
<u>From**</u>	<u>To***</u>		
2482'	4633'	2151'	6'

Total Devonian Interval 2151'

Total Less Than 0.7 (Shale Base) 6'

% Less Than 0.7 (Shale Base Line) = $\frac{.0028}{.0028} \times 100 = \underline{0.28} \%$

09/29/2023

*Marked on log included with analysis.
 **Top of Devonian Section Recorded on First Interval in this Column.
 ***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Layfield #1

API Well No.
47 - 105 - 1186
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT George King

ADDRESS Rt. 1, Box 24
Iaeger, WV 24844

LOCATION Elevation 1080'
Watershed Oil Rock Run

WELL OPERATOR Alliance Resources Corp.
ADDRESS 12900 Preston Rd., Ste. 500
Dallas, TX 75230

Dist. Clay County Wirt Quad. Girta 7 1/2'

GAS PURCHASER Being negotiated
ADDRESS _____

Gas Purchase
Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling began: 8/9/85

Indicate the bottom hole pressure of the well and explain how this was calculated.

BHP = 470 psi	$BHP = (e^x - 1) P + P$	G = 0.6
	$x = \frac{GL}{53.34T}$	L = 3254
		T = 544°R
		P = 425 psi

AFFIDAVIT

I, W. Thomas White, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

W. Thomas White

STATE OF WEST VIRGINIA

COUNTY OF Kanawha, TO-WIT:

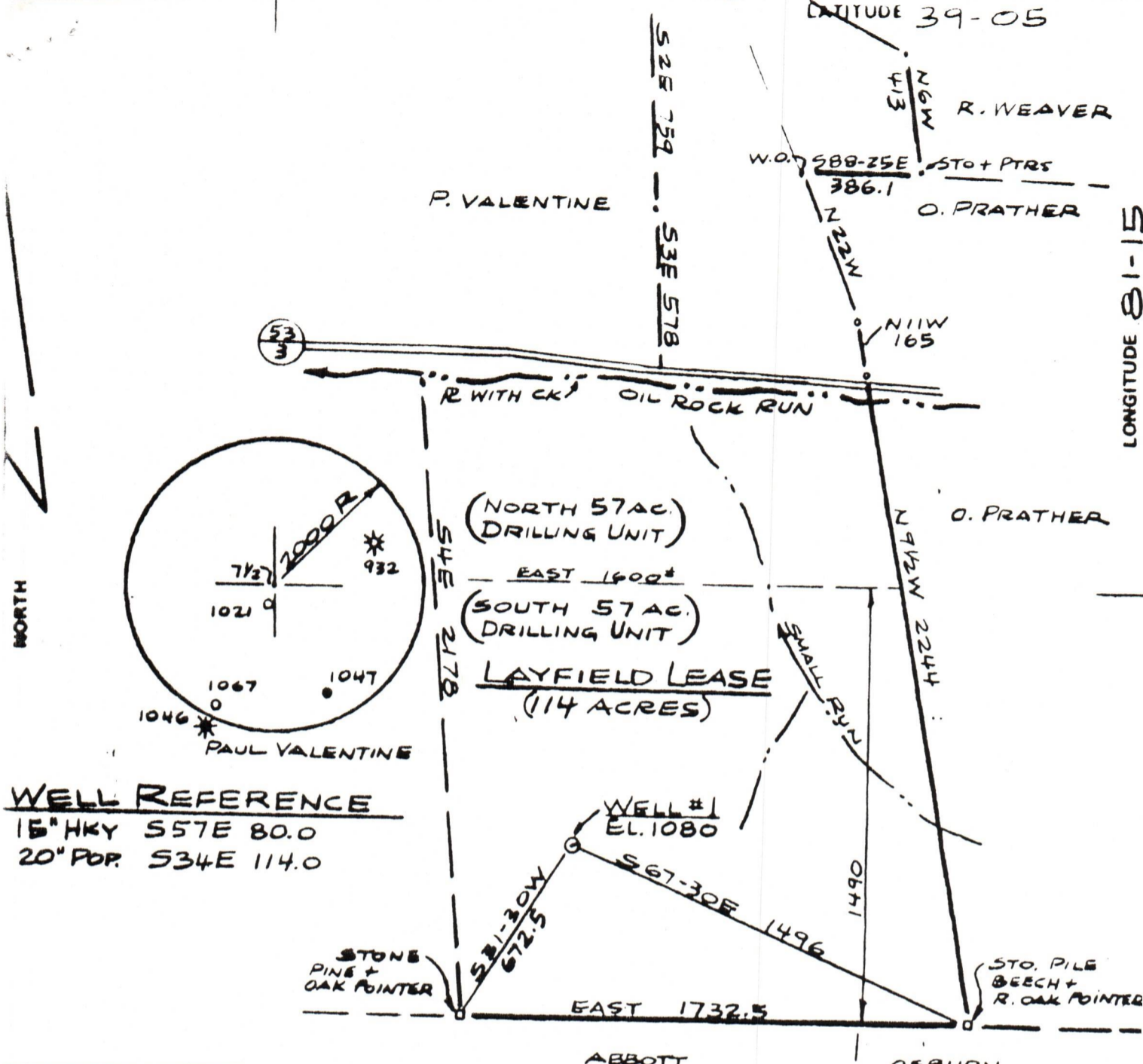
I, Herbert K. Derr, a Notary Public in and for the state and county aforesaid, do certify that W. Thomas White, whose name is signed to the writing above, bearing date the 10th day of SEPTEMBER, 1985, has acknowledged the same before me, in my county aforesaid.

09/29/2023

Given under my hand and official seal this 10th day of SEPTEMBER, 1985.
My term of office expires on the 30 day of April, 1991.

(NOTARIAL SEAL)

Herbert K Derr
Notary Public



WELL REFERENCE
 15" HKY S57E 80.0
 20" POP. S34E 114.0

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD FORKS
 ELEV. 1050 ~ 2500 N.E.
 RELOCATION

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) Daniel R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

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



DATE JULY 31, 1985
 OPERATOR'S WELL NO. LAYFIELD-1
 API WELL NO. _____
47-105-1186
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1080 WATER SHED OIL ROCK RUN
 DISTRICT CLAY COUNTY WIRT
 QUADRANGLE GIBTA 7 1/2
 SURFACE OWNER CURTIS LAYFIELD ACREAGE 114
 OIL & GAS ROYALTY OWNER CLOVER BELL LEASE ACREAGE 114
 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) _____

09/29/2023

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5900
 WELL OPERATOR ALLIANCE RESOURCES DESIGNATED AGENT GEORGE KING
 ADDRESS N. DALLAS BANK, SUITE 500 ADDRESS RT 1, BOX 24
12900 PRESTON RD, DALLAS, TEX. IAEGER, W. VA. 24844