



Date: Sept. 29, 19 82

Operator's Well No. Moss #1

API Well No. 47 -- 085 -- 5933

State          County          Permit         

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

WELL TYPE: Oil X / Gas X / (If "Gas", Production X / Underground storage          / Deep          / Shallow          /)

LOCATION: Elevation: 1068' Watershed: Layfields Run District: Grant County: Ritchie Quadrangle: Schultz (7 1/2')

WELL OPERATOR Ohio & Western Resources, Inc. DESIGNATED AGENT Mark A. Kniffin Address P. O. Box 1246 Parkersburg, WV 26102 Address 24 Crystal Ave. Williamstown, WV 26187

OIL & GAS ROYALTY OWNER Moss, Farr, Blagg Address Rt. 1, Box 42 Belpre, OH Acreage 64 Ac.

COAL OPERATOR N/A Address         

SURFACE OWNER Robert R. Moss Address Rt. 1, Box 42 Belpre, OH Acreage 64 Ac.

COAL OWNER(S) WITH DECLARATION ON RECORD: Name          Address          Name          Address         

FIELD SALE (IF MADE) TO: Address         

COAL LESSEE WITH DECLARATION ON RECORD: Name          Address         

OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel Hersman (477-3597) Address P. O. Box 66 Smithville, WV

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed          / lease          other contract X / dated Aug. 18, 19 82, to the undersigned well operator from Robert P. Jackson

(IF said deed, lease, or other contract has been recorded:) Recorded on Aug. 18, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 147 at page 324. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper          / Redrill          / Fracture or stimulate X / Plug off old formation          / Perforate new formation X / 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 the receipt of this Application by the Department.

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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

RECEIVED OCT 04 1982 OIL & GAS DIVISION DEPT. OF MINES

04/05/2024

OHIO & WESTERN RESOURCES, INC. Well Operator By Sharon Kniffin Its Office Manager

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) S & B Drilling Co.  
Address P. O. Box 1170  
Cambridge, OH 43725

GEOLOGICAL TARGET FORMATION, Devonian Shale (Riley)

Estimated depth of completed well, 5000 feet Air Rotary X / Cable tools        /

Approximate water strata depths: Fresh, 50,268 feet; salt, 1768 feet.

Approximate coal seam depths: unknown Is coal being mined in the area? Yes        / No X /

**CASING AND TUBING PROGRAM**

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	13-3/8	API	36#	X		300'	300'	Surface	Kinds
Fresh Water	8-5/8	API	23#	X		1968'	1968'	Surface	
Coal									Sizes
Intermediate									
Production	4-1/2	J-55	10.5#	X		5000'	5000'	325 sx RFC	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 6-5-83.**  
**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.

**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 regulations.

Date:       , 19       

By         
Its       

*[Red Stamp]*

04/05/2024



DATE 2 September 1982  
WELL NO. Moss #1  
API NO. 47 - 085 - 5933

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

COMPANY NAME Ohio + Western Resources  
ADDRESS 113 Keyser Street  
Devola, Marietta, Ohio 45750  
Telephone (614) 374-2975

DESIGNATED AGENT Mark A. Kniffen  
ADDRESS Crystal Avenue  
Williamstown, W.Va. 26187  
Telephone (304) 375-6045

LANDOWNER Robert R. Moss

SOIL CONS. DISTRICT Little Kanawh

Revegetation to be carried out by Mark A. Kniffen (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 9-13-82 (Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Cross Drain</u> (A) Spacing <u>45' to 400' (As Needed)</u> Page Ref. Manual <u>2:1 + Table 2-4</u>	Structure <u>Diversion Ditch</u> ( ) Material <u>Soil</u> Page Ref. Manual <u>2:12</u>
Structure <u>Rip-Rap (Stone - Logs)</u> (B) Spacing <u>Same as Cross Drain</u> Page Ref. Manual <u>N/A 2-10</u>	Structure <u>Rip-Rap</u> Material <u>Rock - Logs</u> Page Ref. Manual <u>N/A 2-10</u>
Structure _____ (C) Spacing _____ Page Ref. Manual _____	Structure <u>RECEIVED</u> Material _____ Page Ref. Manual <u>OCT 04 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.

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\* Ky 31 Tall Fescue 40 lbs/acre  
Redtop 5 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
\_\_\_\_\_ 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\* Ky 31 Tall Fescue 40 lbs/acre  
Redtop 5 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
\_\_\_\_\_ lbs/acre

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

04/05/2024

PLAN PREPARED BY William R. Mossor, L.L.S.  
ADDRESS 106 North Spring Street  
Harrisville, W.Va. 26362  
PHONE NO. (304) 643-4572

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

04/05/2024

04/05/2024

DEPT. OF...  
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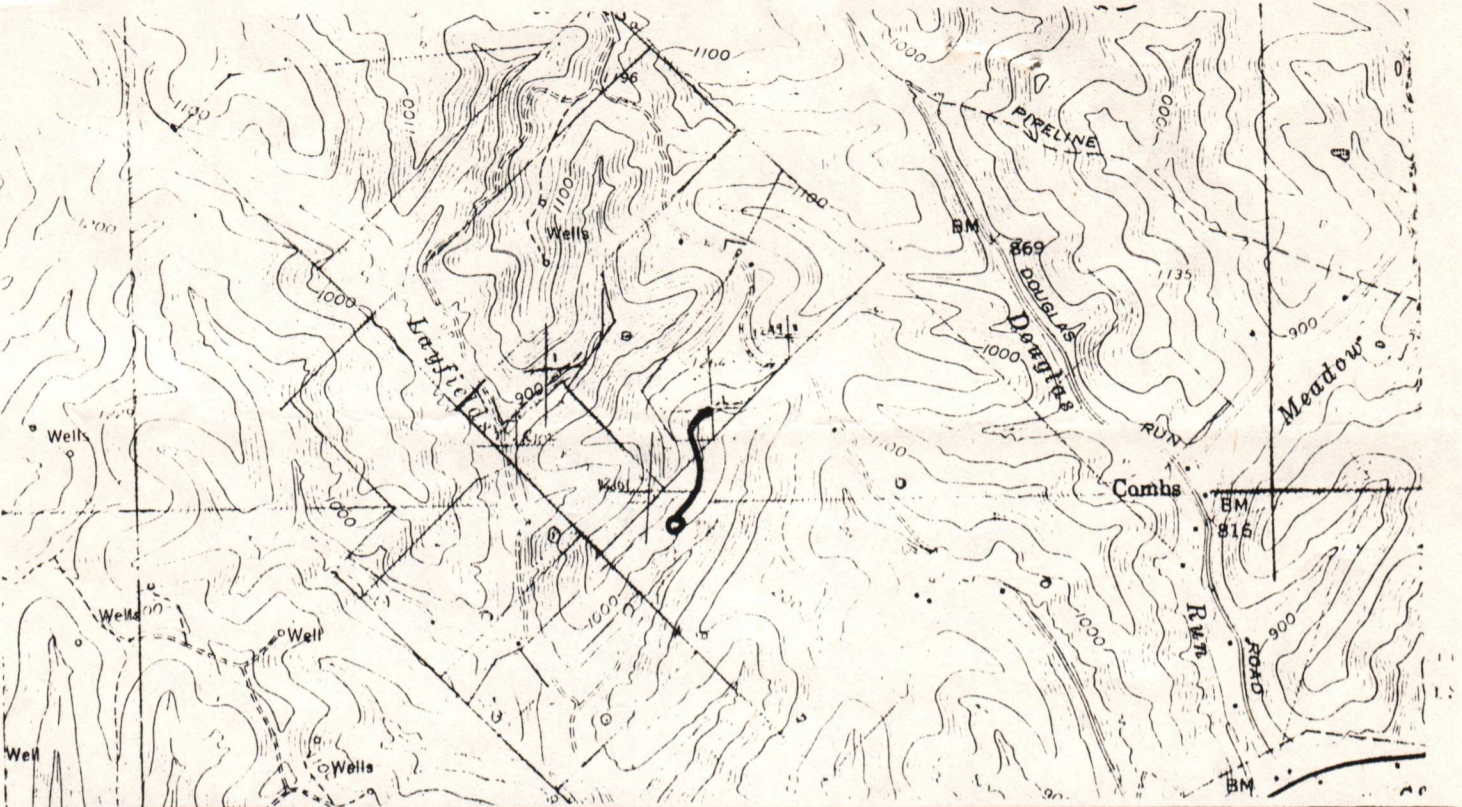
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04/05/2024

All roads used on private property will be maintained.

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Schultz 7 1/2' Quad.

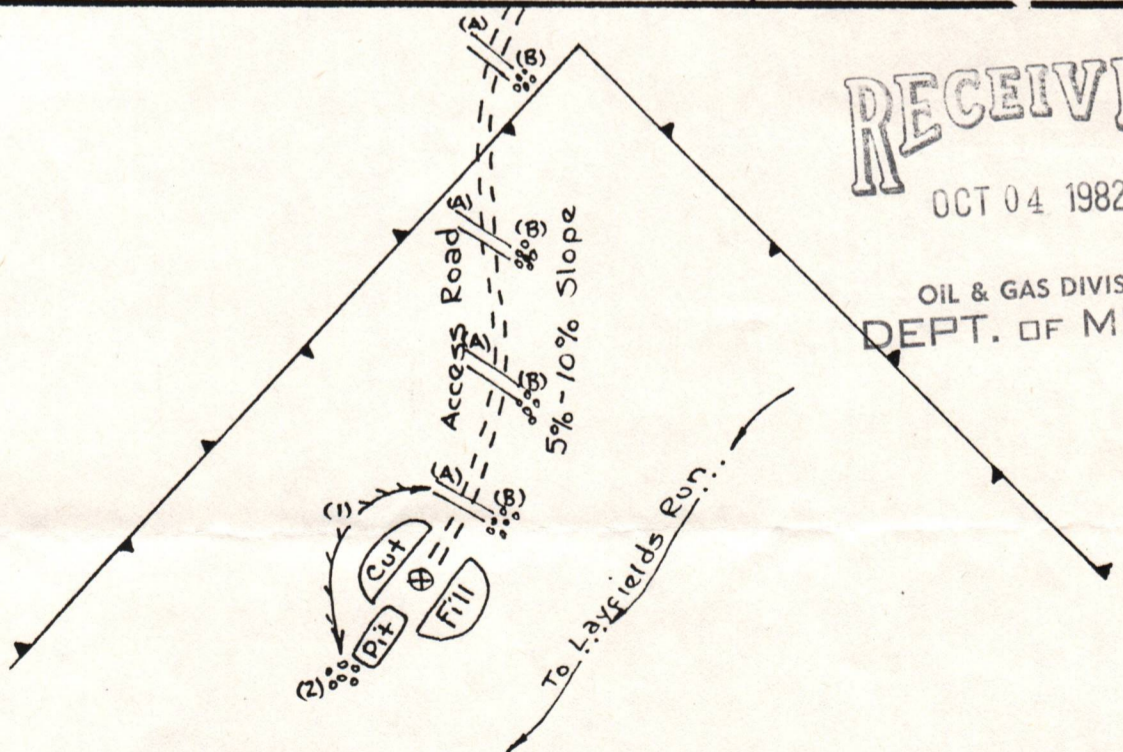
LEGEND  
WELL SITE ⊕ ACCESS ROAD —



LEGEND

Property boundary ————  
 Road = = = = =  
 Existing fence — x — x —  
 Planned fence — / — / —  
 Stream ~ ~ ~ ~ ~  
 Open ditch — ···· —····—····

Diversion —————  
 Spring ○ →  
 Wet spot ♀  
 Building ■  
 Drain pipe — ○ — ○ —  
 Waterway ← = = = =



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OIL & GAS DIVISION  
DEPT. OF MINES

- Comments:
1. Length of Access Road 1000'
  2. Brush and Trees to be piled at Site
  3. All roads used, on private property, will be maintained.
  4. \_\_\_\_\_
  5. \_\_\_\_\_

04/05/2024

47-085-5933



**HARBERT ENERGY CORPORATION**  
ONE RIVERCHASE PARKWAY SOUTH

**RECEIVED**

OCT 24 1983

P.O. BOX 1297  
BIRMINGHAM, ALABAMA 35201  
TELEPHONE (205) 988-3333  
TELEX 59792 OR 596103

DONALD L. COOK  
PRESIDENT

**OIL & GAS DIVISION  
DEPT. OF MINES**

September 30, 1983

Mr. Robert R. Moss  
Route 1, Box 42  
Belpre, Ohio 45714

Dear Mr. Moss:

Harbert Energy Corp. has now completed reclamation on the Moss #1 Well, permit #47-085-5933 in Grant District of Ritchie County, West Virginia. As we discussed previously, some of the timber has been cut and stacked on location. If this is acceptable to you, as surface owner, please sign below and return this copy. We will forward a copy to Mr. Sam Hershman, State Inspector for the Division of Natural Resources.

Sincerely,

*William Dooley*  
William Dooley

WD:dh

ACCEPTED AND AGREED TO  
THIS 6th DAY OF October, 1983.

By Robert R Moss  
Robert R. Moss

04/05/2024



DATE: Sept. 29, 1982

OPERATOR'S

WELL NO.: Moss #1

API NO: 47 - 085 - 5933

State County Permit N

*State of West Virginia*

OFFICE OF OIL AND GAS  
DEPARTMENT OF MINES

A F F I D A V I T

State of West Virginia

County of Ritchie

I, C. A. Kniffin (the 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 permit application to which this affidavit is attached do state that (he, she, or 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 or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: *C. A. Kniffin*

Taken, Subscribed, and sworn to before me this 29 day of Sept, 1982.

Notary: *Bub Thomas*

My Commission Expires: 4-14-88

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OCT 04 1982  
OIL & GAS DIVISION  
DEPT. OF MINES

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
 STAGE #1: 3666,70,71,72,76,80,81,82,84,86,87,88,3707,08,09,10,11,12,17,  
 25,26,27,33,34,35,36,: Broke @ 4000: Max PSI 3030/Ave PSI 2600/ISIP 1900/10  
 10 Min. - 1660: 26 x .39 Holes/ 875,000 SCF/N2:  
 STAGE # 2: 3778, 81, 82,83,84,3816,17,18,25,26,27,28,39,40,47,50,51,52,  
 62,72,73,74,75,76,77,78,79/ Formation Broke @ 3490/ Max PSE 2450/  
 Ave.PSI 2350/ISIP 1840/10Min.1800/27 x .39" Holes/1,000,000 SCF/N2.  
 STAGE #3: 3929,30,31,32,40,41,42,43,56,57,58,64,65,66,76,77,78,81,82,  
 83,84,88,89,90,4014,15,16,20,21,22,46,47,49,49,50,51,52,78,79,80,  
 4125,26,27,38,39,40 46x.39 Holes/ Formation Broke @ 2620/Max. PSI 2620/  
 Ave PSI 2270/ ISIP 1880/ 10Min. 1720/ 1,000,000 SCF/N2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand			0	100	
Sandstone			100	200	
Shale			200	290	
SLT			290	380	
Shale			380	440	
Sandstone			440	470	
SLT			470	980	
SS			980	1220	
SLT, SS, Shale			1220	1730	
Shale			2040	2610	
SLT & Shale		GORDON	2610	2700	
Shale & SLT			2700	2850	
WARREN			2850	3300	
Shale & SLT			3300	3330	
SL			3330	3370	
SL & SLT			3370	3400	
Shale		TIONA	3400	3450	
Shale & SLT			3450	3480	
Shale			3480	3530	
SH & SLT		SPEECHLEY	3530	3670	
SL & SLT			3670	3730	
BALLTOWN			3730	4060	
BRADFORD			4060	4240	
SHALE			4240	TD	

(Attach separate sheets as necessary)

OHIO & WESTERN RESOURCES, INC.

Well Operator

04/05/2024

By: *Mark Kniffin* (Mark Kniffin)

Date: December 10, 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 ... encountered in the ... filling of a well."



State

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

IV-35  
(Rev 8-81)

Date 12-10-82  
Operator's \_\_\_\_\_  
Well No. #1  
Farm Moss  
API No. 47 - 085 - 5933

State of West Virginia

RECEIVED Department of Mines  
Oil and Gas Division

MAR 30 1983

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: 1068 Watershed Goose Creek  
District: Grant County Ritchie Quadrangle Shultz

COMPANY OHIO & WESTERN RESOURCES, INC.  
ADDRESS P.O. Box 1246, Prksbrg, WV 26102  
DESIGNATED AGENT Mark Kniffin  
ADDRESS 24 Crystal Ave. Willmstwn, WV  
SURFACE OWNER Robert Moss  
ADDRESS Rt. #1, Box 42, Belpre, OH  
MINERAL RIGHTS OWNER Moss, Farr, Blagg  
ADDRESS Rt. #1, Box 42, Belpre, OH  
OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman  
ADDRESS PO Bx. 66, Smthville, WV  
PERMIT ISSUED October 82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	45	45	Surface
9 5/8			
8 5/8	1764	1764	Surface
7			
5 1/2			
4 1/2	4179	4179	2320' of fill
3			
2			
Liners used			

DRILLING COMMENCED 10-16-82  
DRILLING COMPLETED 10-22-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Devonian Shale (Riley) Depth 4385 feet  
Depth of completed well 4179 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 150 feet; Salt 1700 feet  
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Speechly Balltown Pay zone depth 3670 - 4140 feet  
Gas: Initial open flow 128 Mcf/d Oil: Initial open flow Mist Bbl/d  
Final open flow 128 Mcf/d Final open flow Mist Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 500 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation See Attached Sheet 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)

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5933

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Ohio Western Resources  
 Address \_\_\_\_\_  
 Farm Robert R. Moss  
 Well No. Moss # 1  
 District Grant County Ritchie  
 Drilling commenced 10-18-82  
 Drilling completed 10-26-82 Total depth 4353  
 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 Harry Slevin - Mark Hursey - Bob Lute

Remarks: S+B Drilling Rig #1 tool Pusher Jeff Langer

10-20-82 Ran 1726 foot of 8 5/8 casing C.T.S.  
10-26-82 Ran 4318 foot of 4 1/2" casing - J.55 - 10 1/2 lb.  
B.J. Hughes ran 250 sacks cement

10-26-82  
DATE

Samuel N. Hersman **04/05/2024**  
 DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

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FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION  
 DEPT. OF MINES

Permit No. 085-5933 County Ritchie  
 Company Ohio Western Resource Farm MOSS  
 Inspector MIKE U. Well No. 1<sup>st</sup>  
 Date 9-29-83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	<u>X</u>	_____

COMMENTS: FINAL INSPECTION O.K. & RELEASE

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I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Mike U. 04/05/2024  
 DATE: 9-29-83



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

WALTER N. MILLER  
 DIRECTOR

THEODORE M. STREIT  
 ADMINISTRATOR

November 14, 1983

Ohio & Western Resources  
 113 Keyser Street  
 Devola  
 Marietta, Ohio 45750

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-5612	Charles Turner, #1	Grant
RIT-5717	Robert & Melinda Johnson, #1	Grant
RIT-5817	R. Jackson, D. Heinritz, Jackson/Madden #1	Grant
RIT-5933	Robert R. Moss, #1	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.

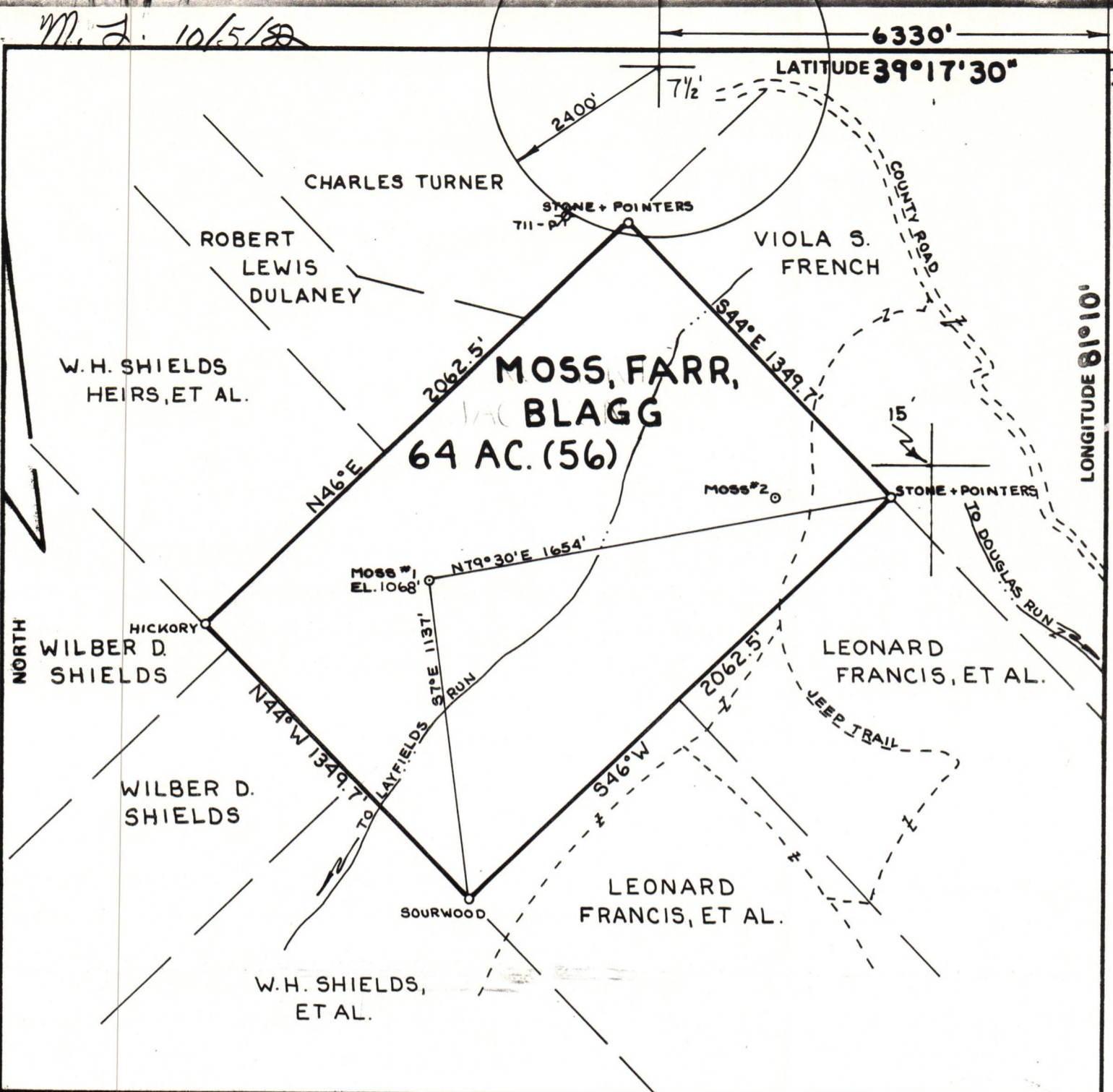
Very truly yours,

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

TMS/rl

04/05/2024

M. Z. 10/5/82



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE **1" = 500'**  
 MINIMUM DEGREE OF ACCURACY **1:200**  
 PROVEN SOURCE OF ELEVATION **HIGH POINT**  
**1264'**

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 A. Kniffen*  
 R.P.E. \_\_\_\_\_ L.L.S. **551**

PLACE SEAL HERE

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



DATE **2 SEPTEMBER, 1982**  
 OPERATOR'S WELL NO. **MOSS #1**  
 API WELL NO. \_\_\_\_\_  
**47 - 085 - 5933**  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION **1068'** WATER SHED **LAYFIELDS RUN**  
 DISTRICT **GRANT** COUNTY **RITCHIE**  
 QUADRANGLE **SCHULTZ 7 1/2' QUAD.**  
 SURFACE OWNER **ROBERT R. MOSS** ACREAGE **64 (56)**  
 OIL & GAS ROYALTY OWNER **MOSS, FARR, BLAGG** LEASE ACREAGE **64 (56)**  
 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 **BENSON** ESTIMATED DEPTH **5700'**  
 WELL OPERATOR **OHIO + WESTERN RESOURCES** DESIGNATED AGENT **MARK A. KNIFFEN**  
 ADDRESS **113 KEYSER STREET** ADDRESS **CRYSTAL AVENUE**  
**DEVOLA, MARIETTA, OHIO 45750** **WILLIAMSTOWN, W.VA. 26187**