



(Revised 3-81)

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 X /

LOCATION: Elevation: 1258 G.L. Watershed: Marsh Run
District: Clay County: Ritchie Quadrangle: Pennsboro 7.5

WELL OPERATOR Appco Oil & Gas Corporation
Address 100 South Orange Ave. Suite 909
Orlando, Florida 32801

DESIGNATED AGENT Richard H. Brumbaugh
Address 212 Court Street P.O. Box 139
Spencer, West Virginia 25276

OIL AND GAS

ROYALTY OWNER Vera Langon
Address 12303 Taylorville Road
Louisville, Kentucky 40299
Acreage 96.73

COAL OPERATOR N/A
Address _____

SURFACE OWNER Vera Langon
Address 12303 Taylorville Road
Louisville, Kentucky 40299
Acreage _____

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

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

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Samuel Hersman
Address P.O. Box 66
Smithville, West Virginia 26178
Telephone 304-477-3597

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

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OIL & GAS DIVISION
DEPT. 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 Sept. 12, 1981, to the undersigned well operator from Vera Langon.

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

Recorded on Sept. 23, 1981, in the office of the Clerk of County Commission of Ritchie County, West Virginia, in # 138 Book at page 430. 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.

04/12/2024

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

Appco Oil & Gas Corporation
Well Operator

By: Benjamin Smelcher

Its: Operations Manager/Geologist

BLANKET BOND

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Not Determined

Address _____

GEOLOGICAL TARGET FORMATION Devonian Shale (Benson Member)

Estimated depth of completed well 5,500 feet. Rotary / Cable tools ___ /
Approximate water strata depths: Fresh, 475 feet; salt, 775 feet.
Approximate coal seam depths: Unknown
Is coal being mined in this area: Yes ___ / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh water	<u>10 3/4</u>							<u>To surface</u>	
Coal									Sizes
Intermed.	<u>8-5/8</u>	<u>ERW</u>	<u>23 lb.</u>	<input checked="" type="checkbox"/>		<u>1500'</u>	<u>1500'</u>	<u>To surface</u>	
Production Tubing	<u>4 1/2</u>	<u>ERW</u>	<u>10.5 lb.</u>	<input checked="" type="checkbox"/>		<u>5500'</u>	<u>5500'</u>	<u>To 1500'</u>	Depths set
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 5-10-83

BY [Signature]

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:

W A I V E R

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.

04/12/2024

Date: _____, 19____.

By: _____

Its: _____

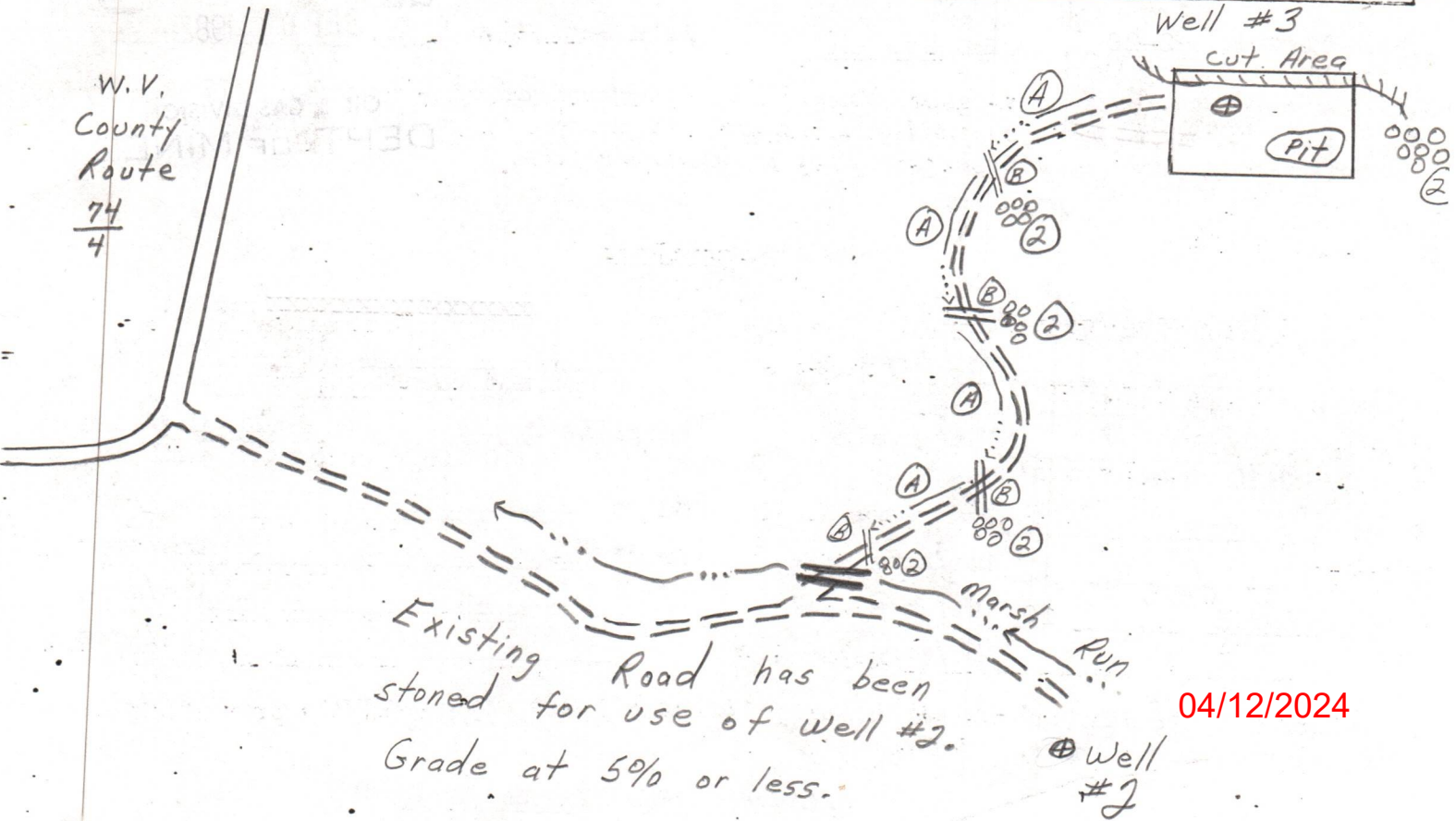
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE PENNSBORO 7.5'

LEGEND	
Well Site	⊕
Access Road	—

WELL SITE PLAN

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

LEGEND	
Property boundary	—▲▲▲▲—
Road	== == == ==
Existing fence	—x—x—
Planned fence	—/—/—
Stream	~ ~ ~ ~
Open ditch	—>>>>—>>>>—>>>>—
Diversion	//////
Spring	○→
Wet spot	⊕
Building	■
Drain pipe	—○→○→○→
Waterway	⇄ ⇄ ⇄ ⇄



State of West Virginia

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME APPCO OIL & GAS CORP.

DESIGNATED AGENT RICHARD H. BRUMBAUGH

Address BOX 14348, ORLANDO, FLA. 32807

Address 212 COURT ST., SPENCER W.V. 25276

Telephone 305-671-9671

Telephone 927-1670

LANDOWNER VERA LANGON

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by APPCO OIL & GAS CORP. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-14-82 (Date)

Jarrett Newlon
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>DRAINAGE DITCH</u> (A)	Structure <u>DIVERSION DITCH</u> (1)
Spacing <u>n/a</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>CROSS DRAINS</u> (B)	Structure <u>SEDIMENT BARRIER</u> (2)
Spacing <u>50'</u>	Material <u>BRUSH & LOGS</u>
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>
Structure <u>TEMPORARY STREAM CROSSING</u> (C)	Structure _____ (3)
Spacing <u>MIN. (2) 24" CULVERTS</u>	Material _____
Page Ref. Manual <u>2-20</u>	Page Ref. Manual <u>SEP 07 1982</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.

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REVEGETATION

Treatment Area I & II		Treatment Area I & II	
Lime _____ Tons/acre	or correct to pH <u>6.5</u>	Lime _____ Tons/acre	or correct to pH _____
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)	Fertilizer _____ lbs/acre	(10-20-20 or equivalent)
Mulch <u>2</u> Tons/acre		Mulch _____ Tons/acre	
Seed* <u>35</u> lbs/acre		Seed* _____ lbs/acre	
<u>CROWN VETCH</u> 10 lbs/acre		_____ lbs/acre	
_____ lbs/acre		_____ lbs/acre	

Inoculate all legumes such as vetch, trefoil and clovers with the proper amount. 04/12/2024

PLAN PREPARED BY SMITH LAND SURVEYING
ADDRESS 111 SOUTH STREET
GLENVILLE W.V. 26351
PHONE NO. 462-5634

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



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Handwritten numbers: 14, 3, 0, 4, 8, 4, 9, 0

04/12/2024

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

Rit-5873

TO: ALL OPERATORS
 FROM: *Tom H.* Thomas E. Huzar, Administrator
 RE: House Bill 1254 - Permits Not to be Issued on Flat Well Royalty Leases

DATE: June 22, 1982

In an effort to implement HB-1254 an affidavit was mailed to each operator previously. Upon review it is found this affidavit is inappropriate and not entirely necessary. The application form will be revised to include the following statement:

Yes ___ / No X / 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.

You should answer this question without the use of the form until the applications have been revised.

If the answer is "yes" to the question, then you must provide with the application an affidavit which certifies that the affiant is authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one-eighth of the total amount paid to or received for the oil or gas so extracted, produced or marketed before deducting the amount to be paid or set aside for the owner of the oil and gas in place, on all such oil or gas to be extracted, produced or marketed from the well. (See West Virginia Code 22-4-11(e).)

Attached is an affidavit form you may use, but it is necessary only in the event that you would answer "yes". If the answer is "no", please include a statement to that effect.

Appco Oil & Gas Corp.
 3501 Emerson Ave
 Suite 9B
 Parkersburg W Va 26104
 Vera Langon #3

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H/rf

04/12/2024

OIL AND GAS LEASE

THIS AGREEMENT, made this Twelfth day of September, 19 81,
by and between: Vera Langon

and Appco Oil & Gas Corporation (a Florida Corp) hereinafter known as the "LESSOR", whether one or more,
hereinafter known as the "LESSEE", whether one or more,

WITNESSETH:

1. That the LESSOR, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, does hereby GRANT and LEASE unto the LESSEE all of the oil and gas and all of the constituents of either, in and under the following described land, together with the exclusive right to operate, drill for, produce, and market oil and gas and their constituents, and also the right to enter thereon for the purpose of drilling and operating for oil and gas, laying pipelines, erecting tanks, machinery, and the right to do all other things necessary and proper for the drilling, production, and marketing of oil and gas and their constituents from the property which is more particularly described below:

Situated in Section waters of the North Fork Clay Township/District, County of Ritchie, State of W. Va.,
and more particularly described at Volume 83, Page 252, of the Deed Records of Ritchie County,
West Virginia, which description is hereby referred to and incorporated herein by reference; which property is bounded substantially as follows:

NORTH by lands of Legal Description as described in Deed Book 83
EAST by lands of page 252, dated 15th day of February 1921.
SOUTH by lands of _____
WEST by lands of _____
Containing 96.73 acres, more or less.

2. It is agreed that this lease shall remain in force for a primary term of 12 Months from this date and as long thereafter as operations for oil or gas, or either of them, are being conducted on the premises, or oil or gas, or either of them, is being produced in paying quantities. It is expressly agreed that if LESSEE shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom then as long as production continues in paying quantities.

If after expiration of the term of this lease, production from the leased premises in paying quantities shall cease from any cause, this lease shall not terminate provided LESSEE resumes operations for the production of oil or gas within sixty (60) days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, as long thereafter as oil or gas or either of them is produced in paying quantities.

3. LESSEE shall commence operations for a well on the leased premises or on acreage pooled therewith as provided herein, on or before Sept 12, 1982, unless LESSEE pays or tenders the sum of \$ _____ for each _____ months that operations are delayed. Such payment shall be a rental for the privilege of deferring commencement of drilling operations for the above period of time. In like manner, and upon like payments or tenders, the commencement of drilling operations shall be further deferred for successive periods during the primary term of this lease.

4. If a well capable of producing oil or gas or the constituents of either in paying quantities located on the leased premises (or acreage pooled or consolidated with all or a portion of the leased premises into a unit for the drilling or operation of such well) is at any time shut in, suspended or otherwise not produced by the LESSEE due to lack of a market, and no oil or gas or their constituents is sold or utilized off the premises, nevertheless such shut in well shall be deemed to be a well on the leased premises producing in paying quantities and this lease shall remain in force during all of the time while such well is so shut in, whether before or after the expiration of the primary term. LESSEE shall use reasonable diligence to market any production from such well or wells but shall be under no obligation to market such products under terms, conditions or circumstances which in LESSEE's good faith judgment are unsatisfactory. LESSEE agrees to make pipeline connection to one of the existing gas co. pipelines within terms of the lease
LESSEE shall be obligated to pay or tender to LESSOR within sixty (60) days after any such well is shut in and each anniversary thereafter, as royalty, an amount equal to \$ 25.00 per acre per year it being the intention of the parties that this lease shall remain in full force and effect for sixty (60) days after shutting in any well without payment.

5. LESSEE agrees to pay to the credit of the LESSOR one-eighth (1/8) of all the oil produced and saved from the leased premises, delivered free of cost to the purchasing agency, and one-eighth (1/8) of the proceeds of all the gas marketed and sold from said premises, payable monthly.

6. LESSOR reserves to himself, free of cost, 200,000 cubic feet of gas per annum for domestic use in one single family dwelling located on this property. Such free gas shall be taken through LESSOR's own appliances and LESSOR shall be responsible for using economical appliances. LESSOR further covenants and agrees that his taking and use of such gas shall be wholly at his own risk and LESSOR agrees to indemnify and hold harmless LESSEE for any accident or damage caused thereby to either the parties to this agreement or any third party, and LESSEE shall not be liable for any shortage or failure in the supply of gas for said domestic use.

7. All payments made to LESSOR under the terms of this lease shall be made to the LESSOR, or any one of them, in cash or check in person or by United States mail to the address set forth herein or to the credit of LESSOR, or any one of them, in First National

Bank at Lanhamville Ky. P.O. Box 36070, 40332, which bank and its successors are hereby designated as LESSOR's agent for the purpose of receiving said payment. If said bank should fail, liquidate or be succeeded by another bank, or for any reason fail or refuse to accept payments on behalf of LESSOR, LESSEE shall not be held in default for failure to make said payment so long as LESSEE has made a bona fide attempt to make said payment and in no event shall any default be declared against LESSEE until thirty (30) days after LESSEE receives written notice of said default during which time LESSEE shall have the right to make the payment then in default and thereby cure said default.

8. Any notice or demand required by this agreement shall be made to the LESSOR and LESSEE at the address set forth herein and to successors or assigns of the LESSEE herein at the address set forth in the instrument of conveyance as recorded in the County Recorder's Office by United States mail, postage prepaid, or in person.

9. LESSEE is authorized to pool or combine the land covered by this lease, or any portion thereof, or formation thereunder, as to oil and/or gas, with any other land, lease or leases when in LESSEE's judgment it is advisable to do so in order to properly develop or operate said premises. Such pooling shall be into a well unit or units not exceeding approximately forty (40) acres for oil and not exceeding approximately six hundred forty (640) acres for gas. LESSEE shall execute and record an instrument or instruments identifying and describing the pooled acreage. Production, drilling or reworking operations anywhere on the unit which includes all or a part of this lease shall be treated as if it were production, drilling or reworking operations under this lease. In lieu of the royalties elsewhere herein specified, LESSOR shall receive from a unit so formed only such portion of the royalties stipulated herein as the amount of his acreage placed in the unit or his royalty therein bears to the total acreage so pooled in the particular unit involved.

10. The rights of either party hereunder may be assigned in whole or in part, and the provisions hereof shall extend to, and be binding on, their heirs, successors, and assigns; but no change or division in ownership of the land, rentals or royalties, however accomplished, shall operate to enlarge the obligations or diminish the rights of LESSEE; and no change or division in such ownership shall be binding on LESSEE until thirty (30) days after LESSEE shall have been furnished by certified mail at LESSEE's principal place of business with originals or certified copies of recorded documents of title transferring title from LESSOR. In the event of assignment hereof, in whole or in part, liability for breach of any obligation hereunder shall rest exclusively upon the owners of this lease or portion thereof who commits such breach. LESSEE 4/12/2024

11. LESSEE shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from wells of LESSOR. LESSEE shall also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises including the right to draw and remove casing.

12. LESSEE hereby agrees to restore the surface of the land covered by this lease to as near as practical its original condition after each drilling operation and further agrees to pay LESSOR for all damages to growing crops, improvements and livestock caused by or arising out of its operations thereon. When required by LESSOR, LESSEE will bury all pipelines below ordinary plow depth. No well shall be drilled within two hundred (200) feet of any residence or barn now on said land without LESSOR's consent.

13. LESSOR hereby warrants and agrees to defend the title to this property including the oil and gas and other minerals which are the subject of this lease and LESSOR agrees that LESSEE, at its option, may pay, discharge or redeem any taxes, mortgages, or other liens existing on or assessed against said property, either in whole or in part, and in the event LESSEE does so, it shall be subrogated to the rights of such lien holder with the right to reimburse itself by applying any royalty toward satisfying the same.

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DEPT. OF MINES

04/12/2024

14. Should LESSEE be prevented from complying with any express or implied covenant of this lease by any order, rule, or regulation of any governmental authority, then while so prevented, LESSEE's obligation to comply with such covenant shall be suspended, and LESSEE shall not be liable in damages for failure to comply therewith; and this lease shall be extended while and so long as LESSEE is prevented by any such cause from conducting drilling or reworking operations on or from producing oil or gas from the leased premises, anything in the lease to the contrary notwithstanding.

15. If LESSOR owns a less interest in the above-described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid to the LESSOR only in the proportion which its interest bears to the whole undivided fee. Should any person, firm, or corporation having an interest in the above-described land not lease to LESSEE, or should any one or more of the parties named above as LESSOR not execute this lease, it shall nevertheless be binding upon the party or parties executing the same.

16. At any time LESSEE shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities hereunder shall cease and determine as to the part or parts so surrendered, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the LESSOR, or if more than one LESSOR, then to any one of them, or to any heir or assign of any one of them, by delivery of a duly executed surrender thereof in person or by mail addressed to the address of such person as set forth herein, or by recording a duly executed surrender thereof in the Recorder's Office of the County in which the land is located.

17. In consideration of the granting of this lease and its terms and covenants, LESSOR does hereby grant, sell, assign, transfer and set over unto the LESSEE, its heirs, successors, representatives and assigns, a right-of-way to lay, maintain, operate, inspect, replace, change the size of, relocate and remove pipe lines for the transportation of oil or gas and other products with drips, valves, measuring and regulating equipment and other necessary appurtenances thereto on, over and through the land of the LESSOR together with the right of ingress and egress to and from said pipe line measuring and regulating equipment and other necessary appurtenances at all times as may be necessary or convenient for the full and complete use by the LESSEE of this right-of-way.

The LESSOR shall use and enjoy the said lands subject to the conditions and provisions of this right-of-way grant expressed and implied and provided always that such use and enjoyment shall not interfere with or be inconsistent in any way with the rights, privileges and uses herein granted to the LESSEE.

18. This lease embodies the entire contract and agreement between LESSOR and LESSEE, and no warranties, representations, promises, or inducements not herein expressed have been made or relied upon by either party.

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound, have executed this instrument as of the day and year first above-written.

WITNESS:
[Signature]
[Signature]

[Signature] (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)

Kentucky
 WEST VIRGINIA ACKNOWLEDGEMENT

STATE OF ~~WEST VIRGINIA~~ Kentucky } To-wit:
 COUNTY OF Jefferson
 I, [Signature] a Notary Public of said County, do hereby certify that
[Signature]
[Signature]
 whose name [Signature] signed to the within writing bearing date the 12th day of September, 19 81
 has S this day acknowledged the same before me in my said County.
 Given under my hand this 21 day of September, 19 81
[Signature]
 Notary Public
 My Commission expires January 27, 1983

OHIO ACKNOWLEDGEMENT

STATE OF OHIO }
 COUNTY OF _____ } SS.
 Before me, a Notary Public in and for said county, personally appeared the above named _____
 _____ who acknowledged
 that _____ he _____ did sign the foregoing instrument, and that the same is _____ free act and deed. In testimony
 whereof I have hereunto subscribed my name at _____, this _____
 day of _____, 19 _____
 My Commission expires _____

Notary Public

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RECORDING DATA:
 Term 12 months
 County Ritchie State W. Va
 Location Situate on the waters of the North Fork of Hughes River, Clay Dist
 Acres 96.73
 Date September 12, 19 81
Apper Oil & Gas Corp, Lessee
Vera Langgon, Lessor
 TO
 Oil and Gas Lease

04/12/2022

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

Perforations 12 .49 tru-jet perforations from 2904 to 2910

Stimulation Foam frac with 10 mlbs 20-40 mesh sand, 800 mscf nitrogen and 150 bbls. of treated fluid.
Maximum treating pressure= 4,000
Initial shut-in pressure= ISIP 2400 5min. SIP 1900

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Pennsylvanian & Permian			surface	2061	
1st Cow Run			767	825	
2nd Cow Run			866	899	
8 5/8" surface csg.				1364	
Siltstone, Sandstone, Shale			1364	1479	
First Salt Sand			1479	1493	
Siltstone & Shale			1493	1543	
Second Salt Sand			1543	1575	
Siltstone & Shale			1575	1685	
Third Salt Sand			1685	1717	
Siltstone & Shale			1717	1949	
Maxton Stray			1949	1960	
Siltstone & Shale			1960	2011	
Maxton Sandstone			2011	2050	
Shale			2050	2061	
Greenbriar Limestone			2061	2193	
Siltstone & Shale			2193	2202	
Big Injun Sandstone			2202	2291	G S G @2250
Siltstone & Shale			2291	2467	
Weir Sandstone			2467	2573	oil fluor in samples
Siltstone & Shale			2573	2900	Berea @ 2647-2649
Thirty-Foot Sandstone			2900	2913	
Siltstone & Shale			2913	3307	Gordon not developed @3023-3030 T.D. Driller 3307' T.D. Logger 3289'

(Attach separate sheets as necessary)

Appco Oil and Gas Corporation

Well Operator

By: Ben Smeltzer, Geologist O.S.I.

Date: January 26, 1983

04/12/2024

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 all encountered in the drilling of a well."



IV-35
(Rev 8-81)

Date 1/26/83
Operator's
Well No. #3
Farm Langan
API No. 47 - 085 - 5873

State of West Virginia
Department of Mines
Oil and Gas Division

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

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OCT - 3 1983

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

OIL & GAS DIVISION
DEPT. OF MINE

LOCATION: Elevation: 1268 K.B. Watershed Marsh Run
District: Clay County Ritchie Quadrangle Pennsboro 7.5 min.

COMPANY Appco Oil & Gas Corporation
ADDRESS 100 S. Orange Ave S-909 Orlando, Fla.
DESIGNATED AGENT Richard Brumbaugh
ADDRESS 212 Court St. Spencer, W. Va. 25276
SURFACE OWNER Vera Langan
ADDRESS 1st Nat. Bank P.O. Box 30620, Louisville, Ky.
MINERAL RIGHTS OWNER Vera Langan
ADDRESS 1st Nat. Bank P.O. Box 30620, Louisville, Ky.
OIL AND GAS INSPECTOR FOR THIS WORK

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	60'	60'	driven
9 5/8			
8 5/8	1364'	1364'	to surface=348 f
7			
5 1/2			
4 1/2	3225'	3225'	1500' =336 f
3			
2			
Liners used			

Sameul Hersman ADDRESS P.O. Box 66 Smithville W. Va. 26178

PERMIT ISSUED _____
DRILLING COMMENCED 12/7/82
DRILLING COMPLETED 12/12/82
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON N/A

GEOLOGICAL TARGET FORMATION Gordon Sandstone Depth 3300'+ feet
Depth of completed well 3307' feet Rotary / Cable Tools _____
Water strata depth: Fresh N/A feet; Salt 1478' feet (top)
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Thirty Foot Sandstone Pay zone depth 2900-2913 feet
Gas: Initial open flow 350 Mcf/d Oil: Initial open flow 25 Bbl/d
Final open flow 200 Mcf/d Final open flow 10 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 1050 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

(Continue on reverse side)

RIT. 5873

04/12/2024

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

RECEIVED

DEC 10 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5873

Oil or Gas Well _____
(KIND)

Company <u>Appco Oil + Gas Corp.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Vera Langon</u>	16			Kind of Packer _____
Well No. <u>3</u>	13			
District <u>Clay</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>12-7-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	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 Earl Bailey - Larence E. Hump - Ronnie Jenkins

Remarks: Over John Inc. Rig # 3 Tool Pusher Okey Amos

Visit - Starting surface hole

12-7-82
DATE

Samuel H. Newman
DISTRICT WELL INSPECTOR

04/12/2024

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

04/12/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

DEC 14 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5873

Oil or Gas Well _____
(KIND)

Company <u>Appco Oil & Gas Corp</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Vera Langon</u>	16			Kind of Packer _____
Well No. <u>3</u>	13			
District <u>Clay</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>12-7-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: on 12-8-82 Ran 1342' foot of 8 5/8 casing
Howseco ran 360 sacks cement
1647' foot deep at time of visit on 12-9-82

12-9-82
DATE

Samuel W. Hershey
DISTRICT WELL INSPECTOR

04/12/2024

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

04/12/2024

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

RECEIVED
SEP 6 - 1983
OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well (KIND)

INSPECTOR'S WELL REPORT

Permit No. 85-5873

Company APCO OIL & GAS
Address _____
Farm VERA LANGON
Well No. 3#
District CLAY 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
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: Final inspection

~~Next well record~~

9-1-83
DATE

Alky Underwood
04/12/2024
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

DISTRICT WELL INSPECTOR

04/12/2024



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

November 10, 1983

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

Appco Oil & Gas Corporation
3501 Emerson Avenue -Suite 9-B
Parkersburg, W.Va. 26104
Attn: Mr. John M. Griffin

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5873	Vera Langon # 3	Clay
RIT-5941	H.G. Giboney # 3	Grant
RIT-6258-REV	H.G. Giboney # 4A	Grant
RIT-6288	H.J. Robinson # 2	Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

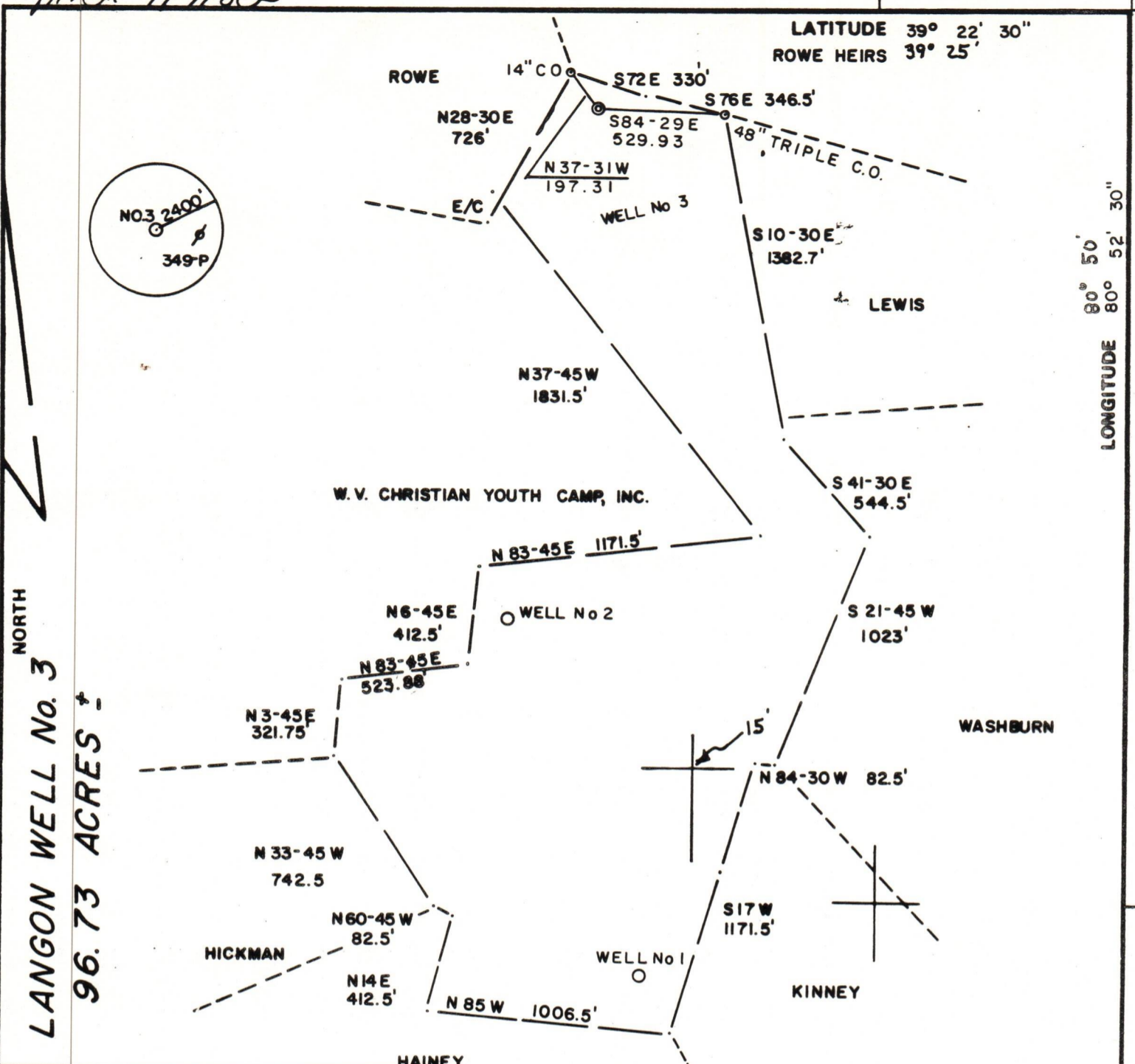
Very truly yours,

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

04/12/2024
TMS/chm

M.J. 9/9/82

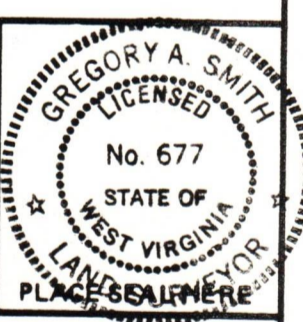
3480'



NORTH
 LANGON WELL No. 3
 96.73 ACRES ±

FILE NO. 7-51
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
 ELEV. 1368'

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



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



DATE JUNE 3, 19 82
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-085-5873
 STATE WEST VIRGINIA COUNTY CLAY PERMIT 5873

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1258 WATER SHED MARSH RUN
 DISTRICT CLAY COUNTY RITCHIE
 QUADRANGLE PENNSBORO 7.5'
 SURFACE OWNER VERA LANGON ACREAGE 96.73
 OIL & GAS ROYALTY OWNER VERA LANGON LEASE ACREAGE 96.73
 LEASE NO. _____
 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 BENSON ESTIMATED DEPTH 5450'
 WELL OPERATOR APPCO OIL & GAS CORP. DESIGNATED AGENT RICHARD H. BRUMBAUGH
 ADDRESS P.O. BOX 14348 ADDRESS 212 COURT ST. P.O. BOX 139
ORLANDO, FLA. 32807 SPENCER, W.V. 25276

04/12/2024