Form IV - (Obverse)

(Revised 3-81)

Well No. #1
Farm Haugh
API #47 - 085 - 5725
Date 6-18-82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 734 Watershed: Devilhole Creek
District: Grant County: Ritchie Quadrangle: Cairo

WELL OPERATOR National Operating, Inc.
Address Northwest Park No. 3
Giddings, TX 78942

DESIGNATED AGENT John R. Cox
Address P. O. Box 362
St. Marys, WV 26170

OIL AND GAS ROYALTY OWNER Glen & Betty Haugh
Address 1024 Williams St.
Parkersburg, WV
Acreage .5 (½)

COAL OPERATOR None
Address

SURFACE OWNER Same as Royalty Owner
Address
Acreage .5 (½)

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME N/A
Address
NAME
Address

FIELD SALE (IF MADE) TO:
NAME N/A
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME N/A
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Deo Mace
Address Rt. 1, Box 5
Sandridge, WV
Telephone 655-7398

RECEIVED
JUN 22 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated 4-10, 1982, to the undersigned well operator from Glenn C. Haugh.

(If said deed, lease, or other contract has been recorded:)

Recorded on 4-12, 1982, in the office of the Clerk of County Commission of Ritchie County, West Virginia, in 142 Book at page 848. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) ___

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this application to the Department of Mines at Charleston, West Virginia.

04/19/2024

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

National Operating, Inc.
Well Operator

By: John R. Cox
Its: Designated Agent

BLANKET BOND

FORM IV-2
(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) N/A

Address _____

GEOLOGICAL TARGET FORMATION Marcellus Shale
Estimated depth of completed well 5999 feet. Rotary X / Cable tools ___ /
Approximate water strata depths: Fresh, 80 feet; salt, N/A feet.
Approximate coal seam depths: N/A.
Is coal being mined in this area: Yes ___ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For Drilling	Left in Well	CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
Conductor									Kinds
Fresh water	8 5/8"		20#	X		850'	850'	Cement to	Surface
Coal									Sizes
Intermed.									
Production	4½"		10.5#	X			5999'	650 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 3-1-83.
BY Fred B. Mudrick

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

WAIVER

The undersigned coal operator ___ / owner ___ / lessee ___ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: _____, 19___.

_____

By: _____

Its: _____

IV-9
(Rev 8-81)

DATE 11 JUNE, 1982
WELL NO. HAUGH #1
API NO. 47 - 085 - 5725

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

COMPANY NAME NATIONAL OPERATING, INC.
ADDRESS NORTHWEST PARK #3
GIDDINGS, TEXAS 78942
Telephone (713) 542-3613

DESIGNATED AGENT JOHN COX
ADDRESS BOX 362
ST. MARYS, W.VA. 26170
Telephone (304) 684-9501

LANDOWNER GLENN C. & BETTY G. HAUGH
SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by NATIONAL OPERATING, INC. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-15-82 (Date)

Jarrett Newlon (SCD Agent)

ACCESS ROAD

Structure CULVERT (A)
Spacing 18"
Page Ref. Manual 2:7

Structure DRAINAGE DITCH (B)
Spacing
Page Ref. Manual 2:12

Structure (C)
Spacing
Page Ref. Manual

LOCATION

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

Structure (2)
Material
Page Ref. Manual

Structure (3)
Material
Page Ref. Manual

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WV DEPARTMENT OF MINES

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

REVEGETATION

Treatment Area I

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre
Seed* ORCHARD GRASS 12 lbs/acre
LADINO CLOVER 3 lbs/acre
TIMOTHY 6 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre
Seed* ORCHARD GRASS 12 lbs/acre
LADINO CLOVER 3 lbs/acre
TIMOTHY 6 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre

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

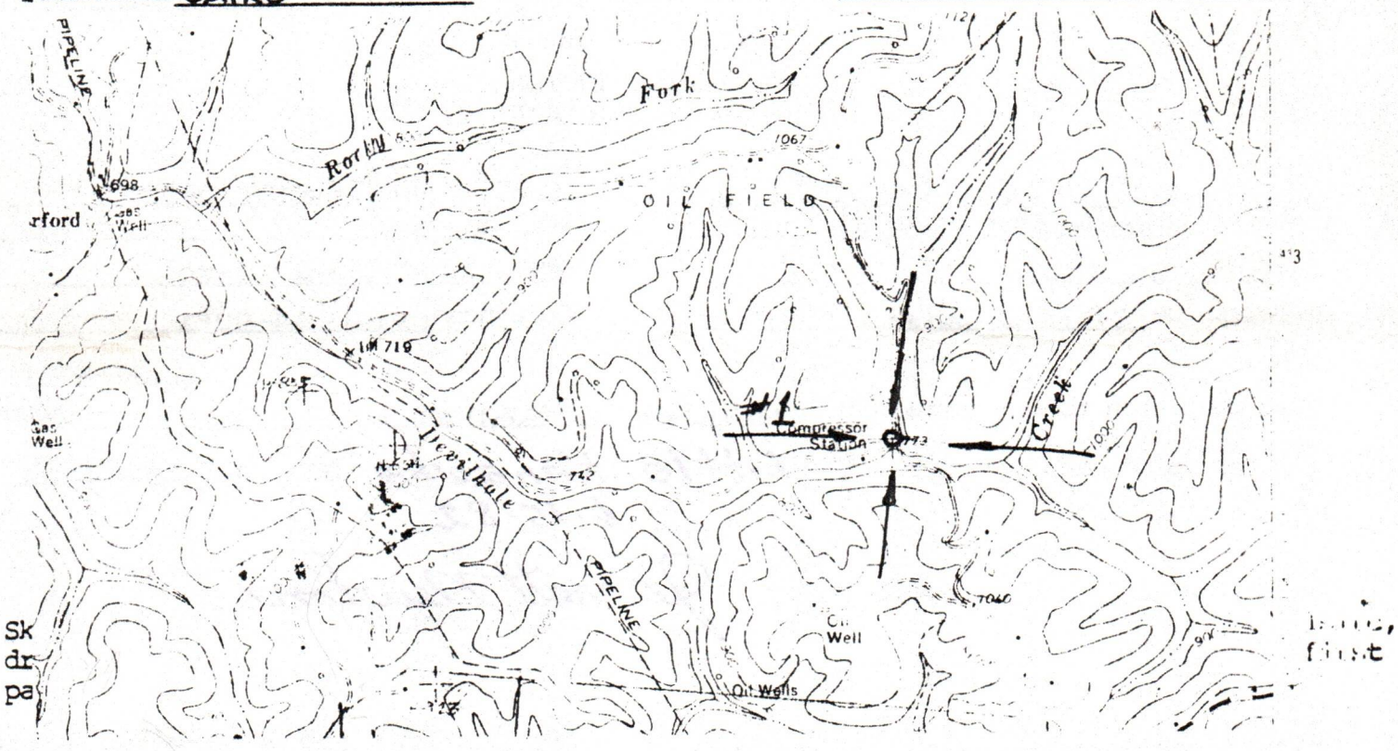
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.
ADDRESS 106 NORTH SPRING STREET
HARRISVILLE, W.VA. 26362
PHONE NO. (304) 643-4572

IV-9 REVERSE
(REV 8-81)

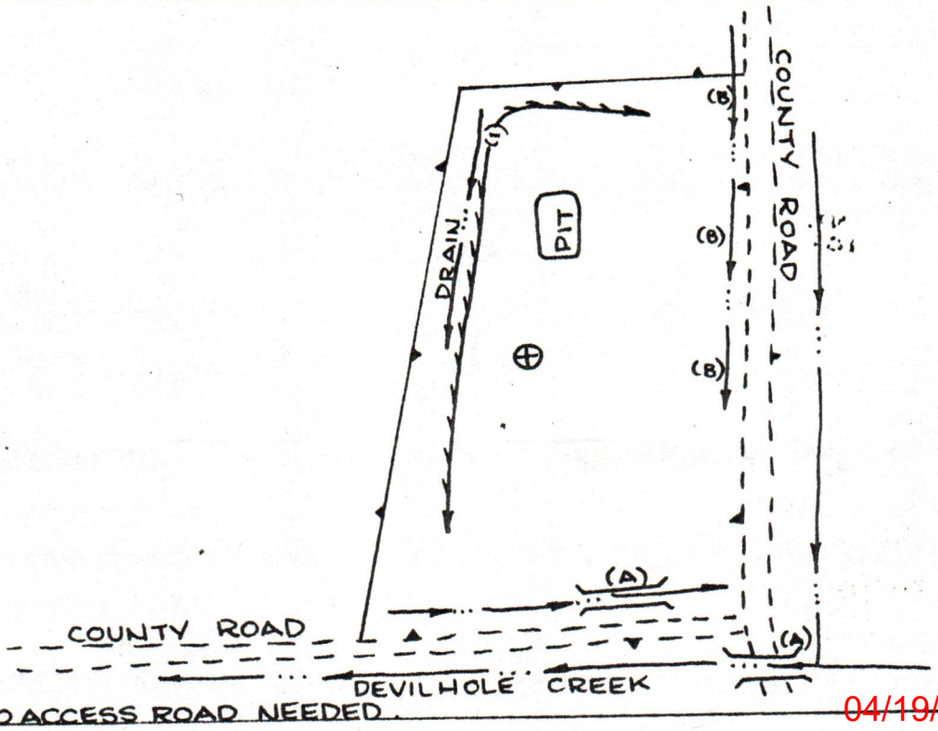
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CAIRO

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 ACCESS ROAD NEEDED.

2. NO BRUSH OR TREES.

3. LOCATION LOCATED IN GARDEN.

4.

5.

04/19/2024

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

085-5725

Yes X / No ____ / The right to extract, produce or market the oil or gas is based upon a lease or leases or other continuing 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 and gas so extracted, produced or marketed.

If the answer to this question is yes, you may use this affidavit.

NATIONAL OPERATING, INC.
HAUGH #1, GRANT DIST, RITCHIE CO.

AFFIDAVIT

I, John R. Cox, Designated Agent (the above designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, all such oil or gas to be extracted, produced or marketed from the well

Signed: _____

Taken, subscribed and sworn to before me this 24th day of June, 1982.

Signed: Mary Lisa Maston

My Commission Expires: 9-2-91

04/19/2024

FORM IV-35
(REVERSE)

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

20 - .39" Holes
from 4182 - 4276

800,000 SCF, N_2 - Stimulation

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay yellow soft	0	20	
Sandstone grey hard	20	100	
Shale grey soft	100	140	
Shale red soft	140	200	
Sandstone grey hard	200	240	
Shale grey soft	240	390	
Sandstone brown hard	390	415	
Shale grey soft	415	575	
Sandstone grey hard	575	605	
Shale grey soft	605	800	
Sandstone grey hard	800	900	
Shale red soft	900	990	
Sandstone brown hard	990	1030	
Shale grey soft	1030	1140	
Sandstone grey hard	1140	1220	
Shale grey soft	1220	1254	
Sandstone grey hard	1254	1280	
Shale grey soft	1280	1336	
Sand white hard	1336	1452	
Shale grey soft	1452	1508	
Sand grey hard	1508	1577	
Shale grey soft	1577	1610	
Sandstone grey hard	1610	1764	
Shale grey soft	1764	1794	
Sandstone grey hard	1794	1812	
Shale grey soft	1812	1834	
Sandstone brown hard	1834	1865	gas
Shale grey soft	1865	2318	
Sand and Shale grey soft	2318	2612	
Shale grey soft	2612	3464	
Sand and Shale brown soft	3464	3904	
Shale grey soft	3904	4000	
Sand and Shale grey hard	4000	4050	
Shale brown soft	4050	4120	
Sand and Shale brown soft	4120	4276	T.D. gas after stimulation

(Attach separate sheets as necessary)

National Operating, Inc.
Well Operator

04/19/2024

By: Designated Agent

Date: September 9, 1982

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."

IV-35
(Rev 8-81)

RECEIVED

SEP 13 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 9-9-82
Operator's
Well No. Haugh #1
Farm Haugh
API No. 47 - 085 - 5725

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

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

LOCATION: Elevation: 734 Watershed Devilhole Creek
District: Grant County Ritchie Quadrangle Cairo

COMPANY National Operating, Inc.
ADDRESS Northwest Park No. 3, Giddings, TX
DESIGNATED AGENT John R. Cox
ADDRESS P. O. Box 362, St. Marys, WV
SURFACE OWNER Glen & Betty Haugh
ADDRESS Parkersburg, WV 26101
MINERAL RIGHTS OWNER Same as surface
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace ADDRESS Sandridge, WV
PERMIT ISSUED 6-22-82
DRILLING COMMENCED 8-4-82
DRILLING COMPLETED 8-9-82
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.			
13-11 3/4"	207	207	75 sks.
9 5/8			
8 5/8	970	970	235 sks.
7			
5 1/2			
4 1/2		4327	530 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Ohio Shale Depth 4400 feet
Depth of completed well 4414 feet Rotary X / Cable Tools ___
Water strata depth: Fresh N/A feet; Salt N/A feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Ohio Shale Pay zone depth 4276 feet
Gas: Initial open flow 180 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 45 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 800 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation N/A 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)

P.I. 5725

OG-11

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

RECEIVED
AUG 11 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5725

Oil or Gas Well _____ (KIND)

Company National Operating Inc

Address _____

Farm Hough

Well No. 1

District Grant County Ritchie

Drilling commenced _____

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
8¼			
6⅝			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 _____

Contractor Over John Rig #3

Remarks:
Ran 958' of 8 5/8 casing
used 275 sacks cmt. Cemented by Dowell

8-6-82
DATE

Samuel W. Bensman
DISTRICT WELL INSPECTOR

04/19/2024

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

04/19/2024

_____
DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
AUG 1 1 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5725

Oil or Gas Well (KIND)

Company National Operating

Address

Farm Haugh

Well No. 1

District Grant County Ritchie

Drilling commenced

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
8¼			
6⅝			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 Lorance Jump - Earl Bailey - Don Wilson - Roger Sutphin

Contractor Over John Rig # 3 tool Pusher - Okey Amos

Remarks: Check on rig - Drilling hole for surface casing

8-5-82
DATE

Samuel M. Bowman
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

04/19/2024

_____
DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
AUG 13 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5725

Oil or Gas Well (KIND)

Company National Operating Inc.
Address
Farm Haugh
Well No. 1
District Grant County Ritchie
Drilling commenced
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
8¼			
6⅝			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 Lorane Jump - Earl Bailey tool Pusher Okey Amos
Roger Sutphin - Johnny Wilson ~~Okey~~
Contractor Over John Rig #3
Remarks: Finished Drilling getting ready to run 4½" casing

8-9-82
DATE

Samuel N. Perman
DISTRICT WELL INSPECTOR

04/19/2024

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

04/19/2024

_____
DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
JUL 28 1983
OIL & GAS DIVISION
DEPT. OF MINES

Final

INSPECTOR'S WELL REPORT

Permit No. 085 5725

Oil or Gas Well _____ (KIND)

Company National operating Inc.
Address Worthpark #3 Kidding Tex 78942
Farm _____
Well No. _____
District _____ County Ritchie
Drilling commenced _____
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
8¼			
6⅝			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: violation abated

OK To Release

72683
DATE

Jerry E. Tuckwell
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

_____ 04/19/2024
DISTRICT WELL INSPECTOR

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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

August 22, 1983

National Operating, Inc.
Northwest Park No. 3
Giddings, Texas 78942

In Re: PERMIT NO: 47-085-5725
FARM: Glen & Betty Haugh
WELL NO: 1
DISTRICT: Grant
COUNTY Ritchie

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

_____ The well designated by the above permit number has been released under your Blanket Bond.

_____ Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

XXXXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

TMS/

04/19/2024

HAUGH #1

FERC-121

Form Approved
OMB No. 033-R0031

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

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

(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	–	New onshore production well
107	–	High cost natural gas
108	–	Stripper well

Other Purchasers/Contracts:

Contract Date (Mo. Day Yr.)	Purchaser	Buyer Code

Remarks:

04/19/2024

FT79-0036/1-2

FERC-121

1.0 API well number. (If not assigned, leave blank. 14 digits.)	47 - 085- 5725 -
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	107 Section of NGPA; D Category Code
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4276 feet
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	National Operating, Inc. Name; Seller Code Northwest Park No. 3 Street Giddings City; TX State; 78942 Zip Code
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	N/A Field Name Ritchie County; WV State
(b) For OCS wells:	N/A Area Name; N/A Block Number Date of Lease: N/A Mo. Day Yr.; N/A OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	Haugh #1
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	N/A Name; Buyer Code
(b) Date of the contract:	N/A Mo. Day Yr.
(c) Estimated total annual production from the well:	16 Million Cubic Feet

		(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	$/MMBTU	Deregulated			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	$/MMBTU	Deregulated			

9.0 Person responsible for this application:

John R. Cox — Name

Designated Agent — Title

Signature

9-22-82 — Date Application is Completed

304-684-9501 — Phone Number

Agency Use Only

Date Received by Juris. Agency: SEP 27 1982

Date Received by FERC

04/19/2024

PARTICIPANTS: DATE: JAN 24 1983 BUYER-SELLER CODE

WELL OPERATOR: National Operating, Inc. -

FIRST PURCHASER: N A -

OTHER:

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
82 0927 - 107 - 085 - 5725
Use Above File Number on all Communications
Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 ✓ Items not completed - Line No. 7,10+8,0 Deregulated
2. IV-1 Agent John R. Cox
3. IV-2 Well Permit —
4. IV-6 Well Plat ✓
5. IV-35 Well Record ✓ Drilling ✓ Deepening -
6. IV-36 Gas-Oil Test: Gas Only — Was Oil Produced? — Ratio —
7. IV-39 Annual Production — years
8. IV-40 90 day Production — Days off line: -
9. IV-48 Application for certification. Complete? ✓

10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? ✓ Affidavit Signed ✓

18-28. Other: Survey ____ Logs ____ Geological Charts ____
Structure Map ____ 1: 4000 Map ____ Well Tabulations ____
Gas Analyses ____

(5) Date commenced: 8-4-82 Date completed 8-9-82 Deepened -

(5) Production Depth: 4276

(5) Production Formation: Ohio Shale

(5) Final Open Flow: 45 MCF

(5) After Frac. R. P. 800# 24hrs.

(6) Other Gas Test: —

(7) Avg. Daily Gas from Annual Production: —

(8) Avg. Daily Gas from 90-day ending w/1-120 days —

(8) Line Pressure: — PSIG from Daily Report

(5) Oil Production: — From Completion Report —

10-17. Does lease inventory indicate enhanced recovery being done No

10-17. Is affidavit signed? ✓ Notarized? ✓

Does official well record with the Department confirm the submitted information? yes 04/19/2024

Additional information - Does computer program confirm? ____

Was Determination Objected to ____ By Whom? ____

TM

FORM IV-55WC
[12-78]

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

Date 9-22 1982
Operator's Well No Haugh #1
API Well No 47 - 085 - 5725
State County Permit

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

DESIGNATED AGENT John R. Cox
ADDRESS P. O. Box 362
St. Marys, WV 26170

WELL OPERATOR National Operating, Inc.
ADDRESS Northwest Park No. 3
Giddings, TX 78942
GAS PURCHASER N/A
ADDRESS

LOCATION Elevation 734
Watershed Devilhole Creek
Dist Grant County Ritchie Quad Cairo
Gas Purchase Contract No N/A
Meter Chart Code N/A
Date of Contract N/A

* * * * * * * * * * * * *

Date surface drilling began: 8-4-82

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

$$BHP = P_1 + P_1 (eGL/5334T - 1)$$

$P_1 = 800 + 14.73 = 814.73$
$T = 120^oF$
$G = .70$
$L = 4276$

BHP = 897.47#

AFFIDAVIT

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

STATE OF WEST VIRGINIA,
COUNTY OF Pleasants, TO WIT

I, Mary Lisa Maston, a Notary Public in and for the state and county aforesaid, do certify that John R. Cox, whose name is signed to the writing above, bearing date the 22 day of September, 19 82, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 22 day of September 19 82
My term of office expires on the 2nd day of September, 19 91

Mary Lisa Maston
Notary Public

NOTARIAL SEAL

04/19/2024

IV-27
11/23/81

RECEIVED
MAY 31 1983
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: May 25-83
Well No: 1
API NO: 47 - 085 - 5725
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

WELL TYPE: Oil X / Gas X Liquid Injection ____ / Waste Disposal ____ /
Of "Gas" - Production X / Storage ____ / Deep ____ / Shallow ____ /

LOCATION: Elevation: 734 Watershed: Devil Hole Creek
District: Grant County: Ritchie Quadrangle: Cairo

WELL OPERATOR National Operating Inc. DESIGNATED AGENT John R. Cox
Address Northwest Park #3 Address P. O. Box 362
Gilding TX 78942 St Marys, WV 26170

The above well is being posted this 25 day of May, 19 83, for a violation of Code 22-4-12 and/or Regulation 23.03, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

the operator of a well shall reclaim the land surface within the disturbed area in siting drilling, completing, or producing the well within six months

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until June 1, 19 83, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Samuel N. Hersman
Oil and Gas Inspector

Address P.O. B 66
Smithville W.V.
26178

Telephone: 477-3597

04/19/2024

IV-27
11/23/81

RECEIVED
MAY 31 1983
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: May 25-83
Well No: 1
API NO: 47 - 085 - 5725
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

WELL TYPE: Oil X / Gas X Liquid Injection ____ / Waste Disposal ____ /
Of "Gas" - Production X / Storage ____ / Deep ____ / Shallow ____ /

LOCATION: Elevation: 734 Watershed: Devilhole Creek
District: Grant County: Ritchie Quadrangle: Cairo

WELL OPERATOR National Operating Inc. DESIGNATED AGENT John R. Cox
Address Northwest Park #3 Address P. O. Box 362
Gilding TX 78942 St Marys, WV 26170

The above well is being posted this 25 day of May, 1983, for a violation of Code 22-4-12B and/or Regulation 23.03, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

the operator of a well shall reclaim the land surface within the disturbed area in siting drilling, completing, or producing the well within six months

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until June 1, 1983, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Posted
5/25/83

Samuel N. Herman
Oil and Gas Inspector

Address P.O. B 66
Smithville W.V
26178

Telephone: 477-3541

FORM IV-31

Date July 26, 19 83

Operator's Well No. #1

API Well No. 47 - 085 - 5725
State County Permit

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

NOTICE OF ABATEMENT

WELL TYPE: Oil ✓ / Gas ✓ / Liquid Injection ____ / Waste Disposal ____ /
If "Gas" - Production ✓ / Underground Storage ____ / Deep ____ / Shallow ____ /

LOCATION: Elevation: 734 Watershed: Devilhole Creek

District: Grant County: Ritchie Quadrangle: Cairo

WELL OPERATOR National Operating Inc DESIGNATED AGENT John R. Cox

Address Northwest Park #3 Address P.O.B. 362

Giddings TX 78942 St Marys W.V 26170

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on July 26, 19 83.

✓ Upon the expiration of a period of time originally fixed for abatement.

____ Upon the order of the Deputy Director for Oil and Gas at the request of the well operator.

____ Upon the request of the Deputy Director for Oil and Gas.

The violation of Code 22-4-12B heretofore found to exist on May 25th 19 83, by Form IV-27, "Notice of Violation" ✓ /, Form IV-28, "Imminent Danger Order" ____ / of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS: (USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Location Reclaimed + ok.

RECEIVED
JUL 28 1983
OIL & GAS DIVISION
DEPT. OF MINES

A copy of this NOTICE has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

04/19/2024

Jerry R. Tephabock
Oil and Gas Inspector

Address RT1 Box 101A
Ripley W.V.

Telephone 304 372 6805

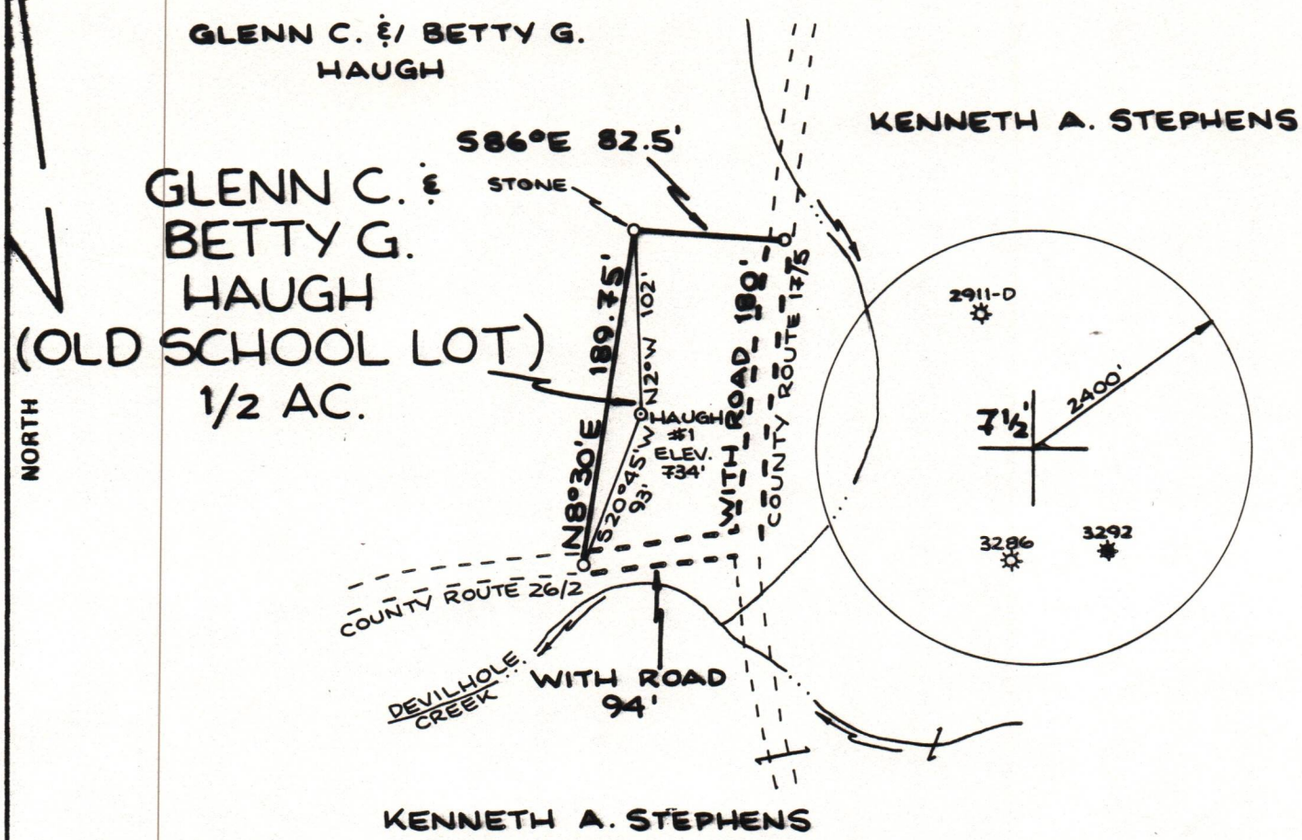
M. 2. 6/28/82

4205

LATITUDE 39°10'

LONGITUDE 81°07'30"

8660'



FILE NO.
DRAWING NO.
SCALE 1"=100'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 773'

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) William R. Mossor

R.P.E. _____ L.L.S. 551

WILLIAM R. MOSSOR LICENSED No. 551 STATE OF WEST VIRGINIA LAND SURVEYOR

PLACE SEAL HERE

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

FORM IV-6
(8-78)

DATE 11 JUNE, 1982
OPERATOR'S WELL NO. HAUGH #1
API WELL NO.
47 - 085 - 5725
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL X GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 734' WATER SHED DEVILHOLE CREEK
DISTRICT GRANT COUNTY RITCHIE
QUADRANGLE CAIRO 7½' QUAD.
SURFACE OWNER GLENN C. & BETTY G. HAUGH ACREAGE (OLD SCHOOL LOT) 1/2 AC.
OIL & GAS ROYALTY OWNER GLENN C. & BETTY G. HAUGH LEASE ACREAGE (OLD SCHOOL LOT) 1/2 AC.
LEASE NO. _____

04/19/2024

PROPOSED WORK: DRILL X 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 SHALE ESTIMATED DEPTH 5999'
WELL OPERATOR NATIONAL OPERATING, INC. DESIGNATED AGENT STEVEN TICE
ADDRESS NORTHWEST PARK #3 ADDRESS BOX 341
GIDDINGS, TEXAS 78942 ST. MARYS, W.VA. 26170

STEPHENS BLUEPRINT