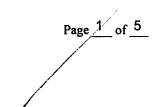
N

WR-35 Rev. 8/23/13

## State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work



Pad Name   New Milton 7.5'   Pad Name   New Oil   Field/Pool Name   Name   New Oil   Pad Name   New Oil   Pad Name   New Oil   Name   New Oil   Name   Name   New Oil   Name	API 47 017 063	47 <sub>County</sub> Doddridg	ge Dist	rict New Miltor	1
Secondary Recovery   Solution Mining   Storage   Other					
Operator (as registered with the OOG) Address 22 Garton Plaza City Weston State WV Zip 26452  As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey Top hole Northing NA Easting NA E	Farm name I. L. Morris				
As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey    Landing Point of Curve   Northing   NA		e OOG) Key Oil Company			
Top hole Landing Point of Curve Bottom Hole Northing N/A Easting N	Address 22 Garton Plaza	City Wes	iton	State WV	Zip 26452
Elevation (ft) 1104' GL Type of Well New   Existing Type of Report   Interim   Final    Permit Type   Deviated   Horizontal   Horizontal   Horizontal   Depth Type   Deep   Shallow    Type of Operation   Convert   Deepen   Drill   Plug Back   Redrilling   Rework   Stimulate    Well Type   Brine Disposal   CBM   Gas   Oil   Secondary Recovery   Solution Mining   Storage   Other    Type of Completion   Single   Multiple   Fluids Produced   Brine   Gas   NGL   Other    Type of Completion   Single   Rotary    Drilling Media   Surface hole   Air   Mud   Fresh Water   Intermediate hole   Air   Mud   Fresh Water   Brine    Production hole   Air   Mud   Fresh Water   Brine    Mud Type(s) and Additive(s)    Date permit issued   09/09/13   Date drilling commenced   10/20/13   Date drilling ceased   11/13/13    Date completion activities began   10/14/13   Date completion activities ceased   11/13/13    Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug    Freshwater depth(s) ft   90'   Open mine(s) (Y/N) depths   N    Salt water depth(s) ft   1500'   Void(s) encountered (Y/N) depths   N    Scoal being mined in area (Y/N)   N	Top hol	e Northing N/A	Easting	N/A	
Permit Type	Bottom Hol	e Northing N/A	Easting	N/A	
Type of Operation   Convert   Deepen   Drill   Plug Back   Redrilling   Rework   Stimulate  Well Type   Brine Disposal   CBM   Gas   Oil   Secondary Recovery   Solution Mining   Storage   Other  Type of Completion   Single   Multiple   Fluids Produced   Brine   Gas   NGL   Oil   Other  Drilled with   Cable   Rotary  Drilling Media   Surface hole   Air   Mud   Fresh Water   Intermediate hole   Air   Mud   Fresh Water   Brine  Production hole   Air   Mud   Fresh Water   Brine  Mud   Type(s) and Additive(s)  Date permit issued   O9/09/13   Date drilling commenced   10/20/13   Date drilling ceased   11/13/13    Verbal plugging (Y/N)   Date permission granted   Granted by  Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  Freshwater depth(s) ft   90'   Open mine(s) (Y/N) depths   N    Salt water depth(s) ft   1500'   Void(s) encountered (Y/N) depths   N    Coal depth(s) ft   N/A   Cavern(s) encountered (Y/N) depths   N    Is coal being mined in area (Y/N)   N	Elevation (ft) 1104'	GL Type of Well	New □ Existing	Type of Report	□Interim ■Final
Well Type	Permit Type   Deviated	□ Horizontal □ Horizont	al 6A 🗂 Vertical	Depth Type	□ Deep ■ Shallow
Type of Completion	Type of Operation □ Convert	□ Deepen ■ Drill □	Plug Back 🗆 Redrilling	g 🗆 Rework	■ Stimulate
Drilled with □ Cable ■ Rotary  Drilling Media Surface hole ■ Air □ Mud □ Fresh Water □ Intermediate hole ■ Air □ Mud □ Fresh Water □ Brine  Production hole ■ Air □ Mud □ Fresh Water □ Brine  Mud Type(s) and Additive(s)  Date permit issued □ 09/09/13 □ Date drilling commenced □ 10/20/13 □ Date drilling ceased □ 10/27/13  Date completion activities began □ 10/14/13 □ Date completion activities ceased □ 11/13/13  Verbal plugging (Y/N) □ Date permission granted □ Granted by  Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  Freshwater depth(s) ft □ 90' □ Open mine(s) (Y/N) depths □ N  Salt water depth(s) ft □ 1500' □ Void(s) encountered (Y/N) depths □ N  Coal depth(s) ft □ N/A □ Cavern(s) encountered (Y/N) depths □ N  Is coal being mined in area (Y/N) □ N	Well Type	□ CBM ■ Gas ■ Oil □ Seco	ondary Recovery	on Mining 🗆 Sto	orage 🗆 Other
Production hole Air Mud Fresh Water Brine  Mud Type(s) and Additive(s)  Date permit issued 09/09/13 Date drilling commenced 10/20/13 Date drilling ceased 10/27/13  Date completion activities began 10/14/13 Date completion activities ceased 11/13/13  Verbal plugging (Y/N) Date permission granted Granted by  Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  Freshwater depth(s) ft 90' Open mine(s) (Y/N) depths N  Salt water depth(s) ft 1500' Void(s) encountered (Y/N) depths N  Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N		-	ed □ Brine ■Gas □	NGL 🖥 Oil	□ Other
Date completion activities began	Production hole ■ Air □ M			BAir □ Mud	□ Fresh Water □ Brine
Verbal plugging (Y/N) Date permission granted Granted by  Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  Freshwater depth(s) ft Open mine(s) (Y/N) depths N  Salt water depth(s) ft 1500' Void(s) encountered (Y/N) depths N  Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N	Date permit issued09/09	9/13 Date drilling comm		_	ccascu
Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug  Freshwater depth(s) ft 90' Open mine(s) (Y/N) depths N  Salt water depth(s) ft 1500' Void(s) encountered (Y/N) depths N  Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N	-				
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Salt water depth(s) ft 1500' Void(s) encountered (Y/N) depths N  Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N	Please note: Operator is require	red to submit a plugging applica	ıtion within 5 days of verba	al permission to p	lug
Salt water depth(s) ft 1500' Void(s) encountered (Y/N) depths N  Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N	Freshwater depth(s) ft	90'	Open mine(s) (Y/N) deptl	hs	N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  Is coal being mined in area (Y/N) N	-	1500'	•	-	N
Is coal being mined in area (Y/N)N	-			• •	
		N)N	<u></u>	-	Reviewed by:

WR-35 Rev. 8/23/13 Farm name\_I. L. Morris Well number\_T. Maxwell #15 API 47- 017 06347 **CASING** Hole Casing New or Grade Basket Did cement circulate (Y/N) **STRINGS** Used wt/ft Size Size Depth Depth(s) \* Provide details below\* Conductor 20" 13-3/8" 38' **NEW** J-55 N/A Surface Coal N/A Intermediate I 12-1/4" 9-5/8" 210' **NEW** J-55 110' 90 SKS. CTS (Y) Intermediate 2 8-3/4" 7" 1267' **NEW** 1100' AND 100' J-55 170 SKS. CTS (Y) Intermediate 3 Production 6-1/2" 4-1/2" 2713' NEW J-55 150 SKS. CBL POZ (N) Tubing Ν ETOC 1000' Packer type and depth set Comment Details Number Yield Volume WOC CEMENT Class/Type Slurry Cement of Cement ft 3/sks)  $(ft^{\frac{1}{2}})$ of Sacks Top (MD) (hrs) DATA wt (ppg) Conductor N/A N/A N/A N/A N/A N/A Surface Coal Intermediate 1 **CTS CLASS A** 90 15.6 1.13 8 hrs. Intermediate 2 1.23 8 hrs. **CLASS A** 170 15.6 **CTS** Intermediate 3 Production ETOC 1000' **CBL POZ** 150 13.5 1.53 Tubing Loggers TD (ft) 2739' Drillers TD (ft) 2752' Deepest formation penetrated GORDON 2510' Plug back to (ft) \_\_ Plug back procedure \_\_\_ Kick off depth (ft) N/A Check all wireline logs run **■** caliper ■ density □ deviated/directional **■** induction **■** neutron **■** resistivity 🖪 gamma ray **■** temperature □sonic Were cuttings collected □ Yes ■ No Well cored □ Yes ■ No Conventional Sidewall DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING DETAILS PERFS H.SC. WAS WELL COMPLETED AS SHOT HOLE ■ Yes □ No PERFS HSC □ Yes 🖪 No DETAILS WAS WELL COMPLETED OPEN HOLE?

TYPE OF TRACER(S) USED \_\_\_\_\_

WERE TRACERS USED □ Yes ■ No

API 47- 017 \_ 06347 Farm name I. L. Morris Well number T. Maxwell #15

## PERFORATION RECORD

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
1	11/05/13	2280	2654	25	GANTZ/GORDON
2	11/13/13	2074	2140	20	WEIR
3	11/13/13	1874	1916	20	INJUN
4	11/13/13	1764	1774	20	BLUE MONDAY
5	11/13/13	1530	1542	20	SALT SAND

Please insert additional pages as applicable.

## STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	11/13/13	25	2477	1909	2200	21,000	136	214,000
2	11/13/13	27	2830	3425	2500	20,200	132	215,000
3	11/13/13	27	2890	2050	2410	20,000	168	255,000
4	11/13/13	19	3330	3500	2790	10,000	111	204,000
5	11/13/13	22	3070	2929	1680	10,000	137	157,000
				1				
				<u> </u>				
						5.2		

Please insert additional pages as applicable.

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SHUT-IN PRESSURE   Surface   1680   psi   Bottom   Hole   2480   psi   DURATION OF TEST   72   hrs	API 47- 017	_ 06347		_ Farm	name I. L.	Mor	ris		Well r	number_	T. Ma	xwell #15
Second Component   Second Comp	PRODUCING	FORMATIO	N(S)		DEPTHS							
NUM					45.52		TVD		MD			
NUN					-		_1 1 0					
Please insert additional pages as applicable.  GAS TEST				-					_			
TOP	BLUE MONDA	Y		_	1769							
GAS TEST Duild up Drawdown Dopen Flow OIL TEST Flow Dump  SHUT-IN PRESSURE Surface 1680 psi Bottom Hole 2480 psi DURATION OF TEST 72 hrs  OPEN FLOW Gas Oil NGL Water GAS MEASURED BY 712 mefpd 2 bpd 0 bpd 0 bpd 0 Estimated Orifice Pilot  LITHOLOGY/ TOP BOTTOM TOP BOTTOM TOP BOTTOM NAME TVD TVD MD MD TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H; S, ET 100 psi 1503 SALT WATER 1500 1503 SAND, OIL AND GAS WEIR 2100 22074 2210 SAND, OIL AND GAS GANTZ 2280 2380 2284 SAND, OIL AND GAS GANTZ 2280 2380 2284 SAND, SHALE, AND GAS GORDON 2500 2486 2510 SAND, SHALE, AND GAS GORDON 2500 2486 2510 SAND, SHALE, OIL, AND GAS CORDON CONTROL AND GAS SAND SHALE, OIL, AND GAS GORDON 2500 2486 2510 SAND, SHALE, OIL, AND GAS SAND SHALE, OIL GAS, H; S, ET 2400 SAND, SHALE, OIL GAS SAND SHALE, AND GAS GORDON 2500 2486 2510 SAND, SHALE, OIL, AND GAS SAND SHALE, OIL GAS SAND	Please insert ac	lditional page	es as ap	– plicable.								
SHUT-IN PRESSURE Surface 1680 psi Bottom Hole 2480 psi DURATION OF TEST 72 hrs OPEN FLOW Gas 712 meripd 2 bpd 0 bpd 0 bpd □ Estimated ● Orifice □ Pilot  LITHOLOGY/ TOP BOTTOM TOP BOTTOM FORMATION DEPTH IN FT D					Open F	low	0	II TEST A	Flow =	Pump		
OPEN FLOW    Gas												
TOP	SHUT-IN PRE	SSURE S	urface	1680	psi	3otto	m Hole 2480	psi	DURAT	TION O	FTES	T 72 hrs
DEPTH IN FT	OPEN FLOW	Gas 712 r	ncfpd	Oil 2	bpd 0	GL	bpd 0	Vater bpd	GAS M	MEASU nated	RED E	BY fice □ Pilot
H20		DEPTH IN F	T DE	EPTH IN FI	DEPTH IN	I FT	DEPTH IN FT					
SALT WATER												
BIG LIME	H20	90			93					F	RESH	
INJUN	SALT WATER	1500									2000	R
WEIR         2100         2074         2210         SAND, SHALE, AND GAS           GANTZ         2280         2380         2284         SAND AND GAS           GORDON         2500         2486         2510         SAND, SHALE, OIL, AND GAS           Please insert additional pages as applicable.           Drilling Contractor NEXUS DRILLING CORP           Address INDUSTRIAL PARK         City         JANE LEW         State         WV         Zip         26378           Logging Company         WEATHERFORD INTERNATIONAL         Address         603 U S HIGHWAY 19 N         City         WESTON         State         WV         Zip         26452           Cementing Company         UNIVERSAL WELL SERVICE           Address         5 HALL RUN ROAD         City         BUCKHANNON         State         WV         Zip         26201           Stimulating Company         UNIVERSAL           Address         5 HALL RUN ROAD         City         BUCKHANNON         State         WV         Zip         26201           Please insert additional pages as applicable.											111111111111111111111111111111111111111	
GANTZ 2280 2380 2284 SAND AND GAS GORDON 2500 2486 2510 SAND, SHALE, OIL, AND GAS  Please insert additional pages as applicable.  Prilling Contractor NEXUS DRILLING CORP  Address INDUSTRIAL PARK City JANE LEW State WV Zip 26378  Logging Company WEATHERFORD INTERNATIONAL  Address 603 U S HIGHWAY 19 N City WESTON State WV Zip 26452  Cementing Company UNIVERSAL WELL SERVICE  Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201  Stimulating Company UNIVERSAL  Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201  Please insert additional pages as applicable.												
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Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201 Please insert additional pages as applicable.	Cementing Co Address 5 HAL	mpany UNIVI L RUN ROAD	ERSAL	WELL SE		City	BUCKHANNO	ON	State	WV	Zip	26201
Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201  Please insert additional pages as applicable.	Stimulating Co	ompany UNI	IVERSA	AL.								
Please insert additional pages as applicable.	Address 5 HAL	L RUN ROAD				City	BUCKHANN	NC	State	WV	Zip	26201
Completed by JAN CHAPMAN Telephone (304) 269-7102		A CALL OF THE PARTY OF THE PART	es as ap	plicable.						ſ		11
receptions (	Completed by	JAN CHAPN	MAN	7				Telephon	(304) 26	9-7102		
Signature Title PRESIDENT Date 01/13/14		tan	2	Dma	7 Tit	le Pi	RESIDENT	relephon		Date 0	1/13/14	24
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API: 47-017-06347 Farm Name: I.L. Morris Well number: T. Maxwell #15

ADDITIONAL PAGE FOR PRODUCING FORMATIONS

PRODUCING FORMATIONS DEPTHS

Salt Sand 1536 TVD MD