



1) Date: Nov. 30, 19 83
 2) Operator's Well No. HAYS #1
 3) API Well No. 47 - 105 - 1115
 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 X / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X)
- 5) LOCATION: Elevation: 807' Watershed: BRUSHY FORK
 District: BURDING SPRINGS County: WIRT Quadrangle: GIRTA 712
- 6) WELL OPERATOR CLINT HURT + ASSOC., INC. 7) DESIGNATED AGENT I. DAVID BARTRAM
 Address P.O. Box 388 Address P.O. Box 388
ELKVIEW, W. VA. 25071 ELKVIEW, W. VA. 25071
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name HOMER DOUGHERTY Name CLINT HURT + ASSOCIATES, INC.
 Address LINDEN RT. BOX 3-A Address P.O. Box 388
LOONEYVILLE, W. VA. 25259 ELKVIEW, W. VA. 25071
- 10) PROPOSED WELL WORK: Drill X / 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, 5100 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

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 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLED OR SACKS (Cubic feet)	DEPT. OF MINES
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13 3/8		48	X		20'	20'		Kinds <u>TO SURFACE</u>
Fresh water	11 3/4		42	X		250'	250'		<u>TO SURFACE by rule</u>
Coal									Sizes <u>700' Fillup</u>
Intermediate	8 5/8		28	X		2100'	2100'		Depths set <u>TO 2100' or a</u>
Production	4 1/2		10.5	X		5100'	5100'		<u>reg. by rule</u>
Tubing									Perforations: <u>15.01</u>
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-105-1115 Date December 1, 1983

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 December 1, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET BOND	Agent: <u>LD</u>	Plat: <u>ML</u>	Casing: <u>MA</u>	Fee: <u>12982</u>
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[Signature]
 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: 12/10/83
 2) Operator: BRUSHY FORK
 Well No.: 102-1115
 3) APT Well No.:
 State: West Virginia
 County: Putnam

4) WELL: B (H) Gas, Production
 5) LOCATION: District: Putnam, County: West Virginia
 Well Operator: BRUSHY FORK ASSOCIATES, INC.
 Address: P.O. Box 388, Putnam, W.Va. 25071

6) DRILLING CONTRACTOR: BRUSHY FORK ASSOCIATES, INC.
 Name: HENNER DEWEERTY
 Address: P.O. Box 388, Putnam, W.Va. 25071

7) PROPOSED WELL WORK: Drill X
 Plug old formation
 Perforate new formation

8) OIL & GAS INSPECTOR TO BE NOTIFIED: HENNER DEWEERTY
 Address: P.O. Box 388, Putnam, W.Va. 25071

9) DRILLING CONTRACTOR: BRUSHY FORK ASSOCIATES, INC.
 Name: HENNER DEWEERTY
 Address: P.O. Box 388, Putnam, W.Va. 25071

10) APPROXIMATE COAL SEAM DEPTHS: 1200
 11) APPROXIMATE TRAP HEIGHTS: 2700
 12) ESTIMATED DEPTH OF COMPLETED WELL: 3700
 13) APPROXIMATE COAL SEAM DEPTHS: 1200
 14) APPROXIMATE TRAP HEIGHTS: 2700

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TRACING TYPE	DEPTH	PERFORATIONS	FEET	FEET	FEET
Production	1150	X	1150	1150	1150
Intermediate	875	X	875	875	875
Coal	1150	X	1150	1150	1150
Trapping	1150	X	1150	1150	1150

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: _____

01/05/2024



1) Date: _____, 19____
 2) Operator's Well No. _____
 3) API Well No. 47 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: _____ Watershed: _____
 District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____ Address _____
 7) DESIGNATED AGENT _____ Address _____
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name _____ Address _____
 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, _____
 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
 NOV 30 1983
 OIL & GAS DIVISION

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									Sizes
Coal									Depths set
Intermediate									Perforations:
Production									Top Bottom
Tubing									
Liners									

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 _____

x Maye Williams (Eva)
 (For execution by natural persons)
x Dallis Williams Date: 11-28-83
 (Signature)
Hansford R Williams Date: 11-28-83
 (Signature)

*Hansford R Williams attorney in fact for
 Willis A. Williams et ux, Charles L. Williams et ux, Curtis G. Williams et ux
 and Versa Carolyn Williams, wife of Hansford R. Williams
 Power of attorney recorded Book 168-37 Wirt County Clerks Office*

01/05/2024
 Surface Owner

**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.

1) Date: Nov. 30, 1983
2) Operator's Well No. HAYS #1
3) API Well No. 47-105-1115
State County Permit

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

- (i) Name MAYE + DALLIA WILLIAMS
Address _____
LEXINGTON, OHIO
- (ii) Name WILLIS + CHARLES WILLIAMS
Address _____
LEXINGTON, OHIO
- (iii) Name HANSFORD + CURTIS WILLIAMS
Address _____
LEXINGTON, OHIO

5(i) COAL OPERATOR NONE
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NONE
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name NONE
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.

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DEPT OF MINES

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

I DAVID BARTRAM
this 30 day of November, 1983.
My commission expires Feb 2, 1984.

Viola J. Archer
Notary Public, Kanawha County,
State of West Virginia

WELL OPERATOR CHRIST HURT + ASSOC., INC.
By David Bartram
Its DESIGNATED AGENT
Address P.O. Box 388
ELKVIEW, W. VA. 25071
Telephone (304) 344-2401

01/05/2024

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:

Grantor, lessor, etc.

Grantee, lessee, etc.

Royalty

Book Page

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

and all other notices required hereunder to be furnished to SWD shall be given or mailed to:

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

7. Roberts shall deliver to the credit of SWD, free of cost in a common-carrier pipeline, or the tanks, trucks and tank cars of the purchaser, an overriding royalty of five (5%) percent of all oil produced and saved from the described lands; and shall pay to SWD, an overriding royalty of five (5%) percent from the sale of the gas marketed from all of the wells drilled under this agreement.

This agreement and the assignments pursuant thereto are also made or to be made subject to the terms of the underlying leases and of the assignment there of from Glen W. Roberts and George Paul Roberts to SWD, which reserves a seven and one-half (7½%) percent overriding royalty for Glen W. Roberts, now held five (5%) percent by the Estate of Glen W. Roberts and two and one-half (2½%) percent by Denzil L. Prather.

8. The terms of this agreement shall also extend to and bind the leasehold estates created by renewals and replacements of said lease and the oil and gas produced by Roberts under the terms hereof and the terms of all agreements unitizing such leases and the renewal and replacements thereof.

9. The terms, conditions and covenants hereof shall extend to and be binding upon the respective personal representatives, heirs, successors and assigns of Roberts and SWD.

If the above correctly states our agreement, please indicate your acceptance and confirmation by signing two copies of this letter in the space provided below and return one copy to Southwestern Development Company, P. O. Box 91, Mineral Wells, WV 26150.

Yours very truly,
SOUTHWESTERN DEVELOPMENT COMPANY

By: *Denzil L. Prather*
Denzil L. Prather
Its Division Manager

Accepted and agreed to as of the
20th day of October, 1983.

George W. Roberts
George W. Roberts

ARTICLE 1

1.1 The purpose of this agreement is to define the rights and obligations of the parties...

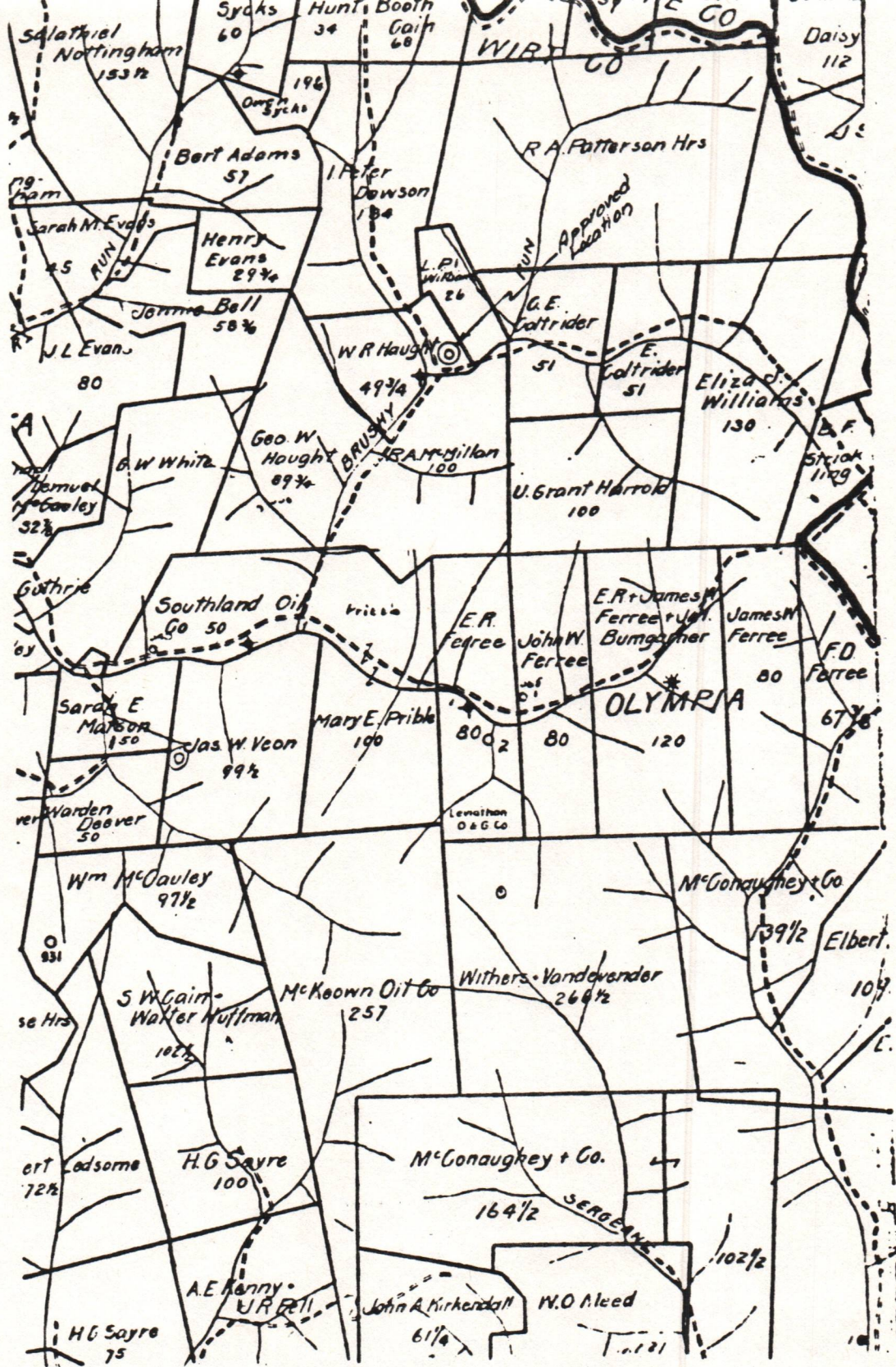
1.2 The parties agree that the subject matter of this agreement is the production of...

1.3 The parties agree that the subject matter of this agreement is the production of...

1.4 The parties agree that the subject matter of this agreement is the production of...

1.5 The parties agree that the subject matter of this agreement is the production of...

01/05/2024



This assignment, made this 25th day of
 October 1985, by Alliance Resource Corporation
 a Texas limited partnership, and
 Resources Corporation, a Texas corporation,
 hereinafter "Resource",
 witnesses that for the better and other
 good and sensible considerations Alliance
 Resource assigns to Allowance, the right
 subject to the terms and conditions hereinafter
 set forth, the right to sell the
 shale well required in the Southwestern
 Development Company farmment letter
 agreement with George W. Smith & Co. of
 which is attached hereto concerning the 200-
 east 25 acres of the 140 acre J.R. Hays et al
 140 acre lease in Planning Springs District, West
 Co. West Virginia referred to in said farmment
 agreement.

Allowance is to drill a lease to be drilled the
 said shale well, and farmment agreements and
 agreements are to be prepared in the same form and
 substance pertaining to the subject tract, as the
 those prepared for the present, except that the
 and been farmments, the terms and provisions of
 this assignment and agreement and the rights and
 duties of the parties
 being identical with
 those therein.
 In witness whereof
 the following signatures
 and seals:

ALLIANCE RESOURCE ACQUISITION LTD.
 By Brian Robinson (Seal)
 AND ALLIANCE RESOURCE CORPORATION
 By Brian Robinson (Seal)
 ALLIANCE RESOURCE CORPORATION
 By Brian Robinson (Seal)

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 OIL & GAS DIVISION
 DEPT. OF MINES

RECEIVED

NOV 3 0 1983

OIL & GAS DIVISION

DEPT. of MINES

01/05/2024

State of West Virginia } to-wit:
County of _____

Before me, a Notary Public of
said County, appeared this 25th day
of October, 1983, Brown Robinson,
who acknowledged to me that he
did sign the foregoing instrument
with due authority as he believed
himself and the other signers named
therein.

Lloyd E. Barber
Notary Public

My commission expires June 5 1992

This instrument
prepared by
George W. [unclear]

A-10

mailed
8-2-85



RECEIVED
JUN 24 1985

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

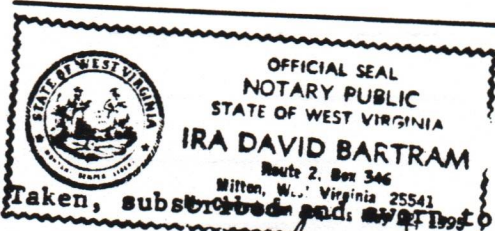
OIL & GAS DIVISION
DEPT. OF MINES

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from CLINT HURT & Associates, Inc (the transferor) to ALLIANCE RESOURCES CORPORATION INC 1375 (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22 Article 4 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

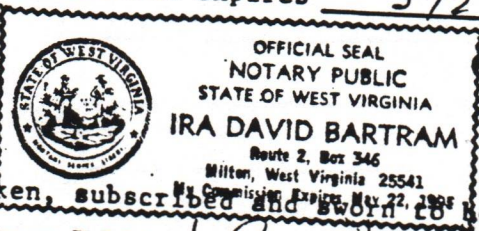
The transferee's designated agent (name) GEORGE KING, (address) RT 1, BOX 24, IAEGGER, W.VA. 24844 is on file with the Office of Oil and Gas.

The transferee has bonded the said wells by securities, cash, or surety (circle one) bond identified below by amount, effective date, issuing authority, and any identifying number.



(Transferee) Alliance Resources Corporation
By Glen E Chambers
Its President

Taken, subscribed and sworn to before me this 21st day of JUNE 19 85
Notary Public Ira David Bartram
My commission expires 5/22 19 95



(Transferor) Clint Hurt & Associates, Inc
By J. R. [Signature]
Its VICE PRESIDENT

Taken, subscribed and sworn to before me this 21st day of JUNE 19 85
Notary Public Ira David Bartram
My commission expires 5/22 19 95

ACCEPTED THIS 8 DAY OF JULY 1985
BY: [Signature]

A 11
23450,
1375

API (Permit) Number

Farm Name

Operator's Well Number

47-105-1114

ROBERTS #1

47-105-1103

ROBERTS #2

47-105-1115

HAYS #1

47-105-1105

MCCAULEY #1

47-105-1104

VEON #1

47-105-1121

EVANS #1

47-105-1130

WELLS #1

47-105-1128

WELLS #2

47-105-1156

DRENNEN #1

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AUG - 1 1984

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia

Department of Mines
Oil and Gas Division

Clint Hurt & Associates Rig
Date _____
Operator's _____
Well No. 1983A-LTD-6
Farm Hays #1
API No. 47 - 105 - 1115

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 807' Watershed Brushy Fork
District: Burning Spring County Wirt Quadrangle Girta 7 1/2

COMPANY Alliance Resources Corporation
ADDRESS 12900 Preston Rd., Dallas Texas 75230

DESIGNATED AGENT J. David Bartram
ADDRESS P. O. Box 388, Elkview, WV 25071

SURFACE OWNER W. Williams
ADDRESS _____

MINERAL RIGHTS OWNER Hays Heirs, et al
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty
ADDRESS Looneyville, WV 25259

PERMIT ISSUED 12/1/83
DRILLING COMMENCED 12/1/83

DRILLING COMPLETED 12/6/83

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"	284.45'	284.45'	159
9 5/8			
8 5/8	1917.19'	1917.19'	572
7			
5 1/2			
4 1/2	—	4793.32'	735
3			
2		4702.50'	
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5100' feet

Depth of completed well 4809' feet Rotary X / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt 1624' feet

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

OPEN FLOW DATA

Producing formation Hampshire, Chemung, Brallier Pay zone depth 2323-4727' feet

Gas: Initial open flow N.E.G. Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 275 Mcf/d Final open flow 10 Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure Tub. -120 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)

WIRT 1115

01/05/2024

B-2

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

Lower Chemung/Brallier - N₂/Acid Frac: BKDN 2350 psi; ATP 2895 psi; AIR 70,000 Scf/m
(1st Stage) ISI 1800 psi; N₂ 1,155,000 Scf; 2386 gals. 15%
HCl
38 Holes 4076 - 4727'

Middle Chemung - N₂/Acid Frac: BKDN 1700 psi; ATP 2455 psi; AIR 70,000 Scf/m
(2nd Stage) ISI 1500 psi; N₂ 1,151,500 Scf; 2052 gals. 15%
HCl
40 Holes 3385 - 4025'

Hampshire/Upper Chemung - N₂/Acid Frac: BKDN 1650 psi; ATP 25300 psi; AIR 70,000 Scf/m
(3rd Stage) ISI 1350 psi; N₂ 1,162,000 Scf; 2094 gals. 15%
HCl
38 Holes 2323 - 3293'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
FORMATIONS DEPTHS TAKEN FROM			GAMMA RAY LOG - EKB 815'		
Sand and shale			0	284	
Gas Sand			284	305	
Sand and shale			305	496	
Gas Sand			496	513	
Silt and shale			513	718	
Sand			718	730	Hole wet @ 1624' - Start soaping
Sand and shale			730	977	
Cow Run			977	1105	
Sand and shale			1105	1246	
Salt Sand			1246	1306	
Silt and shale			1306	1477	
Salt Sand			1477	1550	
Shale			1550	1575	
Maxton			1575	1658	
Shale			1658	1660	
Big Lime			1660	1734	Gas Checks @:
Big Injun			1734	1857	2600' - no show
Silt and shale			1857	2242	3200' - no show
Coffee Shale			2242	2257	3800' - no show
Silt and shale			2257	2354	4418' - no show
Gordon			2354	2373	4800' - no show
Silt and shale			2373	2616	
5th Sand			2616	2687	
Shale			2687	3469	
Silt and shale			3469	4399	
Siltstone			4399	4413	
Shale			4413	—	
TOTAL DEPTH			—	4809'	Well logged by Young Wireline
Gamma Ray Log Depths of Devonian Shale:					
Hampshire	2257-2741'				
Chemung	2741-4236'				
Brallier	4236' -				

(Attach separate sheets as necessary)

Alliance Resources Corporation

Well Operator

By:

Shirley E. Chamberlain

Date:

01/05/2024

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."

B-3

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

INSPECTOR'S WELL REPORT

Permit No. 105-1115

Oil or Gas Well _____
(KIND)

Company Clint Hurt + Assoc.
 Address Elkview, W.Va.
 Farm Hays Hirs etal
 Well No. Hays #1
 District Burning Springs County Wirt
 Drilling commenced 12/1/83
 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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

RECEIVED
 DEC 9 1983
 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 Rick Knight Pusher Danny Starches
Clint Hurt Rig #1
 Remarks: 12/5/83 02700 ft. Deep drilling on air with 7 7/8" Bit

12/5/83
DATE

Homer H. Dougherty 01/05/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

01/05/2024
DISTRICT WELL INSPECTOR

B-4

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

RECEIVED
DEC 9 1983

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 105-1115

Oil or Gas Well _____
(KIND)

Company Clint Hurt + Assoc.
 Address Elkview, W.Va.
 Farm Hays Heis etal
 Well No. Hays #1
 District Burning Springs County Wirt
 Drilling commenced 12/1/83
 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			
16			Kind of Packer _____
13			
<u>11 3/4</u>		<u>294 K.B.</u>	Size of _____
<u>8 5/8</u>		<u>1970 K.B.</u>	
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 11 3/4 SIZE 294 No. FT. 12/2/83 Date
 NAME OF SERVICE COMPANY Dowell
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Rick Knight Pusher Danny Starches
Clint Hurt Rig #1

Remarks: 12/1/83 Moved on & Rigged up and started drilling.
12/2/83 Ran 294 ft. K.B. of 11 3/4" surface pipe and cem. with 135 sacks
of Regular 3% C.C. Plug Down 10:45 a.m. By Dowell.
12/4/83 Ran 1970 ft K.B. of 8 5/8" pipe & cemented with 355 Sacks
of light Weight 5 10% Salt and 100 Sacks of Regular 3% C.C.
Plug Down 1:30 P.M. By Dowell.
12/5/83

Homer H. Dougherty 01/05/2024
 DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

DATE

01/05/2024

DISTRICT WELL INSPECTOR

B-5

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

RECEIVED

DEC 13 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1115

Oil or Gas Well _____
(KIND)

Company Clint Hurt,
 Address Elkview, W. Va.
 Farm Hays Heiss etal
 Well No. Hays #1
 District Burning Springs County West
 Drilling commenced 12/1/83
 Drilling completed 12/6/83 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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

Drillers' Names Rick Knight Pusher Danny Starcher
Clint Hurt Rig #1

Remarks: 12/7/83 O Well drilled in 4 1/2" pipe run Rig Ripped down ready to move, no one on location.

12/7/83
DATE

Homer H. Dougherty 01/05/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
	PLUGS USED AND DEPTH PLACED		LEAD	CONSTRUCTION-LOCATION	CASING AND TUBING		
	CEMENT-THICKNESS	WOOD-SIZE			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DATE

01/05/2024
DISTRICT WELL INSPECTOR

B-6

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

RECEIVED
MAY 3 1 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 105-1115

Oil or Gas Well _____
(KIND)

Company Clint Hart & Assoc.
 Address Elkview, W.Va.
 Farm Hays Heirs
 Well No. Hays #1
 District Burnings Springs County Wirt
 Drilling commenced 12/1/84
 Drilling completed 12/7/84 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			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

Drillers' Names _____

Remarks: Inspected location about reclamation
5/24/84 Merrille does service working on reclaiming
Location. Does filling pit. Location is in level bottom.

5/24/84
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

01/05/2024

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
01/05/2024

RECEIVED

JUL 15 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

Date: 7-10, 1985
Operator's Well No. 1983A-CTD-6
Hays #1
API Well No. 47-105-1115
State County Permit

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR ALLIANCE RESOURCES CORP.
Address 12900 PRESTON RD., STE. 500
DALLAS, TEXAS 75230
(214) 991-5908

DESIGNATED AGENT J David BARTMAN
Address P.O. Box 388
ELKVIEW, WVA 25071

GEOLOGICAL TARGET FORMATION: Marcellus Shale Depth 4800'
Perforation Interval 2323 - 4727'

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 51.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

START OF TEST-DATE		TIME	END OF TEST-DATE		TIME	DURATION OF TEST	
6-25-85		8:00 AM	6-26-85		8:00 AM	24 hrs	
TUBING PRESSURE	60#	CASING PRESSURE	190#	SEPARATOR PRESSURE	40	SEPARATOR TEMPERATURE	
OIL PRODUCTION DURING TEST		GAS PRODUCTION DURING TEST		WATER PRODUCTION DURING TEST & SALINITY			
0 bbls.		40 Mcf		0 bbls.			
OIL GRAVITY		°API		PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			
0				Flowing			

MEASUREMENT METHOD		GAS PRODUCTION	
FLANGE TAP <input checked="" type="checkbox"/>	PIPE TAP <input type="checkbox"/>	L-10 <input type="checkbox"/>	POSITIVE CHOKE <input checked="" type="checkbox"/>
ORIFICE DIAMETER	3/4"	PIPE DIAMETER (INSIDE DIAM.)	2
DIFFERENTIAL PRESSURE RANGE		NOMINAL CHOKE SIZE - IN.	1/2
DIFFERENTIAL	STATIC	PROVER & ORIFICE DIAM. - IN.	
GAS GRAVITY (Air=1.0)	MEASURED	GAS GRAVITY (Air=1.0)	ESTIMATED
24 HOUR COEFFICIENT		GAS TEMPERATURE	°F
		24 HOUR COEFFICIENT	
		PRESSURE -	psia

TEST RESULTS			
DAILY OIL	DAILY WATER	DAILY GAS	GAS-OIL RATIO
0 bbls.	0 bbls.	40 Mcf.	0 SCF/STB

ALLIANCE RESOURCES CORP.
12900 PRESTON RD., STE. 500
DALLAS, TEXAS 75230
(214) 991-5908

By: Glen E Chamber
Its: President

01/05/2024

B-12



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

RECEIVED
JUN 26 1985
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 13, 1985

COMPANY Clint Hurt & Associates, Inc.

PERMIT NO 105-1115 (12-01-83)

P. O. Box 388

FARM & WELL NO W. Williams, Hays 1

Elkview, West Virginia 25071

DIST. & COUNTY Burning Springs/Wirt

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:

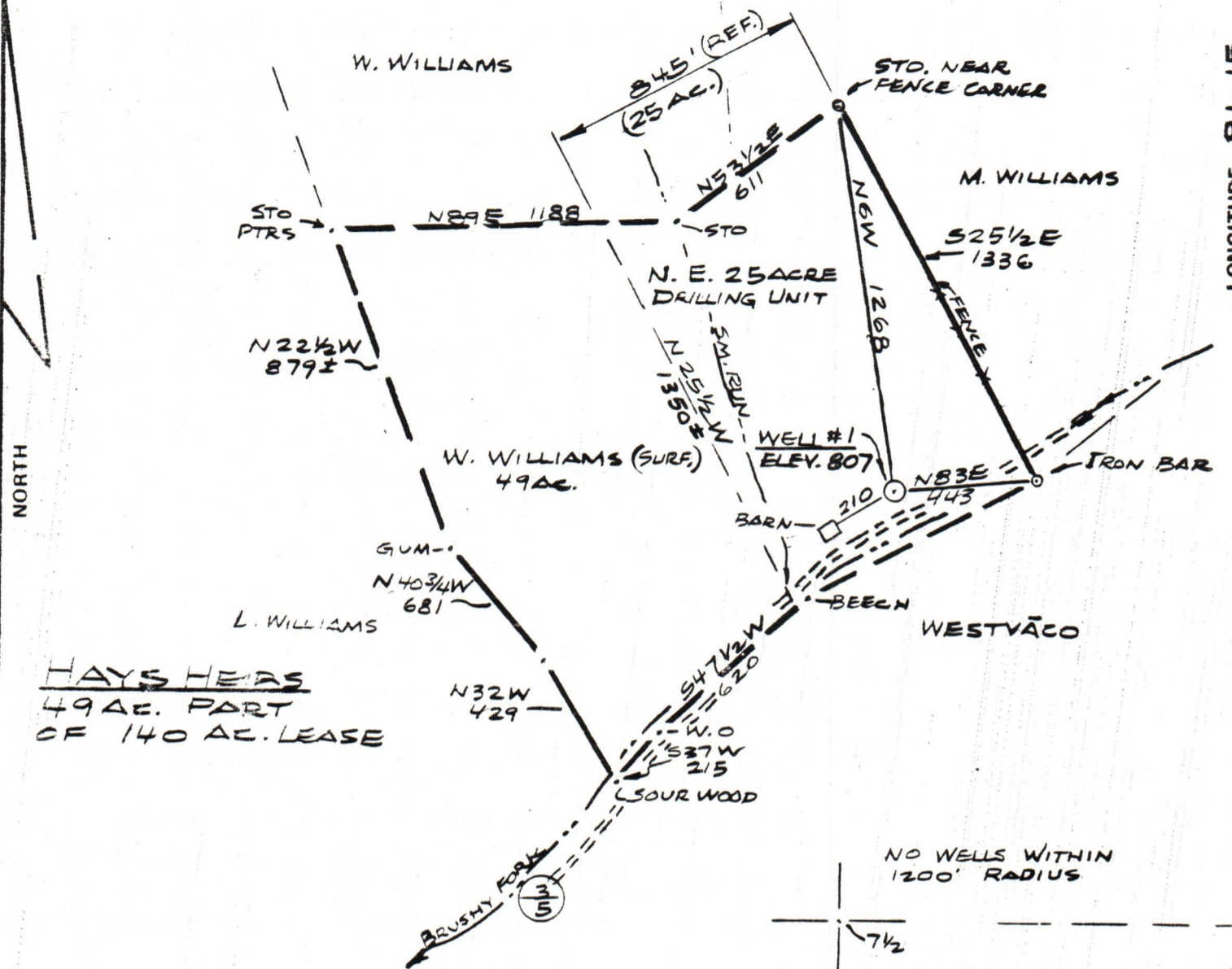
SIGNED Homer H. Dougherty
DATE 6/19/85

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 3, 1985
DATE

01/05/2024



HAYS HEIRS
49 AC. PART
OF 140 AC. LEASE

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500
MINIMUM DEGREE OF
ACCURACY 1 IN 200
PROVEN SOURCE OF
ELEVATION INTERSECTION OF
ROADS ELEV. 758

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) Carroll R Boice
R.P.E. _____ L.I.S. 667

PLACE SEAL HERE

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



DATE NOVEMBER 8, 1983
OPERATOR'S WELL NO. HAYS-1
API WELL NO. _____
47-105-1115
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 807 WATER SHED BRUSHY FORK
DISTRICT BURNING SPRINGS COUNTY WIRT
QUADRANGLE GIRTA 7 1/2
SURFACE OWNER W. WILLIAMS ACREAGE 49
OIL & GAS ROYALTY OWNER HAYS HEIRS ETAL LEASE ACREAGE 140 01/05/2024
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW
FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000
WELL OPERATOR CLINT HURT DESIGNATED AGENT I. DAVID BARTRAM
ADDRESS P.O. BOX 388 ADDRESS P.O. BOX 388
ELKVIEW, W. VA. 25071 ELKVIEW, W. VA. 25071

covenants contained in the above described oil and gas lease and all renewals and replacements thereof, insofar as those covenants affect the leasehold estates hereafter assigned by SWD to Roberts.

3. If any well is completed by Roberts as a dry hole or any producing well of Roberts shall cease to produce oil or gas in marketable quantities, then Roberts shall, subject to the provision of paragraph four (4), plug and abandon the same in the manner required by the laws of the State of West Virginia.

4. Before Roberts abandons any well drilled on the lands subject to this agreement, Roberts shall give to SWD thirty (30) days notice, in writing, of their intention to abandon such well, during which period of thirty (30) days SWD shall have the right to purchase the well and materials therein, together with the leasehold estates necessary to operate the well, all for the sum of money equal to the salvage value of the materials in and upon the well at that time, provided, however, that in the event the rig and other equipment used to drill the well is on the well location at the time such notice is given, then Roberts shall give to SWD, forty-eight (48) hours notice by telephone, exclusive of Saturday, Sunday, or a legal holiday. If SWD purchases such well, material and estates, Roberts shall execute and deliver to SWD the proper instruments of transfer therefor.

5. During the drilling of any well on the lands described in the oil and gas leases above described, Roberts shall furnish SWD with a copy of the location plat and daily drilling report, and SWD's representatives shall have access to the premises and derrick floor at all times during the drilling, coring, logging and completion of the well. SWD shall be furnished with all information pertaining to the drilling, coring, logging and testing of formations encountered, including but not limited to, copies of logs, core analyses, drill stem tests and fluid analyses. Representative samples of drill cuttings taken at intervals of ten (10) feet or less from below the surface pipe to the total depth shall be saved, washed and dried and supplied SWD; and SWD shall have the right to examine and chip at any time any cores taken. Roberts shall also notify SWD of any intended coring, logging, testing and the encountering and drilling of all potential pay zones in time for SWD's representatives to be present and to witness such operations. Roberts further agrees, upon completion of any well drilled hereunder, to deliver to SWD a complete log thereof, certified as being correct, together with copy of gamma ray log from surface to total depth, a gamma gamma density-caliper log and an induction log from surface to total depth, and any other logs and surveys, drill stem tests, core analyses and fluid analyses, made and not previously delivered.

6. All samples and copies of reports, logs, tests and other information to be furnished to SWD under paragraph five (5) above, shall be given or mailed to:

A 8

PHONE
304-489-2222

October 20, 1983

George W. Roberts
P. O. Box 92
Elizabeth, West Virginia 26143

Dear Mr. Roberts:

This letter is intended to outline for acceptance and confirmation our agreement with respect to the development of oil and gas and the assignment of leasehold estates in certain lands in Burning Springs District, Wirt County, West Virginia, which lands are described as follows:

Being the northeasterly twenty-five (25) acres of the J. R. Hays and other Lease with ratification by T. R. Hays and Jeanne Hays, his wife, recorded in Deed Book 115, Page 430 and Eleanor Hays, unmarried, in Deed Book 115, Page 430, and, a Lease by R. L. Haught and others with a ratification by Mary Ann Rexroad, unmarried, recorded in Deed Book 115, Page 445 and assigned to Southwestern Development Company by Glen W. Roberts and George Paul Roberts, situate on waters of Brushy Fork Creek, containing approximately 140 acres, said assignment being dated June 1, 1957 and recorded in Book No. 117, at Page 56 in the records of the County Clerk of Wirt County, West Virginia.

George W. Roberts is hereinafter referred to as "Roberts" and Southwestern Development Company is referred to as "SWD."

1. On or before March 16, 1984, Roberts shall commence the drilling of a well at the location as shown on the attached map, and shall complete said well with due diligence and dispatch and in a workmanlike manner to a depth sufficient to test the Devonian Shale formation for the production of oil and gas. If the well is commenced on or before March 16, 1984, and is drilled in the manner specified, then SWD shall assign to Roberts all of SWD's right, title and interest in and to the leasehold oil and gas and the oil and gas leasehold estates in and under the tract of land.

2. Roberts shall indemnify and save harmless SWD from all claims, demands, costs, payments, losses, damages and actions which may arise out of Roberts operations under the terms hereof and from

01/05/2024



State of West Virginia
Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

DATE Nov 7, 1983
WELL NO. HAYS #1
API NO. 47-105-1115

COMPANY NAME CLINT HURT
ADDRESS P.O. BOX 388
ELKVIEW, W.VA. 25071
Telephone 304 344-2401
LANDOWNER W. WILLIAMS

DESIGNATED AGENT I. DAVID BARTRAM
ADDRESS _____
SAME
Telephone 304-344-2401
SOIL CONS. DISTRICT LITTLE KANAWHA (Agent)

Revegetation to be carried out by CLINT HURT

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-9-83 (Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

Structure CRUSHED STONE (A)
Spacing AS NEEDED
Page Ref. Manual _____

Structure _____ (B)
Spacing _____
Page Ref. Manual _____

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

RECEIVED
NOV 30 1983
OIL & GAS DIVISION
DEPT. OF MINES

Structure _____
Material _____
Page Ref. Manual _____

Structure _____
Material _____
Page Ref. Manual _____

Structure _____
Material _____
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 + II

Line _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch STRAW 2 Tons/acre
Seed* FESCUE 40 lbs/acre
REDTOP 5 lbs/acre
_____ lbs/acre
_____ lbs/acre

Treatment Area II

Line _____ Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre
_____ lbs/acre

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

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

PLAN PREPARED BY DARRELL R. BOICE, LLS
ADDRESS RT 1, BOX 92
ELIZABETH, W.VA
PHONE NO. 304 474-3654

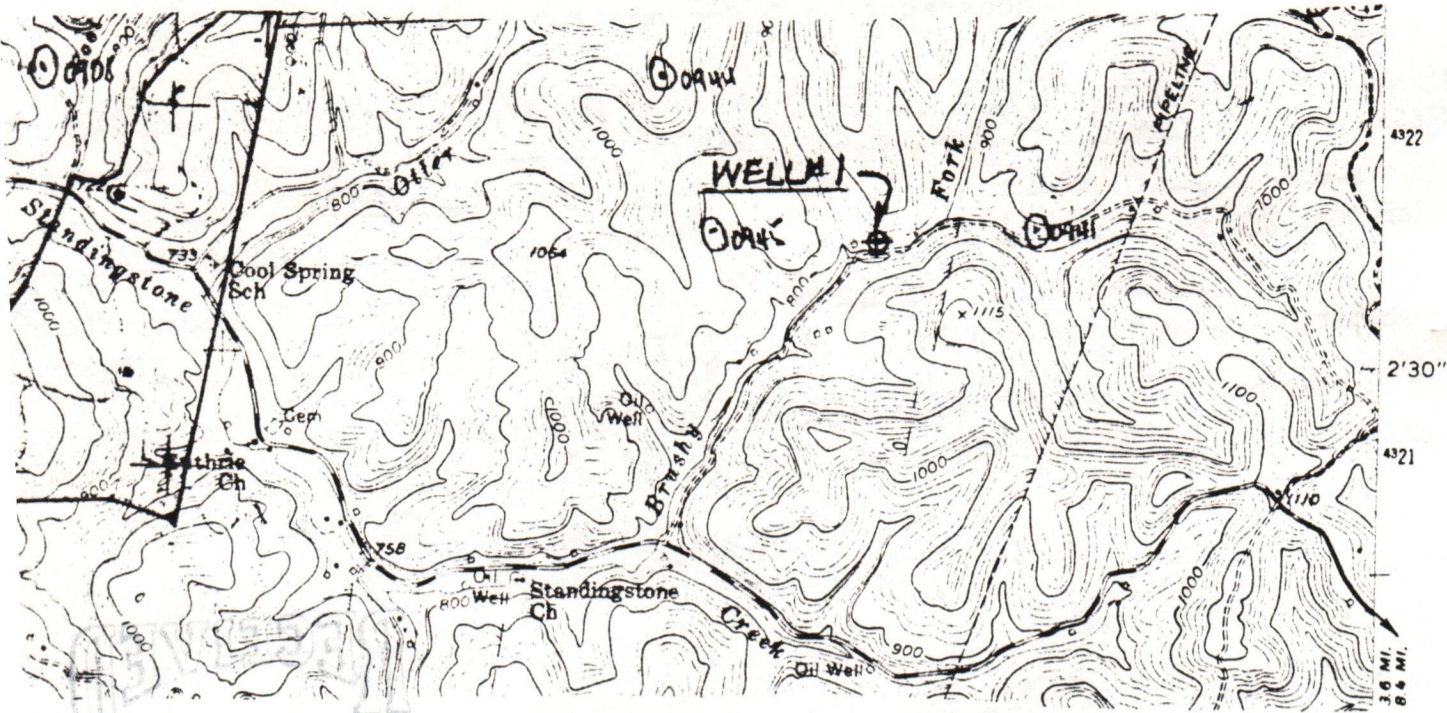
SKETCH

01/05/2024

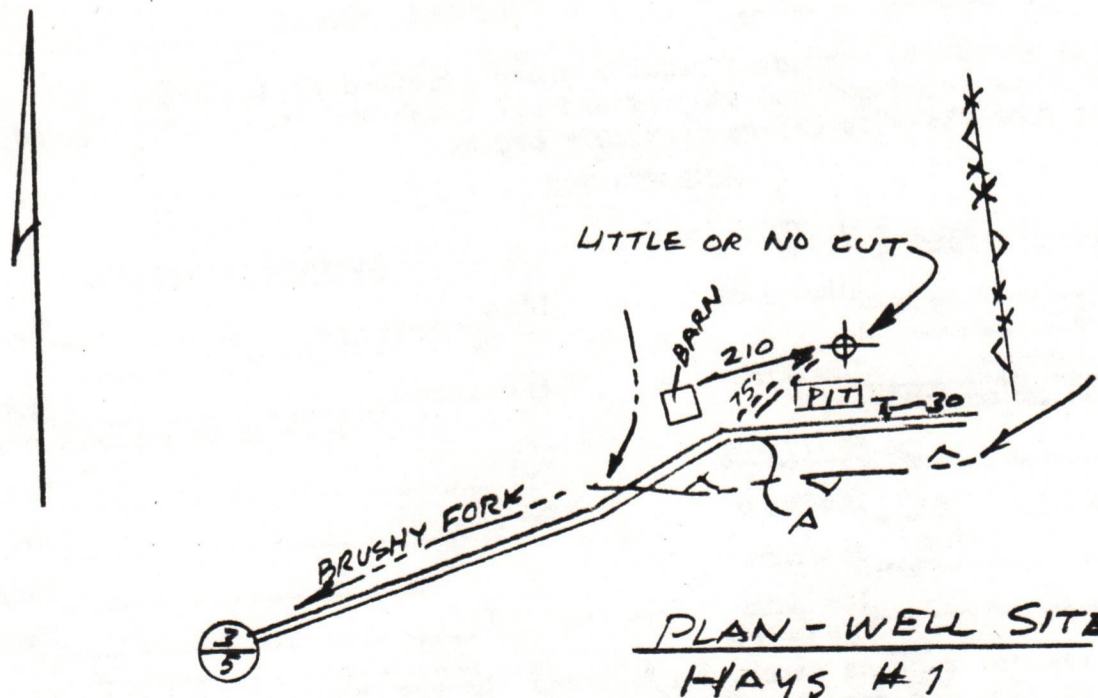
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE GIRTA 7 1/2

A-6

LEGEND
WELL SITE ⊕ ACCESS ROAD —



LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet spot	
Building	
Drain pipe	
Waterway	



- Comments:
1. NO TREES, LITTLE BRUSH
 2. ACCESS ROAD = ~ 75' 0-5% GRADE
 3. LOCATION - FLAT CREEK BOTTOM
 4. _____
 5. _____

01/05/2024

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

and all other notices required hereunder to be furnished to SWD shall be given or mailed to:

PRENCO
P. O. Box 91
Mineral Wells, W. Va. 26150

7. Roberts shall deliver to the credit of SWD, free of cost in a common-carrier pipeline, or the tanks, trucks and tank cars of the purchaser, an overriding royalty of five (5%) percent of all oil produced and saved from the described lands; and shall pay to SWD, an overriding royalty of five (5%) percent from the sale of the gas marketed from all of the wells drilled under this agreement.

This agreement and the assignments pursuant thereto are also made or to be made subject to the terms of the underlying leases and of the assignment there of from Glen W. Roberts and George Paul Roberts to SWD, which reserves a seven and one-half (7½%) percent overriding royalty for Glen W. Roberts, now held five (5%) percent by the Estate of Glen W. Roberts and two and one-half (2½%) percent by Denzil L. Prather.

8. The terms of this agreement shall also extend to and bind the leasehold estates created by renewals and replacements of said lease and the oil and gas produced by Roberts under the terms hereof and the terms of all agreements unitizing such leases and the renewals and replacements thereof.

9. The terms, conditions and covenants hereof shall extend to and be binding upon the respective personal representatives, heirs, successors and assigns of Roberts and SWD.

If the above correctly states our agreement, please indicate your acceptance and confirmation by signing two copies of this letter in the space provided below and return one copy to Southwestern Development Company, P. O. Box 91, Mineral Wells, WV 26150.

Yours very truly,

SOUTHWESTERN DEVELOPMENT COMPANY

By: *Denzil L. Prather*
Denzil L. Prather
Its Division Manager

Accepted and agreed to as of the
20th day of October, 1983.

George W. Roberts
George W. Roberts

Handwritten text at the top of the page, including a date and possibly a title or reference number. The text is faint and difficult to read.



George W Roberts to
Alliance Heritage Acquisition, Ltd.

This assignment, made this 25th day
of October, 1983, by George W Roberts
(hereafter "Roberts") to Alliance Heritage
Acquisition, Ltd., a Texas limited partnership
(hereafter "Alliance Heritage").

Witnesses first for one Dollar and other
good and valuable considerations, Roberts
assigns to Alliance Heritage, subject to the
terms and reservations hereinafter referred
to, the right to drill the shale well required
in the above farmout letter agreement
from Smithwestern Development Company
to Roberts ^{acquired 100% in} attached hereto concerning the
northwest 25 acres out of 70 I.R. Keys
et al 140 acre lease in Trinity Springs
District West Co. West Oklahoma to
in said farmout agreement.

Alliance Heritage, its dealer or contractor
to drill the shale well as required
in said farmout, and farmout agreements
and assignments pertaining thereto
are to be prepared in the same form
and substance as in the previous
cases of Smithwestern Development
Company farmouts transferred by
Roberts to Alliance Heritage, the
terms and conditions and reservations
~~herein~~ incorporated herein with

SECTION 2

respect to Keys et al, Inc, including
but not restricted to the usual matter
to Roberts of rights below the top of
the Combe Ironstone, various
overriding royalties, and other
rights as specified in the transfer
documents for the McCauley and
Vear 25-acre parcels.

by witness showing the
following signature and seal

George W. Robertson

State of Kentucky
County of Grant

Before me, a Notary Public of said County, personally
appeared the above named George W. Robertson, who acknowledged
that he did sign the foregoing instrument this 25th day of
October, 1983.

George W. Robertson
Notary Public

My commission expires June 5, 1992

This instrument
required by
George W. Robertson

SOUTHWESTERN DEVELOPMENT COMPANY

STATE ROUTE 14 - P.O. BOX 91
MINERAL WELLS, WEST VIRGINIA 26150

PHONE
304-489-2222

October 20, 1983

George W. Roberts
P. O. Box 92
Elizabeth, West Virginia 26143

Dear Mr. Roberts:

This letter is intended to outline for acceptance and confirmation our agreement with respect to the development of oil and gas and the assignment of leasehold estates in certain lands in Burning Springs District, Wirt County, West Virginia, which lands are described as follows:

Being the northeasterly twenty-five (25) acres of the J. R. Hays and other Lease with ratification by T. R. Hays and Jeanne Hays, his wife, recorded in Deed Book 115, Page 430 and Eleanor Hays, unmarried, in Deed Book 115, Page 430, and, a Lease by R. L. Haught and others with a ratification by Mary Ann Rexroad, unmarried, recorded in Deed Book 115, Page 445 and assigned to Southwestern Development Company by Glen W. Roberts and George Paul Roberts, situate on waters of Brushy Fork Creek, containing approximately 140 acres, said assignment being dated June 1, 1957 and recorded in Book No. 117, at Page 56 in the records of the County Clerk of Wirt County, West Virginia.

George W. Roberts is hereinafter referred to as "Roberts" and Southwestern Development Company is referred to as "SWD."

1. On or before March 16, 1984, Roberts shall commence the drilling of a well at the location as shown on the attached map, and shall complete said well with due diligence and dispatch and in a workmanlike manner to a depth sufficient to test the Devonian Shale formation for the production of oil and gas. If the well is commenced on or before March 16, 1984, and is drilled in the manner specified, then SWD shall assign to Roberts all of SWD's right, title and interest in and to the leasehold oil and gas and the oil and gas leasehold estates in and under the tract of land.

2. Roberts shall indemnify and save harmless SWD from all claims, demands, costs, payments, losses, damages and actions which may arise out of Roberts operations under the terms hereof and from

01/05/2024

covenants contained in the above described oil and gas lease and all renewals and replacements thereof, insofar as those covenants affect the leasehold estates hereafter assigned by SWD to Roberts.

3. If any well is completed by Roberts as a dry hole or any producing well of Roberts shall cease to produce oil or gas in marketable quantities, then Roberts shall, subject to the provision of paragraph four (4), plug and abandon the same in the manner required by the laws of the State of West Virginia.

4. Before Roberts abandons any well drilled on the lands subject to this agreement, Roberts shall give to SWD thirty (30) days notice, in writing, of their intention to abandon such well, during which period of thirty (30) days SWD shall have the right to purchase the well and materials therein, together with the leasehold estates necessary to operate the well, all for the sum of money equal to the salvage value of the materials in and upon the well at that time, provided, however, that in the event the rig and other equipment used to drill the well is on the well location at the time such notice is given, then Roberts shall give to SWD, forty-eight (48) hours notice by telephone, exclusive of Saturday, Sunday, or a legal holiday. If SWD purchases such well, material and estates, Roberts shall execute and deliver to SWD the proper instruments of transfer therefor.

5. During the drilling of any well on the lands described in the oil and gas leases above described, Roberts shall furnish SWD with a copy of the location plat and daily drilling report, and SWD's representatives shall have access to the premises and derrick floor at all times during the drilling, coring, logging and completion of the well. SWD shall be furnished with all information pertaining to the drilling, coring, logging and testing of formations encountered, including but not limited to, copies of logs, core analyses, drill stem tests and fluid analyses. Representative samples of drill cuttings taken at intervals of ten (10) feet or less from below the surface pipe to the total depth shall be saved, washed and dried and supplied to SWD; and SWD shall have the right to examine and chip at any time any cores taken. Roberts shall also notify SWD of any intended coring, logging, testing and the encountering and drilling of all potential pay zones in time for SWD's representatives to be present and to witness such operations. Roberts further agrees, upon completion of any well drilled hereunder, to deliver to SWD a complete log thereof, certified as being correct, together with copy of gamma ray log from surface to total depth, a gamma gamma density-caliper log and an induction log from surface to total depth, and any other logs and surveys, drill stem tests, core analyses and fluid analyses, made and not previously delivered.

6. All samples and copies of reports, logs, tests and other information to be furnished to SWD under paragraph five (5) above, shall be given or mailed to:

