Date: December 27, 1979

Operator's Well No. 2-1554-U

API Well No. 47 - 083 -0301 | State County | Fermit Harry McMullan, Jr., Estate
(ON #2 (1554-U)

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

#### OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil/ Gas _X_/	
(If "Gas", Production X / Undergrou	and storage/ Deep/ Shallow_X/)
LOCATION: Elevation: 2089' Watershed	Middle Fork River
District: Roaring Creek County: _	Randolph Quadrangle: Ellamore
WELL OPERATOR UNION DRILLING, INC.	DESIGNATED AGENT UNION DRILLING, INC.
Address P. O. Drawer 40	Address P. O. Drawer 40
Buckhannon, WV 26201	Buckhannon, WV 26201
OIL & GAS Harry McMullan, Jr., Estate ROYALTY OWNER Harry McMullan, III, Agent	COAL OPERATOR
Address P. O. Box 8	Address
Washington, NC 27889	
Acreage 8,663	COAL OWNER(S) WITH DECLARATION ON RECORD: Harry McMullan, Jr. Estate
SURFACE OWNER Westyaco	Name Harry McMullan, III, Agent
Address 203 Randolph Avenue	Address P. O. Box 8
Elkins, WV 26241	Washington, N.C. 27889
Acreage330	Name
FIELD SALE (IF MADE) TO:	Address
Name	
Address	COAL LESSEE WITH DECLARATION ON RECORD:
	Name AMAX COAL CO., 105 S. Meridean St. Indianapolis, Ind. 462
OIL & GAS INSPECTOR TO BE NOTIFIED	(and) International Coal
Name Mr. Robert S. Stewart (884-7782)	c/o Walter W. Burton, Agent 1426 Main Street
Address Jane Lew, WV 26378	Princeton, WV 24740
	UDI Lease #765
The undersigned well operator is entitle	d to operate for oil or gas purposes at the above
	contract/ dated April 1, 1975 _, to the
undersigned well operator from Harry McMullan,	
[If said deed, lease, or other contract has been r	scorded: ]
Recorded on August 29, 1975, in the offic	e of the Clerk of the County Commission of Randolph
County, West Virginia, in O/G Book 29	5 at page 143. A permit is requested as follows:
PROPOSED WORK: Drill x / Drill deeper /	
	Perforate new formation/
Other physical change in well	
	(specify)
planned as shown on the wor	k order on the reverse side hereof.
planned as shown on the wor	k order on the reverse side hereof.  r(s), and coal lessee are hereby notified that any
planned as shown on the wor The above named coal operator, coal owne objection they wish to make or are required to make	k order on the reverse side hereof.  r(s), and coal lessee are hereby notified that any be by Code § 22-4-3 must be filed with the Department
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planned as shown on the wor  The above named coal operator, coal owne objection they wish to make or are required to mak of Mines within fifteen (15) days after the receip Copies of this Permit Application and th by registered mail or delivered by hand to the abo on or before the day of the mailing or delivery of Charleston, West Virginia.  PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST	(specify)  k order on the reverse side hereof.  r(s), and coal lessee are hereby notified that any e by Code § 22-4-3 must be filed with the Department t of this Application by the Department.  e enclosed plat and reclamation plan have been mailed eve named coal operator, coal owner(s), and coal lessee this Permit Application to the Department of Mines at  UNION DRILLING, INQ3/29/2024  Well Operator  By asph Attley

#### PROPOSED WORK ORDER

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

GEOLOGICAL TARGET FORMATION, Elk  Estimated depth of completed well, 5000 feet Rotary x / Cable tools Approximate water strata depths: Fresh, 2 feet; salt, 2 feet.  Approximate coal seam depths: 7 feet; salt, 2 feet.  Approximate coal seam depths: 7 ls coal being mined in the area? Yes / Casing and TUBING PROGRAM  CASING OR TUBING PROGRAM  CASING OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP OR SACKS  TUBING TYPE Size Grade beer ft New Used For drilling Left in well (Cubic feet)  Conductor 11 3/4" x 20' 20' 20' Kinds  Fresh water Coal Sizes  Intermediate 8 5/8" 23# x 1000' 1000' to surface  Froduction 4 1/4" 10½# x 5000' 5000' 400 sks. Depths set  Tubing  MOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of form IV-2 must be filled with the Department, accompanied by (3) a plat in the form prescibly Regulation 11, (11) a bond in one of the form prescribed by Regulation 12, or in 15et thereof the other security allowed by Gods 5 22-4-2 (11) from IV-2. Teleclamotion Plant, applicable to the reclamation required by Gods 5 22-4-10 from the connect required by Code 5 21-4-10 and guy if applicable to the reclamation required by Code 5 21-4-10 for putter well or dwelling with the noneast required by Code 5 21-4-5 filed in connection therewith.  A separate Porm IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating to the part of the work for which a permit is sought an is noted as such on the Form IV-2 filed in connection therewith.  It is PERMIT MUST 2E POSTED AT THE WELL SITE  All provious being in accordance with Chapter 22, and in the form prescribed by Code 5 21-4-10, if the permit or commenced by 9-11-80  Deputy Director - The Gas Division	/ No X ACKERS Ons: Bottom
Estimated depth of completed well, 5000 feet Rotary X / Cable tools Approximate water strata depths: Fresh, ? feet; salt, ? feet.  Approximate coal seam depths: ? Is coal being mined in the area? Yes/  CASING AND TUBING PROGRAM  CASING OR TUBING PROGRAM  CASING OR SPECIFICATIONS  FOOTAGE INTERVALS  COMMUNITY  Size Grade per ft New Used For drilling Left in well (Cubic feet)  Conductor 11 3/4"	/ No X ACKERS Ons: Bottom
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PACK WISING OR WISING TYPE  Size Grade per fit New Used For drilling Left in well Could feet)  Conductor 11 3/4"	ons: Bottom
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OTE: 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 prescibly Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lies 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 consent required by Code \$ 22-4-2a 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 an ite noted as such on the Form IV-2 filed in connection therewith.  This PERMIT MUST 2E POSTED AT THE WELL SITE  All provious being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling  This permit shall expire it operations have not commenced by 9-11-80  Operations have not commenced by 9-11-80  The following waiver must be completed by the coal operator and by any coal conserver or coal lesses who has recorded a declaration under Code \$ 22-4-20, if the permit	Bottom
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or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit	
or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit	
The undersigned coal operator / owner / lessee / of the coal under the ocation has examined this proposed well location. If a mine map exists which covers the area coal location, the well location has been added to the mine map. The undersigned has no object he work proposed to be done at this location, provided, the well operator has complied with all opplicable requirements of the West Virginia Code and the governing regulations.	ection to
pplicable requirements of one west virginia oode and one governing regulations.	
02/06	
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ate:, 19	/29/202
	29/202

#### [08-78]

#### PROPOSED WORK ORDER

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

				Addre		P. O. Drawe			
						Buckhannon,	WV 26201		
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Estimat	ed dep	th of	complet	ed we	11, _	5000	feet	Rotary x /	Cable tools/
								? feet.	
Approxi	mate c	cal se	am dept	hs:	?	Is	coal being min	ned in the area	? Yes/ No_X_/
ASING AND T	UBING	PROGRAI	М						
ASING OR UBING TYPE	Size		Weight per ft	1	Used			CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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resh water									
al		111					000		Sizes
ntermediate	8 5/8	8"	23#	x		1000'	1000'	to surface	
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where is not	fractuted as  PERMIT	paid or requir the pr separa wring o such o	n the seed by (coposed ste Form on the !	ame v Code ! well. m IV-2 ulatir Form   Code location The	ell, 22-4 2 shall 1g is 1V-2 j	the fee requirement of the Chapter 22 the Chapter 2 the country of the Chapter 2 the country of the Chapter 2 the chapter approve the chapter approve the chapter approve the chapter that the chapter	22-4-12b and red by Code so owner of any ired for fraction therewise	turing or stime	(v) if applicable, welling within
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March 3 Date: \_

\_, 19\_80

Operator's Well No. 2 - 1554-U

API Well No. 47 - 083 - 0301 State County Fermit
Harry McMullan, Jr., Estate #2
(1554-U)

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

LOCATION REVISED

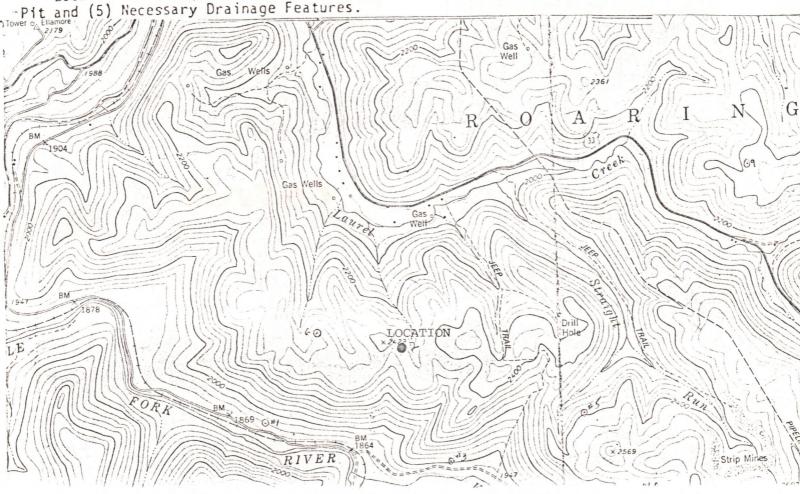
### OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: O11/ Gas _X_/	/ Deep / Shallow X /)
	und storage/ Deep/ Shallow_x_/)
LOCATION: DICTORY	: Middle Fork River
District: Roaring Creek County: _	Randolph Quadrangle: Ellamore
WELL OPERATOR UNION DRILLING, INC.	DESIGNATED AGENT UNION DRILLING, INC.
Address P. O. Drawer 40	Address P. O. Drawer 40
Buckhannon, WV 26201	Buckhannon, WV 26201
OIL & GAS Harry McMullan Jr., Estate ROYALTY OWNER Harry McMullan, III, Agent	COAL OPERATOR
Address P. O. Box 8	Address
Washington, N.C. 27889	
	COAL OWNER(S) WITH DECLARATION ON RECORD:
Acreage 8,663	Name Harry McMullan, Jr., Estate  Harry McMullan, III Agent
SURFACE OWNER Westvaco	Address P. O. Box 8
Address 203 Randolph Avenue	Washington, N.C. 27889
Elkins, WV 26241	Name
Acreage 330	Address
FIELD SALE (IF MADE) TO:	Add. 633
Name Mr. Robert S. Stewart (884-7782)	COAL LESSEE WITH DECLARATION ON RECORD:
Address Jane Lew, WV 26378	
	Name AMAX COAL CO., 105 S. Meridean St. Indianapolis, Ind. 4622
OIL & GAS INSPECTOR TO BE NOTIFIED	Address(and) International Coal c/o Walter W. Burton, Agent
Name	1426 Main Street
Address	Princeton, WV 24740
location under a deed/ lease _x _/ other undersigned well operator from Harry McMulla	recorded:]
Turnet 29 19 75 . in the offi	ce of the Clerk of the County Commission of Nandolphi
Recorded on August 25 , 15 , 15 , 15 , 15 , 15 , 15 , 15 ,	5 at page 143. A permit is requested as follows:
County, west virginia, in O/G	/ Redrill / Fracture or stimulate x/
Plug off old formation/	n and formation
Other physical change in wel	ADDITION OF THE PROPERTY OF TH
Other physical change in Hor	
the way	ork order on the reverse side hereof.
planned as shown on the	ner(s), and coal lessee are hereby notified that any
The above named coal operator, coal own	ake by Code § 22-4-3 must be filed with the Department
objection they wish to make or are required to ma	the by tode & First S mant
of Mines within fifteen (15) days after the recei	ipt of this application of the land have been mailed
Copies of this Permit Application and t	the enclosed plat and reclamation plan have been mailed
by registered mail or delivered by hand to the at	bove 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:	1980 03/29/2024
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST OIL & GAS DI	
CHARLESTON, WV 25311 DEPI. OF	MINES \ / \
TELEPHONE: (304) 348-3092	· By Joseph . Telley

BLANKET BOWN Its Joseph C. Pettey, Production Manager

RECLAMATION PLAN	WELL NO. 2-1554-U .
DHADDANGE Filamore 7.51	SCALE 1" = 2000'

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME Union Drilling Inc.

PERMIT NO.

083-0301- Rev

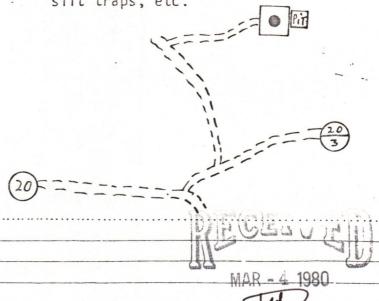
FARM Harry McMullan Jr., EstDISTRICT Roaring Creek

COUNTY Randolph

STATEMENT OF RECLAMATION PLAN:

Location will be ditched to desperse water without causing erosion. Road will be culverted to prevent erosion, and provide proper drainage where needed. After well is completed, surface will be restored to its original contour or as near as possible its original contour. Area will then be mulched down and seeded.

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.



OIL & GAS DIVISION DEPT. OF MINES

This plan was observed and agreed upon between the well operator, com 23/29/2024 and the district oil and gas inspector. Robert S. Stewart

> Please indicate ( ) "YES" if the district inspector was present.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Submitted By:

Jacque Joseph Pettey

Title Production Manager

Date 3/3/80

LAW OFFICES

## BOWLES. McDavid, GRAFF & Love

1200 COMMERCE SQUARE

P. O. BOX 1386

CHARLESTON, WEST VIRGINIA 25325

AREA CODE (304) 344-9621

COUNSEL

DONALD O BLAGG

M. HARPER MAUZY

ARTHUR G. STONE

HOR 2 1980

March 20, 1980

OIL & GAS DIVIS CHI DEPT. OF MINES

Department of Mines Oil and Gas Division 1615 Washington Street Charleston, West Virginia 25311

Gentlemen:

PAUL N. BOWLES

F. T. GRAFF, JR.

WILLIAM R. MCDAVID

CHARLES M. LOVE, III

ROGER W. TOMPKINS, II

GEORGE A. PATTERSON, III LEA E. ANDERSON

P. MICHAEL PLESKA

GARY G. MARKHAM CARL D. ANDREWS RICKLIN BROWN J. THOMAS LANE GERARD R. STOWERS P. NATHAN BOWLES, JR. THOMAS B. BENNETT

SARAH E. SMITH RICHARD M. FRANCIS WILLIAM H. SCHARF

We represent International Coal Company, coal lessee of Neva S. McMullan (formerly Harry McMullan, Jr. Estate). We have received and reviewed the applications for drill permits filed by Union Drilling, Inc. for operator's Well Nos. 6-1548-U, 9-1551-U, 8-1550-U and 2-1554-U. International Coal Company has no objections to these locations; however, please note that future notices should be addressed to International Coal Company at 119 West Washington Street, Lewisburg, West Virginia 24901, with copies to F. T. Graff, Jr., P. O. Box 1386, Charleston, West Virginia 25325.

Yours very truly

F. T. Graff, Jr

FTG/pmd

cc: International Coal Company Union Drilling, Inc.

March 7, 1980

MAR 1 0 1980

Chief Petroleum Engineer
Department of Mines
Oil & Gas Division
1616 Washington Street, East
Charleston, West Virginia 25311

OIL & GAS DIVISION EPT. OF MINE

Dear Sir:

Enclosed is a copy of the AMAX Coal Company letter of approval that has been sent to the respective oil company, for their representative's signature. When you receive the signed version, that will automatically give AMAX's permission for issuing the permit. The signed copy is the agreement by the oil operator that they agree to AMAX's stipulations for drilling and completing the well.

Cordially,

Robert J. Reynolds, Senior Geologist

Ochel J. Oryund

for James W. Faber, Manager Development Geology

RJR/mdt

**Enclosures** 



105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 • [317] 266-2626

January 4, 1980

NEGEL 0 11)
JAN 1 0 1980

Department of Mines Oil and Gas Division 1615 Washington Street, East Charleston, West Virginia 25311

OIL & GAS DIVISION DEPT. OF MINES

Re: Permit Application -

Union Drilling, Inc.
Operators Well #2-1554-U
Roaring Creek District
Randolph County, West Virginia

Dear Sirs:

The AMAX Coal Company has received notification that a permit has been issued to drill the above-mentioned well. The AMAX Coal Company will offer no objection to the drilling of this proposed well provided the applicant intends to drill the proposed well subject to the following conditions:

- 1. All drilling and casing of the well shall be done in compliance with the laws and regulations of the State of West Virginia for wells drilled through workable coal beds.
- 2. All workable coal seams regardless of depth shall be plugged in accordance with the rules and regulations of the State of West Virginia, specifically as outlined in Article 4, Chapter 22 of the West Virginia Code.
- 3. AMAX will be given at least 72 hours notice prior to plugging a dry hole or setting production string in a productive well. Please contact Mr. David Darko (317/266-2633) or Mr. James Faber (317/266-2797).
- 4. A complete drillers' log of the well from surface to total depth shall be sent to AMAX upon completion of the hole and a copy of such log shall be made available to any AMAX representative upon his arrival at the well site.

Department of Mines Page Two January 4, 1980

- 5. Union Drilling, Inc., will provide AMAX with a density and natural gamma log covering the interval from total depth to surface. In addition, one copy of any other geophysical log shall be sent to AMAX. However, AMAX Coal Company retains the option to run their own logs or have this service contracted out. Please contact Mr. David Darko (317/266-2633) for questions on this procedure.
- 6. Copies of the completion report and plugging affidavit if applicable, shall be sent to AMAX Coal Company, Attention: James W. Faber.

Sincerely,

Robert J. Reynolds, Senior Geologist

Colout S. Dyoul

for James W. Faber, Manager Development Geology

RJR/mdt

**Enclosures** 

cc:

Union Drilling, Inc. C. W. Porterfield David Darko

The above stipulations are agreed to as a condition for obtaining

a drilling permit

Representative of Union Drilling, Inc.

AMAX

COAL COMPANY

105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 • [317] 266-2626

March 7, 1980

tar, 20/

MAR 1 1 1980

OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines Oil and Gas Division 1615 Washington Street, East Charleston, West Virginia 25311

Re: Permit Application -

Union Drilling, Inc.
Operators Well #2-1554-U
Raoring Creek District
Randolph County, West Virginia

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Department of Mines Page Two March 7, 1980

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Sincerely,

Oobel J. Ougan Robert J. Reynolds, Senior Geologist

for James W. Faber, Manager Development Geology

RJR/mdt Enclosures

cc: Union Drilling, Inc.

David Darko

The above stipulations are agreed to as a condition for obtaining a drilling permit

3-10-5-6 (date)

[08-78]							
DETAILS OF PERFORATED INTERPOLATION	ERVALS, FRA	ACTURING OR S	Alexand	PHYSICAL :	THANGE, ETC. Pay zone	e depth	4152'
					il: Initial open flo		
					Final open flow		
					nd final tests, ?		
Sta	tic rock p	ressure,	710 psig	(surface m	easurement) after 2	1 hours s	shut in
(If appl	icable ine	to multiple	completion	]			
Second p	roducing f	ormation	Elk		Pay zone	depth	4971'
					l: Initial open flo		
					Final open flow,		
Ril Alexand	rd — ey — er —	250 B 250 B 375 B 455 B 663 B	bls. —	39,0 $$ 45,0	000# Sand 000# Sand 000# Sand		2525
FORMATION:	Color	Hard or Soft	g Top Feet	Bottom Feet	Remarks Including indication and salt water, con	on of all f	
Sand Sand & Shale Sand Coal			0 116 188 315	116' 188 315 318	½" Water @ 40 Coal @ 315-3		
Sand & Shale Sand Sand & Shale Sand			318 335 790 926	335 790 926 954	COAL @ SIS-S		
Sand & Shale & Red	Rock		954	1143	48840000		

Sand & Shale			116	100	2 Water & 40
Sand		post fig.	188	188 315	
Coal			315	318	Coal @ 315-318'
Sand & Shale			318	335	Coat @ 313-319.
Sand			335	790	
Sand & Shale		3	790	926	
Sand			926	954	
Sand & Shale & Red	Rock		954	1143	
Big Lime	1.50.0		1143	1280	
Injun			1280	1374	
Sand & Shale		6 - 7 -	1374	2018	and the second of the second o
Bayard			2018	2077	and the second of the second o
Sand & Shale			2077	3413	
Riley		and Alberta	3413	3530	
Sand & Shale			3530	3688	
Benson			3688	3705	•
Sand & Shale			3705	4149	
Alexander			4149	4152	
Shale			4152	4938	
Elk		100 100	4938	4971	
Shale			4971.	5279 TD	
			4		
	· ·				
			a day of the second		
	1,000,000				
			W .	- 2	
		(4++	ach concret		

(Attach separate sheets to complete as necessary)

Well Operator INC

03/29/2024

Its Joseph C. Pettey, Production Manager

Regulation 2.02(i) provides as follows: NOTE:

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

[08-78]

Date: MAY 8 1980 , 19 Operator's Well No. 2-1554-U

API Well No. 47 - 083 - 0301.

Harry McMullan, Jr. Est. #2 STATE OF WEST VIRGINIA H

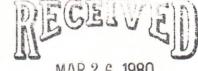
# WELL OPERATOR'S REPORT & OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE.	217	/ 3	as X	/ Liquid	d Injection	Waste Di	sposal '	
					Underground sto			Shallow X /)
					Watershed: Mic			
			184		County: Rando			llamore
			0					Orilling, Inc.
WELL OPERATO Address						SIGNATED AGE:	P.O. Dr	rawer 40
Address				WV 2620				nnon, WV 26201
		uckilai	111011,	WV 2020	<u>JI</u>	-	DUCKIE	111011; WV 20201
PERMITTED WO	Pl	ug off	old for	rmation_	_/ Drill deeper / Perforate well (specify)	new formati	on/	sture or stimulate X
DEDMIN TOOM	ED ON	March	2 4	10	<u>80</u> , or	T & CAS THE	PECTOR ROR THIS	MOEK.
(IF APPLICA				4			Robert S.	
CONTINU	JOUS PR	OGRESSI	ON FROM	DRILLING	OR NED	Address	Jane Lew,	W 26378
			, 19		(ED	Address		
					FIL		Depth	5000! feet
					feet Rotar			
	San Held Committee		NUMBER OF STREET		eet; salt,			<del>-</del>
					Is coal being		he area? No	
West se	eam dep	cns: _	Marc	h 25	13 6021 5611	nd completed	April 1	, <sub>19</sub> <u>80</u>
work wa	as comm	enced	TRIC			id completed		
CASING AND	TUBING	PROGRA	M					
CASING OR TUBING TYPE	S178	SPEC	Weight	ONS	FOOTAGE IN	TERVALS	CEMENT FILL-UF OR SACKS (Cubic feet)	PACKERS
Conductor	11	1	1	X		16'		Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8	1	20#	X	996.951	996.951	250 sks.	
Production	11	1	1011	X	5109.501	5109.50'	725 sks.	Depths set
Tubing								
Liners								Perforations:
						NG. The state of t		20 <del>[8720 2075/77</del>
								3413/15 3466/68
								3528/30 4149/52
OPEN FLOW D	АТА							4938/40 4953/56 4968/71
		mation		Bayard			Pay zone deot	2077' feet
oduo	ae. In	1+121	onen flo	Sho	Mcf/d 0	il: Initial	open flow.	
ď					200 Mcf/d			
					etween initial a			
	tatio m				psig (surface m			
				The state of the state of	letion]			
							Pay zone dent	03/ <b>29/2</b> 024 feet
					W Mcf/d 0.			
G.								
	Fi				00 Mcf/d			
					etween initial a			
S	tatio r	ock pr	essure,		psig (surface m	easurement) a	1. ter <u>24</u> no	arb shav in

Permit No. 083-030/

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



MAR 2 6 1980

## INSPECTOR'S WELL REPORT

OIL & GAS DIVISION DEPT. OF MINES

Oil or Gas Well GAS

Company UNION	DRILING	INC	TURING	DRILLING	Well	PACKERS
Address Bucky	HANNON		Size			mail is solubly as a second
FARM HARRY	Mª MUII	AN	16			Kind of Packer
Well No. 2-15.			13			
			10		Andread on the Second	Size of
District ROARING CX	Reek County	KANDO/PH	814			
Drilling commenced	3-24-8	0	65/4			Depth set
Drilling completed	Total de	pth	5 3/16			
Date shot	Depth of sho	t	2		2	Perf. bottom
Initial open flow	/10ths Wa	ter inInch	Liners Used			Perf. top
Open flow after tubing	/10ths Mer	c. inInch				Perf. bottom
Volume		Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FTDa
lock pressure	lbs	hrs.	NAME OF SER			
Dil	bb	ols., 1st 21 hrs.	COAL WAS EN	COUNTERED	ATI	FEETINCHE
resh water	feet	feet				
alt water						EETINCHE
rillers' Names Un	100	DPIG	Riv -	/		

Remarks:

Move RiG - SPUD

3-24-80

Robert State 3/29

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

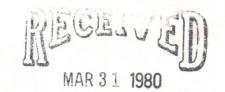
Permit No.	-			We	II No	
COMPANY			ADDRESS			
FARM		DISTRIC	Т(	COUNTY		
iner Loc	eation	Amount	Packer	Location	172	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			47/2004	Dasy-		
rillers' Names				,		
marks:	-					
	,					
DATE	I hereby certify I v	isited the abo	ve well on this date.			

Permit No. 083-030/

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT DEPT. OF MINES

Oil or Gas Well GAS

CARING AND USED IN Leftin Company UNION DRILLING IND TURING Well Siza Kind of Packer\_ 13 District ROARING CREEK COUNTY RANDO/PH Drilling commenced 3-24-80 Depth set\_ 53/16 Drilling completed\_\_\_ Total depth Perf. top\_ Date shot\_ \_\_\_Depth of shot\_ Perf. bottom\_ Liners Used Initial open flow\_ \_/10ths Water in\_ Perf. bottom Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_ Volume\_ NAME OF SERVICE COMPANY / In MAR Rock pressure\_ \_lbs.\_ Oil bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT\_\_\_\_ \_FEET INCHES Fresh water feet feet INCHES FEET INCHES Salt water\_ FEET INCHES FEET INCHES

Remarks:

EMENT TO SURFACE

3-28-80 DATE

Lakert Stew 03

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

		ADDRESS			
		Γ			
on	Amount	Packer	Location	370	
DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS
				-	
				-	
		N. V. C. C. C. C.			
	OR DEPTH PLACED	DEPTH PLACED	On Amount Packer  DEPTH PLACED BRIDGES  WOOD-SIZE LEAD CONSTRUCTION-LOCATION	ON Amount Packer Location  DEPTH PLACED BRIDGES CASIN  WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED	ON Amount Packer Location  DEPTH PLACED BRIDGES CASING AND TU  WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE

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

OIL AND GAS WELLS DIVISION



## INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-030/

Oil or Ga: Well GAS

Company LINION J	DR. IlinG	ive	CASING AND TURING	DRILLING	Left in Well	PA	XERS
Address BuckH	ANNON	Child Statistics come against the same of	Size				
Para HARRY	Mc Mull	lev	16	K. C. C.		kind of P	icker
Well No. 2-1554	4-0	all fact that the same of the	13			Size of	
District ROHRING CR	eek County RA	VDO/PH	R14		1		
Drilling commenced	3-24-8	0	6%			Depth set	44.
Drilling completed	Total depth_		5 3/16			Parf tan	-
Date shot	Depth of shot		2				nn
Initial open flow	/10ths Water	inInch	Liners Used				
Open flow after tubing	/10ths Merc. i	nInch				Perf bott	am
Volu.ne		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT,	Date
Rock pressure	lbs	hrs	NAME OF SER	RVICE COMP	ANY	4	
Oil	bbls	. 1st 21 hrs.	COAL WAS EN	COUNTERE	) AT	FEET	INCHES
Fresh water	feet	feet	FEET	INC	HES	FEET	INCHES
Salt water	feet	feet	FEET.	INC	HES	FEET	INCHES
Drillers' Names							

Remarks:

D.K. To Release

Robert Stewart

10-22-80

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

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OMPANY		The Christian Polytical Street when the service with the service service will be serviced to the control of the service with the service will be serviced to the service with the service will be serviced to the service with the service will be serviced to the service with the service will be serviced to the serviced to the service will be serviced to the serviced to the service will be serviced to the serviced to the service will be serviced to the serviced t	ADDRESS		C. Comment	000
IN THE PARTY OF TH		DISTRICT		IINTV	The control of the co	
ling Material Used			34/0/	YTKU	7 14	<del>- 620</del>
le? Loes	tion	Amount			and the second	
PLUGG USED AN	D DEPTH PLACED		BRIDGES	Location	NAME OF TAXABLE PARTY.	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	
Application on the Comments of		Carlos menuntus de manuelos calabacios mentes es mengres tendros.	RANDOPH	Jes	0,00	KOHRIA
Jan Argan			0.8	-45-5	ا ا	
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238 W1 7. 37						
re' Names						
rs' Names						
rkar	August respondente la propositional de la constantina del constantina del constantina de la constantin					

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

03/29/2024



## State of Mest Virginia Pepartment of Mines Gil and Gas Pivision Charleston 25305

WALTER N. MILLER DIRECTOR

January 16, 1981

Union Drilling, Inc. P. O. Drawer 40 Buckhannon, WV 26201

Dear Sir:

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:

083-0301 - Harry McMullan Farm - Well No. 2-1554-U - Roaring Creek - Randolph

083-0308 - Mike Ross Farm - Well No. 1-1588-U - Roaring Creek - Randolph

083-0310 - Harry McMullan Farm - Well No. 6-1548-U - Roaring Creek - Randolph

083-0315 - Lucille Tallman Farm - Well No. 2-1525-UC - Roaring Creek - Randolph

097-1956 - Mildred C. Potter - Well No. 1-1534-UC - Washington District - Upshur

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

	FERC-121	RECEIVE	
1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0301	MAY 1 3 1980	
Type of determination being sought:     (Use the codes found on the front of this form.)	103 N/A Section of NGPA Cates	pory & GAS DIVISION	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4971' feet	PEPT. OF MINE	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)		019434 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Roaring Creek District Field Name Randolph County	WV State	
(b) For OCS wells:	Area Name Bloc  Date of Lease:  Mo. Day Yr. OCS Lease	k Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Harry McMullan, Jr. Est.	<del>\$\frac{1}{2} \frac{1}{2} \fra</del>	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Columbia Gas Transmission Corp. 004030  Name Buyer Code		
(b) Date of the contract:	Mo. Day Yr.	· ·	
(c) Estimated annual production:	Not in production yet	MMcf.	
	(a) Base Price (b) Tax (c) All O Prices [li (+) or (-)	ndicate (b) and (c)	
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.221		
8.0 Maximum lawful rate: (As of filing date, Complete to 3 decimal places.)	2 221		
9.0 Person responsible for this application:  Agency Use Only  Date Received by Juris. Agency  MAY 1 3 1980	Joseph C. Pettey Pro	duction Manager	
Date Received by FERC	May 8, 1980 (304) 47  Date Application is Completed Phone N		

FT7900806/2-2

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Use Above File Number on al			4	
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TEM NO.				
-1. FEEC-121	Items not completed	- Lire No.		
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3. IV-2 Well Fermit				
4. W.6 Well Flat	· .			
5. 1%-35 Well Fecord		·	Cosponing <u> </u>	
f. IV-36 Cas-Dil Test:	Cas Chly			
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E. IV-40 90 day Freduct	경기를 가장하는 것이 없는 것은 것은 이번 경기를 받는 것이다.			
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: 25 Color: Survey	°:¿s	Seciogoral Stat	1.5	P 4 GP 1 0 TO TO THE ORIGINAL
Structure : Gas Analys	Map1:4	::::::::::::::::::::::::::::::::::::::	well firstain	. 7.5
(5) Date commenced: 3	125/80 Date Com	: eted 4/1/8	20 corners	
(i) Production Lepth:	2077;353	30		
(5) Production Formation	· Bayard;	Riley		
(5) Final C; on Flow:				
rin Moor Frie. E.P.	710#	•	,	
(6) Other Cas Test:				
(7) Avg. Daily Cis from	Arrual Productions_		NO Pr	od ·
(B) Avg. Paily Cas from	*C-day ending w71 -	III days	11 4	
(E) line Pressure:		one	03/29	0/2024
(5) Oil Production:	No From Completi	on Report		
0-17) Does lease inventory	rifficate enchanced	recovery being der	ne	1/0
0-17) Is afficavit signation				
es cificial well recerd with ditional Information				163 - PL-

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Dat		0 10		19
Ope	rator's	2-1:	554-4	!

API Well 083

#### WELL CLASSIFICATION FORM

#### NEW ONSHORE PRODUCTION WELL

sep. Carrion 103

	DESIGNATED AGENT UNION DRILLING, INC.  ADDRESS P.O. DRAWER 40  BUCKHANNON, W. Va. 26201
WELL OPERATOR UNION DRILLING, INC; P.O. DRAWER 40 BUCKHANNON, W. Ya. 26201	Watershed Middle Fork River Dist Roaring Creek County Randolph Quad. Ellamor
GAS PURCHASEROLUMBIA GAS TRANS. CORP.  ADDRESS ATTN Bill Gallager P.O. Box 498 Washington. Pa. 15301  Date surface orilling was begun: 3/2	Gas Purchase Contract No.  Meter Chart Code  Date of Contract
Indicate the bottom hole pressure of the w 5279 - WEll depth	ell and explain how this was calculated:
1.35 - X.35 1,847 - bottom hole pro	essure

I. Joseph C. Pettey , having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19. 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the within a proration unit, in existence at the time surface drilling began, which was applicable to the within a proration unit, in existence at the time surface drilling began on or after February 19, 1977, and which in commercial quantities or on which surface drilling began on or after February 19, 1977, and which in commercial quantities. I state, further, that I have concluded, to was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought the best of my information, knowledge and belief, that the well for which this determination is sought a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion. Jasp ( fitty)

STATE OF WEST VIRGIRIA.

COUNTY OF Upshur . TO WIT:

1. R. Dennis Xander . a Notary Public in and for the state and county aforesaid,

do certify that Joseph C. Pettey, whose name is signed to the writing above, bearing date

the 8th day of May . 1980, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 8th day of May . 1980.

My term of office expires on the 2nd day of February . 1986.

INOTARIAL SEAL

03/29/2024

ble denne la