



1) Date: September 10, 19 84
 2) Operator's Well No. Baker #1
 3) API Well No. 47 - 085 - 7136
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X)
- 5) LOCATION: Elevation: 1133" Watershed: South Fork of Hughes River LKH9
 District: Union County: Ritchie Quadrangle: Burnthouse 7.5
- 6) WELL OPERATOR North Hills Investment Co. 7) DESIGNATED AGENT Walter C. Crane
 Address 212 E. Pierpoint St. Address 212 E. Pierpoint St.
Harrisville, WV 26362 Harrisville, WV 26362
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Samuel N. Hersman Name
 Address P.O. Box 66 Address
Smithville, WV 26178
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5500' feet
 13) Approximate trata depths: Fresh, 80' feet; salt, feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X

RECEIVED
 SEP 14 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	113/4		42		X	40'	0		Kinds
Fresh water									
Coal									Sizes
Intermediate	85/8		20	X		1233'	1233'	Fill as required	ETS NEAT
Production	41/2		10.5	X		5500'	5500'	Fill as required	
Tubing								By rule 15-01	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-7136 Date September 19, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires September 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <u>106</u>	Agent: <u>LS</u>	Plat: <u>MU MU</u>	Casing <u>MU</u>	Fee <u>1919</u>
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Margaret J. Hassel
 Administrator, Office of Oil and Gas



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OFFICE USE ONLY

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

RECEIVED
SEP 14 1088

1) LOCATION: South Fork of Hudson River, Union County, Ritchie
2) OPERATOR: North Hills Investment Co., Harrisville, W.V. 26365
3) PROPOSED WELL WORK: [Blank]
4) GEOLOGICAL TARGET FORMATION: [Blank]

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: _____

BLANKET
100
20/10/14/14/14

09/29/2023

1) Date: AUGUST 16, 1984
2) Operator's Well No. BAKER # 1
3) API Well No. 47-085-7136
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 BRADY BAKER
Address RT. 2
HARRISVILLE, WV 26362

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR N/A
Address _____

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

Name _____
Address _____

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

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

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

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

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

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

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

this 23 day of AUGUST, 1984.
My commission expires 12-7-1992.

Gregory A. Smith
Notary Public, GILMER County,
State of WEST VIRGINIA

WELL OPERATOR NORTH HILLS INVESTMENT CO.

By Walter C. Crane
Its PRESIDENT
Address 212 E. PIERPOINT ST.
HARRISVILLE, WV 26362
Telephone 304-643-2229

RECEIVED
SEP 14 1984
OIL & GAS DIVISION
DEPT. OF MINES

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 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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (S)

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

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

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
BRADY BAKER, single	WALTER C. CRANE	1/8	169/749	
(assignment)WALTER C. CRANE	NORTH HILLS INVESTMENT	working intrest		not recorded



1) Date: September 10, 19 84
 2) Operator's Well No. Baker #1
 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 X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1133' Watershed: South Fork of Hughes River
 District: Union County: Ritchie Quadrangle: Burnthouse 7.5
- 6) WELL OPERATOR North Hills Investment Co. 7) DESIGNATED AGENT Walter C. Crane
 Address 212 E. Pierpoint St. Address 212 E. Pierpoint St.
Harrisville, WV 26362 Harrisville, WV 26362
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Samuel N. Harsman Name _____
 Address P.O. Box 66 Address _____
Smithville, WV 26179
- 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, Alexander
 12) Estimated depth of completed well, 5500' feet
 13) Approximate trata depths: Fresh, 20' feet; salt, _____ feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No _____
- 15) CASING AND TUBING PROGRAM

RECEIVED
 SEP 14 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>113/4</u>		<u>42</u>		<u>X</u>	<u>40'</u>	<u>0</u>		Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>35/8</u>		<u>20</u>	<u>X</u>		<u>1233'</u>	<u>1233'</u>	<u>Fill as required</u>	<u>TS NEAT</u>
Production	<u>41/2</u>		<u>10.5</u>	<u>X</u>		<u>5500'</u>	<u>5500'</u>	<u>Fill as required</u>	Depths set
Tubing								<u>By rule 15-01</u>	
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.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

X Brady Baker Date: _____
 (Signature)
W. J. Hesse Date: _____
 (Signature)

09/29/2023
 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.

09/29/2023
Surface Owner

IV-9
(Rev 8-81)



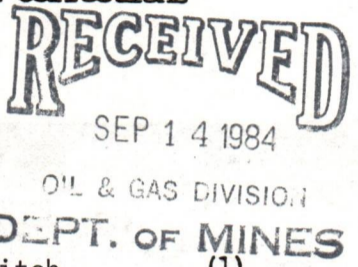
DATE SEPTEMBER 10, 1984
WELL NO. 1
API NO. 47-085-7136

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME NORTH HILLS INVESTMENT CO. DESIGNATED AGENT WALTER C. CRANE
Address 212 E. PIERPOINT ST. HARRISVILLE Address 212 E. PIERPOINT ST. Harrisville, WV
Telephone 643 2229 Telephone 643 2229 26362
LANDOWNER Brady Baker SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by North Hills Investment Co. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan: 9/12/84 (Date)
Ronald H. Hetherington (SCD Agent)



ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>To Be Constructed Along Road</u>	Material <u>Earthen</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Cross Relief Drain</u> (B)	Structure <u>Sediment Barrier</u> (2)
Spacing <u>See Table 1 in Manual 2-4</u>	Material <u>Logs and or Brush</u>
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>
Structure <u>Road Culvert</u> (C)	Structure <u>Sediment Barrier</u> (3)
Spacing <u>One 16"</u>	Material <u>Staked Hay Bales</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>2-16</u>

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

REVEGETATION



Treatment Area I			Treatment Area II		
Lime	<u>6.5</u>	Tons/acre	Lime	<u>6.5</u>	Tons/acre
or correct to pH <u>6.5</u>			or correct to pH <u>6.5</u>		
Fertilizer	<u>600</u>	lbs/acre	Fertilizer	<u>600</u>	lbs/acre
(10-20-20 or equivalent)			(10-20-20 or equivalent)		
Mulch	<u>Hay</u>	<u>2</u> Tons/acre	Mulch	<u>Hay</u>	Tons/acre
Seed*	<u>KY-31</u>	<u>40</u> lbs/acre	Seed*	<u>Orchard Grass</u>	lbs/acre
	<u>Redtop</u>	<u>5</u> lbs/acre		<u>Ladino Clover</u>	lbs/acre
		lbs/acre			lbs/acre

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

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

PLAN PREPARED BY Smith Land Surveying 09/29/2023
ADDRESS 111 South Street
Glenville, WV 26351
PHONE NO. 462-5634

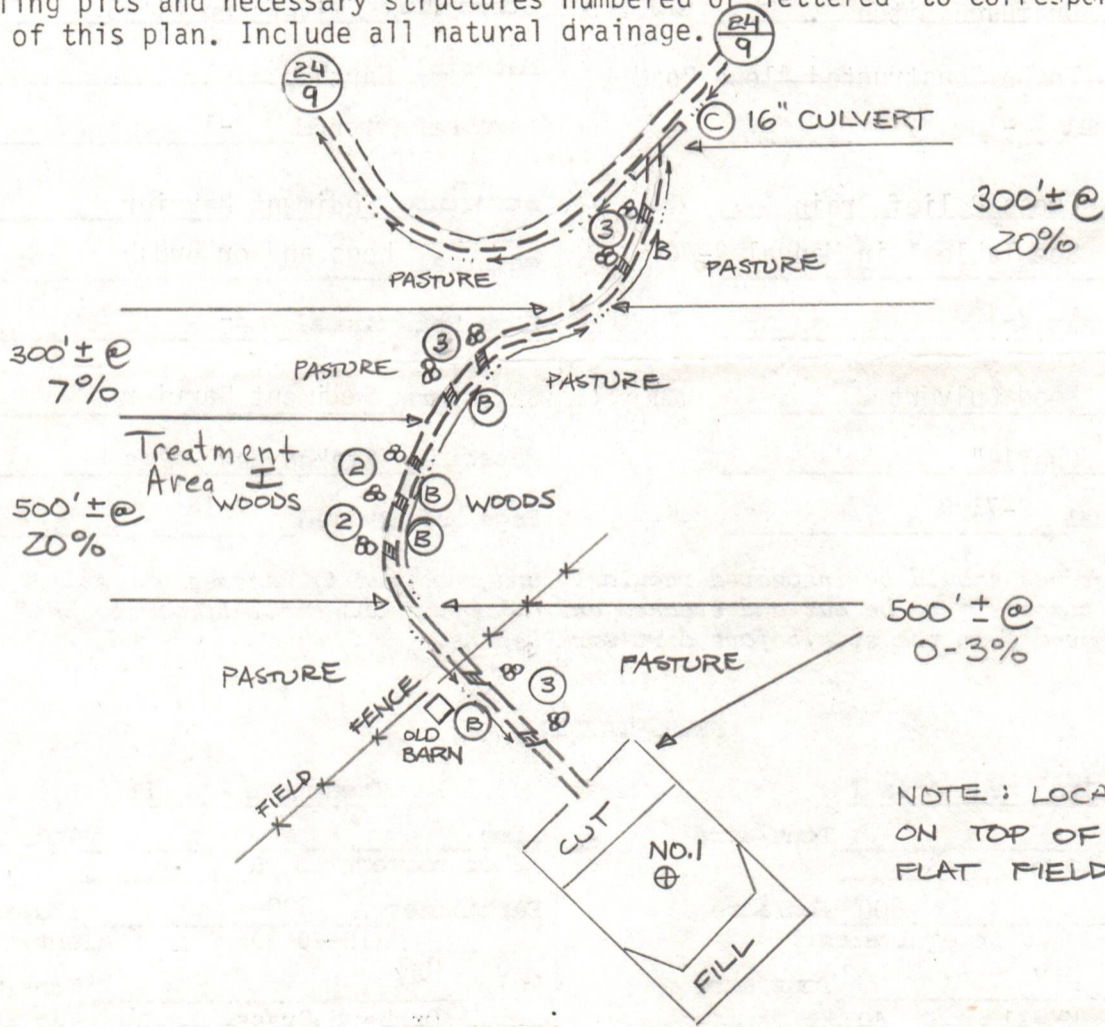
ATTACH OR PHOTOCOPY SECTION
OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Pullman 75

LEGEND
WELL SITE  ACCESS ROAD 



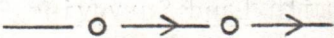


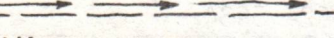
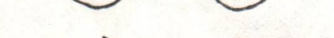

WELL SITE PLAN







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



Access road subject to change between company and land owner, or aquirement of right-of-way. If change is made , a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.

LEGEND

- DRAIN PIPE 
- ROAD 
- DIVERSION 
- WATERWAY 
- STREAM 
- OPEN DITCH 

- PROPERTY BOUNDARY  09/29/2023
- EXISTING FENCE 
- PLANNED FENCE 
- BUILDING 
- WET SPOT 
- SPRING 

SLS
SMITH LAND SURVEYING CO.
111 SOUTH ST.
GLENVILLE, WV. 26351

RECEIVED
AUG 23 1985



well files

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
Charleston, West Virginia 25311

ARCH A. MOORE, JR.
Governor

Commissioner

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from North Hills Investment (the transferor) to Gooch & Hobson Oil Producers (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22B, Article 1 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

The transferee's designated agent (name) Walter C. Crane, (address) 212 E. Pierpoint Harrisville W. VA. 26362, is on file with the Division 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. \$10,000.00 Ohio Farmers Insurance Co. #1A Exline

\$10,000.00 Ohio Farmers Insurance Co. #1 Baker
(Transferee) Gooch & Hobson Oil Producers

By Thomas J. Hobson
Its Partner

Taken, subscribed and sworn to before me this 18th day of August, 1985

Notary Public Mary Lou Thompson

My commission expires February 9 1992

(Transferor) North Hills Investment

By Walter C. Crane
Its Partner

Taken, subscribed and sworn to before me this 18th day of August, 1985

Notary Public Mary Lou Thompson

My commission expires February 9 1992

ACCEPTED THIS 13 DAY OF 9, 1985

BY: K. J. [Signature]
Director - Division of Oil and Gas

API (Permit) Number	Farm Name	Operator's Well Number
47- - 085-7206	Exline	#1A Exline
085-7136	Baker	#1 Baker

IV-35
(Rev 8-81)

RECEIVED
AUG 6 - 1985



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia

Department of Mines
Oil and Gas Division

Date August 5, 1985
Operator's _____
Well No. 1
Farm Baker
API No. 47 - 085 - 7136

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1133 Watershed South Fork of Hughes River
District: Union County Ritchie Quadrangle Burnt House 7.5

COMPANY North Hills Investment Co.
ADDRESS 212 E. Pierpoint Street
Harrisville, WV. 26362
DESIGNATED AGENT Walter C. Crane
212 E. Pierpoint St.
ADDRESS Harrisville, WV. 26362
SURFACE OWNER Brady Baker
ADDRESS Rt. #2
Harrisville, WV. 26362
MINERAL RIGHTS OWNER Brady Baker
ADDRESS same as above
OIL AND GAS INSPECTOR FOR THIS WORK Sam
Hersman ADDRESS Smithville, WV.
PERMIT ISSUED Sept. 19, 1984
DRILLING COMMENCED Oct. 3, 1984
DRILLING COMPLETED Oct. 9, 1984

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.			
11 3/4" 13-10"	45	30	None
9 5/8			
8 5/8	1400	1346	337 sks.
7			
5 1/2			
4 1/2	5550	5200	595 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5025-5075 feet
Depth of completed well 5200 feet Rotary x / Cable Tools _____
Water strata depth: Fresh 82' feet; Salt none feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Warren, Speechly, Balltown
Riley, Benson, Alexander Pay zone depth 3449.5-5085 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 735 Mcf/d Final open flow ---- Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1300 psig (surface measurement) after 24 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

R-17
7136

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
 Stage #1 4950-5100 20 holes, 750,000 Cuft. N₂, 500 gal. 15% HCL
 Stage #2 4590-4900 28 holes, 750,000 Cuft. N₂, 500 gal. 15% HCL
 Stage #3 4500-4590 26 holes, 1,000,000 Cuft. N₂ 500 gal. 15% HCL
 Stage #4 4150-4350 30 holes, 1,000,000 Cuft. N₂ 500 gal. 15% HCL
 Stage #5 3880-4050 30 holes, 750,000 Cuft. N₂ 500 gal. 15% HCL
 Stage #6 3780-3880 28 holes, 1,000,000 Cuft. N₂ 500 gal. 15% HCL
 Stage #7 3433-3520 30 holes, 1,000,000 Cuft. N₂ 500 gal. 15% HCL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	10	
Sandstone & shale			10	100	
Sandstone & shale			100	500	
Sandstone & shale			500	1000	
Sandstone & shale			1000	1300	
Sandstone			1300	1395	
Shale			1395	1463	
Sandstone			1463	1595	
Shale			1595	1625	
Sandstone			1625	1660	
Shale			1660	1725	
Limey sandstone			1725	1745	
Shale			1745	1805	
Maxon			1805	1861	
Shale			1861	1880	
Shale			1880	1890	
Sandstone			1890	1951	
Shale			1951	2034	
Big Lime			2034	2110	
Big Injun			2110	2135	
Shale			2135	2374	
Weir			2374	2465	
Shale			2465	2615	
Berea			2615	2624	
Shale			2624	2860	
Gordon stray			2860	2871	
Shale			2871	2884	
Gordon			2884	2892	
Shale			2892	3051	
Fifth sand			3051	3054	
Shale			3054	3426	
Warren			3426	3485	
Shale			3485	3857	
Speechly			3857	3905	
Shale			3905	3991	
Balltown			3991	4056	
Shale			4056	4290	
First Riley			4290	4314	
Shale			4314	4500	
Second Riley			4500	4550	

(Attach separate sheets as necessary)

North Hills Investment Co.

Well Operator

By: [Signature] Designated Agent 09/29/2023

Date: August 5, 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 coal, encountered in the drilling of a well."

Baker #1 47-085-7136 - Continued

Shale	4550	4816
First Benson	4816	4825
Shale	4825	4873
Second Benson	4873	4900
Shale	4900	5027
Alexander	5027	5073
Shale	5073	5125
Elk	5125	5130
Shale	5130	5550

RECEIVED
AUG 6 - 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RIT 7136

09/29/2023

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

RECEIVED
OCT 16 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-7136

Company North Hills Investment Co.
 Address _____
 Farm Brady Baker
 Well No. Baker #1
 District Union County Ritchie
 Drilling commenced 10-4-84
 Drilling completed 10-10-84 Total depth 5553
 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			Size of _____
10			Depth set _____
8 7/8 <u>8 5/8</u>	1286	1286	Perf. top _____
6 3/4			Perf. bottom _____
5 7/8 <u>4 1/2</u>			Perf. top _____
3			Perf. bottom _____
2			
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 Daniel Bell / Shirley Rush / S.J. Rush
 Rig # 6 Gene Stalnaker Tool Pusher Jim Myers
 Remarks: m 10-6-84 ran 1286 feet of 8 5/8" casing
B.J. Hughes ran 337 sacks cement
on 10-9-84 T.O. hole at depth of 5553' - Logging hole at time of visit
Big Lime - 2062-2103
Trifin Sand 2103-2126
10-10-84

Samuel N. Heroman
 DISTRICT WELL INSPECTOR
 09/29/2023

DATE

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

RECEIVED
OCT 10 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-7136

Oil or Gas Well _____
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>North Hills Investment Co.</u>				
Address	_____	Size			
Farm	<u>Brady Baker</u>	16			Kind of Packer _____
Well No.	<u>Baker #1</u>	13			
District	<u>Union</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced	<u>10-4-84</u>	8 1/4			Depth set _____
Drilling completed	_____ Total depth _____	6 5/8			
Date shot	_____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow	_____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing	_____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume	_____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure	_____ lbs. _____ hrs.				
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 _____

Bone Stalnaker Rig #6 Tool Pusher - Jim Myers

Remarks: Visit - Rig on location - Pit OK.

10-4-84
DATE

Samuel N. H.
09/29/2023
SIGNATURE

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE SHALLOW
ELEVATION 1133
DISTRICT UNION
QUADRANGLE BURNT HOUSE 7-5
COUNTY RITCHIE

API# 47-085-7136 (9-19-84)
OPERATOR NORTH HILLS INVESTMENT CO.
TELEPHONE _____
FARM BRADY BAKER
WELL # BAKER #1

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION 10-3-84 NOTIFIED 10-3-84 DRILLING COMMENCED 10-4-84

WATER DEPTHS 60', _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran 1286 feet of 8 5/8" "pipe on 10-6-84 with 337 sacks fill up
Ran UNKNOWN feet of 4 1/2" "pipe on _____ with _____ fill up
Ran LOGGING HOLE AT TIME OF VISIT - NO RECORD OF 4 1/2" RUN feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD 5553 feet on 10-10-84

PLUGGING

Type	From	To	Pipe Removed
			RECEIVED DEPARTMENT OF ENERGY OIL AND GAS JAN 7 1986

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 1-2-86

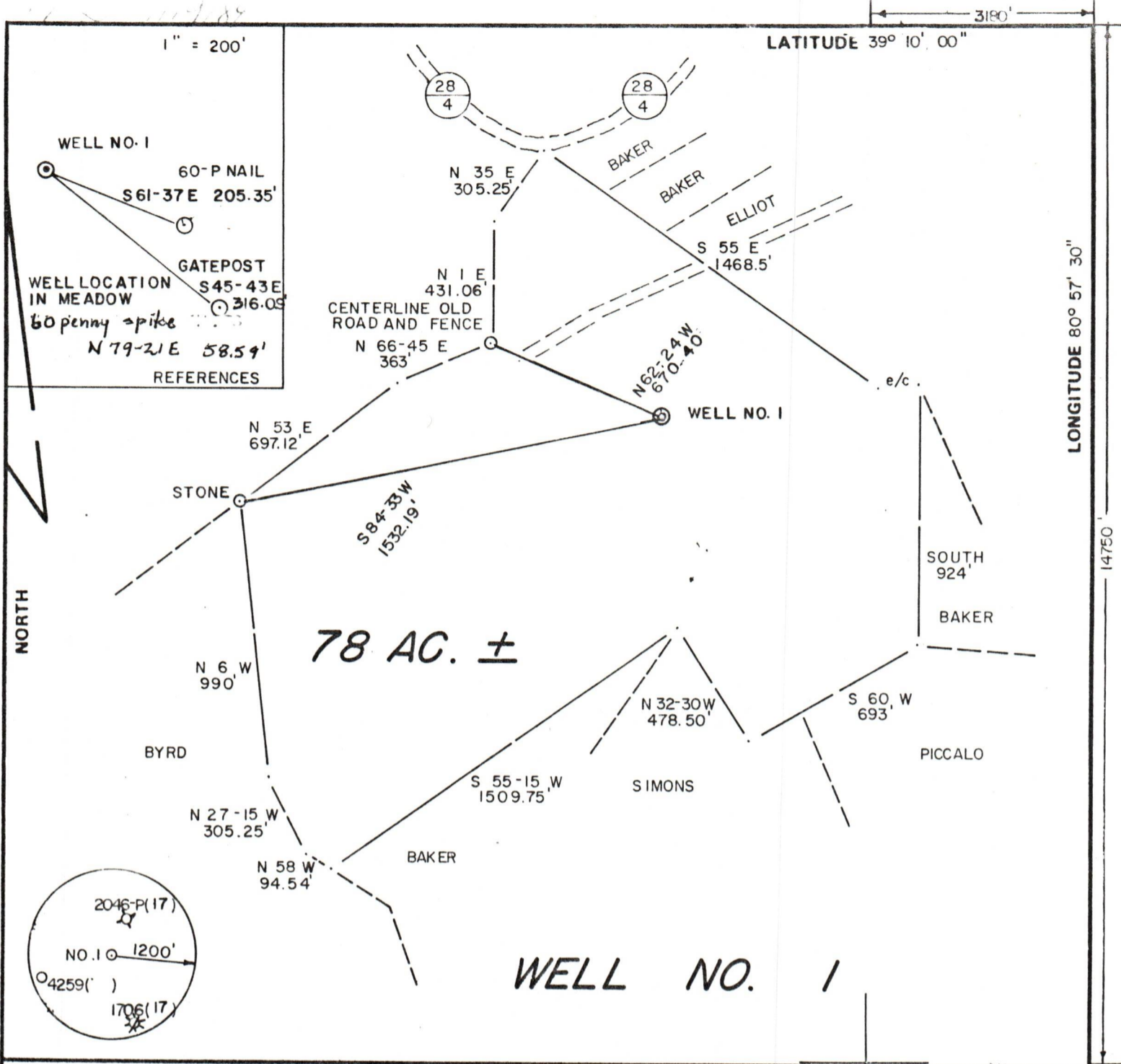
Samuel N. Heroman 09/29/2023
Inspector's signature

API# 47 085 - 7136

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	9-20-84		check brush work	--- OK.
2	10-4-84		check on dirt work-	
3	10-10-84		check on surface casing run and well completion	
4	1-2-85			
4	1-2-86		Final inspection	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



FILE NO. 13 - 55

DRAWING NO. _____

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1 / 200

PROVEN SOURCE OF ELEVATION TOP OF KNOB

1114'

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) Gregory A. Smith

R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE SEPT 12, 1984

OPERATOR'S WELL NO. 1

API WELL NO. 47 - 085 - 7136

STATE WEST VIRGINIA COUNTY MITCHELL PERMIT 809/29/2023

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 1133' WATER SHED SOUTH FORK OF HUGHES RIVER

DISTRICT _____ UNION _____ COUNTY RITCHIE

QUADRANGLE PULLMAN 7.5'

SURFACE OWNER BRADY BAKER ACREAGE 78

OIL & GAS ROYALTY OWNER BRADY BAKER LEASE ACREAGE 78 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 ALEXANDER ESTIMATED DEPTH 5500'

WELL OPERATOR NORTH HILLS INVESTMENT DESIGNATED AGENT WALTER C. CRANE

ADDRESS 212 E PIERPOINT ST. ADDRESS 212 E PIERPOINT HARRISVILLE, WV 26362