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

API <u>47</u> 087 04775	County ROA	NE	District SMITHFI	ELD	
Quad LOONEYVILLE 7.5'	Pad Name M	CGRAW, CHARLES	Field/Pool Name		
Farm name FISCHER, RICHARD &	Well Number 206				
Operator (as registered with the OOG)		LLC	_		
Address 5260 DuPONT ROAD		PARKERSBURG	State WV	Zip 26101	
As Drilled location NAD 83/UTM Top hole N	Attach an as-d lorthing 4,285,138 i	rilled plat, profile view, a	nd deviation survey asting 475,569 M		
	orthing		<u> </u>		
	orthing				
Elevation (ft) 1,111' GL	Type of We	ell New 🗆 Existing	Type of Repor	rt □Interim ĒFinal	
Permit Type   Deviated   Ho	rizontal 🗆 Hori	izontal 6A   Vertical	Depth Type	□ Deep ■ Shallow	
Type of Operation □ Convert □ De	epen 🛮 B Drill	□ Plug Back □ Red	rilling 🗆 Rework	□ Stimulate	
Well Type □ Brine Disposal □ CBM	□ Gas	Secondary Recovery	Solution Mining 🗆 S	Storage	
Type of Completion ■ Single □ Mult  Drilled with □ Cable ■ Rotary	iple Fluids Pr	oduced □ Brine □Gas	s □ NGL ■ Oil	□ Other	
Drilling Media Surface hole Air Production hole Air Mud  Mud Type(s) and Additive(s)			ehole BlAir □ Mu	nd B Fresh Water □ Brine	
N/A				<del></del>	
Date permit issued 4/7/15	Date drilling co	ommenced5/22/15	Date drilling	ceased 5/28/15	
Date completion activities began	6/24/15	Date completion ac	tivities ceased	6/30/15	
Verbal plugging (Y/N) N D	ate permission gra	nted	Granted by		
Please note: Operator is required to sub	mit a plugging app	olication within 5 days of	verbal permission to	plug	
resirrator depth(s) it	lone	_ Open mine(s) (Y/N)	depths	None None None None None None None None	
ban water depth(3) it	00'	_ Void(s) encountered	(Y/N) depths	Note Oil & Gas	
Coal depth(s) ft Nor	ie	_ Cavern(s) encountered	ed (Y/N) depths	OHINGUA,	
Is coal being mined in area (Y/N)	N	<del></del>		AUG 0 3 ZUIS	
				Reviewed by:	

WR-35 Rev. 8/23/13

API 47-087	7 _ 04775 Farm name_FISCHER, RICHARD & RONALD Well number_ 206								
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket :pth(s)	Did cement circulate (Y/N) * Provide details below*	
Conductor	12 1/4"	11 5/8"	30'	Used	L	.s		Sand In	
Surface	8 3/4"	7"	507'	New	ı	.s	64'	Υ	
Coal					<del> </del>				
Intermediate 1									
Intermediate 2					<u> </u>				
Intermediate 3				! 					
Production	6 1/4*	4 1/2"	2291.1'	New	.1.	55		Y	
Tubing				1.0	<u> </u>	-		<u> </u>	
Packer type and de	epth set	,, <u>.</u>		<u> </u>	I	<del></del>	1		
Comment Details	Circulated Est. 50	sks to surface on 7" surf	ace cement job. Circu	ulated Est. 25 sk	s to surface on	4 1/2" cement job			
CEMENT	Class/Type	Number	r Slurry	v	rield	Volume	Cement	WOC	
DATA	of Cement	of Sack			³/sks)	(A <sup>3</sup> )	Top (MD		
Conductor	l l								
Surface	Reg Neat	130	15.6		1.18	153	Surface	8	
Coal									
Intermediate 1									
Intermediate 2									
Intermediate 3						, , , , , , , , , , , , , , , , , , ,			
Production	50:50 Pozmi	x 85/125	13.2/14	1.2 1.6	4/1.27	139/186	46'	8	
Tubing									
Drillers TD (ft) Deepest format Plug back prod	tion penetrated cedure N/A	Big Injun		Loggers T Plug back	- ,				
Kick off depth Check all wirel		■ caliper ■ neutron	₫ density  density		ed/directio 1 ray			□sonic	
Well cored $\Box$	Yes A No	Conventio	nal Sidev	vall	We	re cuttings co	ollected E Y	es 🗆 No	
DESCRIBE TH	IE CENTRAL	IZER PLACEME	NT USED FO	R EACH CA	ASING ST	RING			
WAS WELL C	OMPLETED A	AS SHOT HOLE		No DE	TAILS _			Received	
WAS WELL C	OMPLETED (	OPEN HOLE?		DETA	AILS		Offi	Received ce of Oil & Gas	
	•				·			AUG 0 3 2015	
WERE TRACE	RS USED 🗖	Yes & No	TYPE OF TR	RACER(S) U	JSED		······		

API 47- 087 - 04775 Farm name FISCHER, RICHARD & RONALD Well number 206

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	6/24/15	2136'	2146'	40	Big Injun
	- <u>-</u>				
	-				

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	6/30/15	5	402	1321	274	2,500	146	
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		1	-					
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<u></u>						ļ	Offic	2 0015
L							<u></u>	teceived Of Oil & Gas UG 0 3 2015

Please insert additional pages as applicable.

Title Operations Manager

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Completed by Reger Heldman

Signature

Attach copy of FRACFOCUS Registry

87-04775 Prepared for: Prepared by: H G Energy. **Producers Service Corp** Daniel L Graham **Dustin Hendershot** 109 S. Graham St. 304-481-7342 SERVICE CORP. Zanesville, OH 43702 740-454-6253 INVOICE #: 18539 WELL NAME: Mcgraw 206 Roane/WV COUNTY/STATE: TOWNSHIP/FIELD: Clover Field DATE of SERVICE: 6/30/2015 **CUSTOMER PO#:** Description Notes Amount Units **Unit Cost Total Cost** FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS EA BLENDER CHARGE 0-10 BPM 1 EA MILEAGE CHARGE PER UNIT ONE WAY 2 Units @150Miles MI 250 IC ACID 15% GAL PRO HIB II 0.5 GAL **ACID DELIVERY** 2 HR PRO CLA LOK (KCL SUBSTITUTE) 15 GAL PRO NE-21 5 GAL PRO GEL 4 150 LB **BUFFER I** 50 LB BUFFER II 50 LB **BIO CLEAR 750** 1 LB AP BREAKER 15 LB BXL-A 10 GAL BXL-10C 10 GAL SAND 20/40 OTTAWA 25 CWT SAND DELIVERY / TON MILES 100 TMILE DATA VAN 1 STAGE

Customer Approval:

Office of Oil & Gas AUG 0 3 2015