## State of West Virginia

# Department of Environmental Protection Office of Oil and Gas

# Well Operator's Report of Well Work

Farm Name:		Lewis, Richard L. II			Date:	11/17/201	
Operator Well No.:		Lewis #1			API#:	47-3906296	
LOCATION	14 P			44	·厚加斯·	1 5	
Elevation:	940		Quadrangle:		Big Chimney		
District:	Elk		County:	•	Kanawha		7.6 (d) - 1.7 (d
Latitude:	38.4142399		NAD 83			<u></u>	<u> </u>
Longitude:	81.5829341		NAD 83				
WELL INFO	RMATION	A STATE	The sheet				
Company:	Reserve Oil	and Gas, Inc.	Casing &	Used in	Left in	Ceme	nt Fill up
Address: 929 Charles Spencer, V		ston Road	Tubing:	Drilling:	Well:	Cu. Ft.	
		V 25276	13 3/8"	21.00	21.00	25.000 (25.000)	cts
Agent:	J. Scott Fre	shwater	9 5/8"	335.70	335.70	ets	
Inspector:	or: Terry Urban		7"	1984.30	1984.30		ets
Date Permit Iss	ued:	6/10/2011	4 1/2"	4619.45	4619.45		5 sks
Date Work Commenced:		8/17/2011				12	3 3R3
Date Work Completed:		9/16/2011					
Verbal Plugging	g:						
Date Permission	Granted:						
Rotary Rig:		CSi Rig #10				77	
Cable Rig:							
Total Vertical Depth (FT):		4650		Total Me	easured Depth (FT):	4650	
Fresh Water De		757		101111111	asarea Depin (1 1).	7020	<u> 1865年 - 1865年 - 1865年</u>
Salt Water Dept	-	1375	<u>:</u>				
Is coal being mi	ned in area (N	NY): No	•		•		
Coal Depths (F	-	N/A	Void(s	s) Encountere	d (N/Y) / Depth(s):	N/A	
OPEN FLOV		in the state of th		<i>y</i> = 1000000	a (10/1) / Depth(3).	11/21	The state of the
Producing Form	ation:	Devonian Shale	Pay Zone Dept	h (FT):	2779	to	4603
Gas			Oil				1005
Initial Open Flo	w:	26	Initial Open Flow:		N/A		
Final Open Flow:		273	Final Open Flow:		N/A		-
Time of open flow between initial and final		nitial and final tests:			4.00	Hours.	-
Static Rock Pressure: 595 PSIG (Surface		Pressure) after:	mana a da di	The second secon	Hours.		
2nd Producing Formation:		Control of the contro	Pay Zone Depth (FT):		<b>4</b> T	to	
Gas		to the state of th	Oil	. (1 1).		ιο	<u></u>
Initial Open Flow:			Initial Open Flow:				
Final Open Flow:			Final Open Flow:				•
Time of open flow between initial		itial and final tests:			Hours.		6296
Static Rock Pres		STANSON, CONTRACTOR STANDS	Pressure) after:		THE RESERVE OF THE PARTY OF THE	Hours.	29
95 95	11-11-7					.10013.	6
Signed:					ווארול זו		
By:	777	J. Scott Freshwater			Date	<u> </u>	
•	I ty of law that I ha	ive personally examined and am fami	liar with the informa	ation submitted of			

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

#### State of West Virginia

#### Department of Environmental Protection

#### Office of Oil and Gas

## Well Operator's Report of Well Work

Continued

Formation:	From	To		Water:			
Sub	0	8	Depth:	Amount:	Type:		
Rock	8	50		soap hole	fresh water		
Sand	50	200		switch to fluid	salt water		
Red Rock	200	225					
Sand and Shale	225	362					
Sand	362	510					
Sand and Shale	510	950					
Salt Sand	950	1610					
Maxton	1610	1646		Gas Checks:			
Little Lime	1646	1680	Depth:	Remarks:			
Big Lime	1685	1855		gas show			
Injun	1855	1893	77				
Shale	1893	4650					
Part of the second seco							
			7				
			Landa de la companya	King Marin and America			
			Oil Shows:				
			Depth:	Depth: Remarks:			
RACTURING	100	Year on the self-clines.					
Perforations:		Sti	mulation:				
Stage 1:		Sta	ige 1:				
Number of Perforations	s: 4	2 Re	marks:				
Depth From (FT):	3		al N2 = 1,002,081 SCF, to	the state of the s			
թերու ությու (Ե.1.)։	4		gallons, total Ferrotrol 30 allon, total GasFlo G 330				
	225	2 4 C C C C C C C C C C C C C C C C C C		= 1 ganon, total C	I=14 = 1·1		
	<u> </u>	1 g					
	<u>12</u>	l g gal	ons, total 7/8 in. 1.3 sp gr	. R ball sealers = 5			
Depth To (FT):	22	l g gall tota	ons, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac bal	. R ball sealers = 5			
Depth To (FT): Stage 2:	<u>-</u>	l g gal tota Sta	ons, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac bal ige 2:	. R ball sealers = 5	5 in 8 stages,		
Depth To (FT): Stage 2: Number of Perforations	 s: <u>3</u>	1 g gall tota Sta 5 Re	ons, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac bal	R ball sealers = 5	5 in 8 stages,		
Depth To (FT):  Stage 2:  Number of Perforations  Depth From (FT):	s: <u>3</u>	1 g gall total Star Star Star T79 Total T746 = 1	ons, total 7/8 in. 1.3 sp gr 1 3 3/4 in. fiberite frac bal 1 3 2: marks: 1 N2 = 1,000,7022 SCF, 1 008 gallons, total Ferrotre	R ball sealers = 5  1 = 1  total 15 % HCL T  ol 300L = 3 gallon	5 in 8 stages,		
Depth To (FT):  Stage 2:  Number of Perforations  Depth From (FT):	s: <u>3</u>	1 g gall total State 5 Re 779 Tot 746 = 1 900	ons, total 7/8 in. 1.3 sp gr al 3 3/4 in. fiberite frac balage 2: marks: al N2 = 1,000,7022 SCF, 008 gallons, total Ferrotro = 1 gallon, total GasFlo	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		
Depth To (FT):  Stage 2:  Number of Perforations  Depth From (FT):	s: <u>3</u>	1 g gall total State 5 Re 779 Tot 746 = 1 900	ons, total 7/8 in. 1.3 sp gr 1 3 3/4 in. fiberite frac bal 1 3 2: marks: 1 N2 = 1,000,7022 SCF, 1 008 gallons, total Ferrotre	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		
Depth To (FT):  Stage 2:  Number of Perforations  Depth From (FT):  Depth To (FT):	s: <u>3</u>	1 g gall total state   1 g gall total   5	ons, total 7/8 in. 1.3 sp gr al 3 3/4 in. fiberite frac balage 2: marks: al N2 = 1,000,7022 SCF, 008 gallons, total Ferrotro = 1 gallon, total GasFlo	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		
Depth To (FT):  Stage 2:  Number of Perforations Depth From (FT):  Depth To (FT):	s: <u>3</u> 2 3 (N/Y): <u>1</u>	1 g gall total Star Star Star Star Star Star Star Star	ons, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac balage 2: marks: al N2 = 1,000,7022 SCF, 008 gallons, total Ferrotro = 1 gallon, total GasFlo 0 gallons, total 7/8 in. 1.3 s	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		
Depth To (FT):  Stage 2:  Number of Perforations  Depth From (FT):  Depth To (FT):  Were Core Samples Taken ( Were Cuttings Caught During	s: 3 2 3 (N/Y): <u>1</u> ng Drilling (N/Y):	1 g gall total state   1 graph   1 g	ions, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac balage 2: marks: al N2 = 1,000,7022 SCF, .008 gallons, total Ferrotro = 1 gallon, total GasFlo 0 gallons, total 7/8 in. 1.3 s	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		
Depth From (FT):  Stage 2:  Number of Perforations Depth From (FT):  Depth To (FT):  Were Core Samples Taken ( Were Cuttings Caught Durin Were Geophysical Logs Rec Electrical (N/Y):	s: 3 2 3 (N/Y): <u>1</u> ng Drilling (N/Y):	1 g gall total state   1 graph   1 g	ions, total 7/8 in. 1.3 sp gr il 3 3/4 in. fiberite frac balage 2: marks: al N2 = 1,000,7022 SCF, .008 gallons, total Ferrotro = 1 gallon, total GasFlo 0 gallons, total 7/8 in. 1.3 s	. R ball sealers = 5 1 = 1  total 15 % HCL T ol 300L = 3 gallon G 330 = 1 gallon, t	reatment Fluid s, total NE- otal CI-14 =		