WR-35 Rev. 8/23/13 Well Plugged from Drilling Rig

Harmon #2

Page _ of _

State of West Virginia
ron pental Protection - Office of Oil and Gas ator's Report of Well Work

API 47-039-06377 County Kanawha District South Charleston							
Quad Charleston West Pad Name Harmon Field/Pool Name N/A							
Farm name The Courtland Company Well Number #2							
Operator (as registered with the OOG) Reserve Oil and Gas Inc							
Address 929 Charleston Road City Spencer State WV Zip Zip	5276						
As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey Top hole Northing 494,974 NAD 83 Landing Point of Curve Northing 424,5684 UTM NAD 83 Bottom Hole Northing Easting 0438015 UTM NAD 83 Easting Easting							
Elevation (ft) GL Type of Well New _ Existing Type of Report _ Interim _ Existing	Éinal						
Permit Type Deviated Horizontal Horizontal 6A Vertical 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 □ Othe	r						
Type of Completion	4						
Drilling Media Surface hole □ Air □ Mud □ Fresh Water Intermediate hole □ Air □ Mud □ Fresh Water	ter Rrine						
Production hole	.ci 🗆 Billie						
Mud Type(s) and Additive(s)							
·							
Date permit issued 1/23/2015 Date drilling commenced 1/21/2016 Date drilling ceased	e						
Date completion activities began Date completion activities ceased	-						
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 within 5 days of ve	₹S						
Freshwater depth(s) ft Open mine(s) (Y/N) depthsOffice of 1911 and G	as						
Salt water depth(s) ft Void(s) encountered (Y/N), depths Depart 2016							
Coal depth(s) ft Cavern(s) encountered (Y/N) depths 1915/1919 Cavern(s)							
Is coal being mined in area (Y/N) Environmental Protection	in İgn						

WR-35

WERE TRACERS USED ☐ Yes ☐ No

The Couttral Company

Rev. 8/23/13 Well number Harmon #2 Farm name Market, Garcie API 47-039 - 06379 Did cement circulate (Y/N) CASING Hole Casing New or Grade Basket * Provide details below* Depth wt/ft Depth(s) **STRINGS** Size Size Used Conductor 24" 201 Surface 50 -Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Packer type and depth set pipes - plugged well, conductors Comment Details Class/Type CEMENT Number Slurry Yield Volume Cement WOC $(ft^{\frac{3}{2}})$ DATA of Cement of Sacks wt (ppg) (ft 3/sks) Top (MD) (hrs) Conductor Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Drillers TD (ft) Loggers TD (ft) Deepest formation penetrated Plug back to (ft) Plug back procedure Kick off depth (ft) Check all wireline logs run □ caliper □ density □ deviated/directional □ induction □ neutron □ resistivity □ gamma ray □ temperature □sonic Well cored □ Yes □ No Conventional Sidewall Were cuttings collected □ Yes □ No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING WAS WELL COMPLETED AS SHOT HOLE DETAILS □ Yes □ No WAS WELL COMPLETED OPEN HOLE? □ Yes □ No **DETAILS**

TYPE OF TRACER(S) USED

WR-35 Rev. 8/23/13

The Courthnol Company

API 47- 039 - 06379

Farm name Market Carrie

Well number Harmon # 1

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	NIA				
	(

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)
1.0.		rate (Briti)	Tressure (101)	Tressure (151)	1511 (151)	Troppant (103)	Water (6613)	Tritrogen/odier (units
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icusc	moert additio	nai pages as ap	pricable.				- rital F	Totection

WR-35			The	Court	10 6			Page 4 of 4
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API 47- 007	- 003/4	rarm	name_//	To allow		well number	/ MI VISUY	7 17
PRODUCING	FORMATION(<u>S)</u>	DEPTHS					
				_ TVD _		MD		
NA								
Please insert ac	lditional pages a	s applicable.						
GAS TEST	□ Build up □	Drawdown	□ Open Flow	O	IL TEST 🗆	Flow 🗆 Pump		
SHUT-IN PRE	SSURE Surf	ace	psi Botto	m Hole	psi	DURATION C	F TEST	hrs
OPEN FLOW	Gas	Oil	 NGL	V		GAS MEASU		
			bpd	_ bpd	bpd	□ Estimated	□ Orifice	□ Pilot
L FEHOLOGY/	TOR	DOTTOM	TOP	POTTOM				
LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE	ROCK TYPE AND	RECORD QUA	NTITYAND
	NAME TVD	TVD	MD	MD	TYPE OF FI	LUID (FRESHWAT	ER, BRINE, OII	L, GAS, H ₂ S, ETC)
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MIA								
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Please insert ad	lditional pages a	s applicable.						
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	Charleston 7					State WV		
Logging Comp	any		Cit	-		State	7:-	
Address			City			State	Zıp	
Cementing Cor	npany		City			State	PECEIV	/FD
Address			City			_State Offic	e of Oil a	and Gae
Stimulating Co	mpany		City			State	APAINI 1 0	040
Completed by	Dave	Self			Telephone	304 Mg	327-1-8	8797
Signature	an Ilal	R	Title 1	001 pus	sher	Date	4-5-20	76000
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