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

well Operat	or's Report of Well V	Vork	fice of Oil and						
		O	DEC 2 0 2023						
10			DEC						
045			WV Department of which the second with the second s						
API 47 - 015 - 03510 County Clay		District Henry	WV Department of Environmental Protection						
Quad Elkhurst 7.5" Pad Name Brow	Field/Pool Name	Enviro							
Farm name Brown, Goshorn, Swann		_ Well Number _C	2-2H WV0488						
Operator (as registered with the OOG) Mountain V Oil ar	nd Gas Inc								
The second section of the second section is a second section of the second section of the second section is a second section of the section	ckhannon	State WV	Zip 26201						
<u> </u>									
	ed plat, profile view, an	nd deviation survey							
Top hole Northing 4260073.48		sting 485108.39							
Landing Point of Curve Northing 4259819.5		sting 485171.9							
Bottom Hole Northing 4259089.7	Eas	sting 486148.1							
Elevation (ft) 1246 GL Type of Well	■New □ Existing	Type of Repo	ort □Interim ■Final						
Permit Type Deviated Horizontal Horizontal	ntal 6A 🗆 Vertical	Depth Type	□ Deep ■ Shallow						
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Redr	illing □ Reworl	-						
Well Type □ Brine Disposal □ CBM ■ Gas ■ Oil □ Se	condary Recovery	olution Mining	Storage Other						
Type of Completion □ Single ■ Multiple Fluids Produ	uced □ Brine ■Gas	□ NGL ■ Oil	□ Other						
Drilled with □ Cable ■ Rotary									
2 Calculy									
Drilling Media Surface hole ■ Air □ Mud □ Fresh Wa	ater Intermediate	hole □ Air □ M	ud 🗆 Fresh Water 📱 Brine						
Production hole □ Air □ Mud □ Fresh Water ■ Brin		noic arm any	dd lifesh water E Dille						
Mud Type(s) and Additive(s)	C								
PHPA aka Drill A or EZ Mud									
THE ACID THE ACID TO THE ACID TO THE ACID THE AC	Water Committee of the								
Date permit issued 2/06/2023 Date drilling comp	menced 3/23/2023		g ceased 4/29/2023						
Date drining com	incheed	Date dillill	g ccascu						
Date completion activities began5/25/2023									
Verbal plugging (Y/N) Date permission grante	d	Granted by							
Please note: Operator is required to submit a plugging applic	ation within 5 days of v	erbal permission to	plug						
		_							
Freshwater depth(s) ft none reported	Open mine(s) (Y/N) d	lenths	na						
Salt water depth(s) ft 1310'	Void(s) encountered (7							
Coal depth(s) ft none reported									
	Cavern(s) encountered	u (Y/N) depths	- IIu						
Is coal being mined in area (Y/N)no									

API 47- 015	_ 03510	Farm nar	ne_Brown,Go	shorn,Sw	ann	We	ll number C-	2H WV0488	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)	Did cement circulate (Y/ N * Provide details below*	
Conductor	20.0	13.375	36	X		6#	none	Yes	
Surface	12.25	9.625	697	Х		6#	60'	Yes	
Coal					_			163	
Intermediate 1	8.75	7.0	2165	Х	1	9#	none	Yes	
Intermediate 2							HOHE	165	
Intermediate 3									
Production	6.25	4.5	4380	X	10.5#	& 11.6#	none	Yes	
Tubing					10.5# (Q 11.0#	none	res	
Packer type and de	pth set								
Comment Details									
CEMENT	Class/Type	Number	Slurry	Y	ield	Volume	Ceme	ent WOC	
DATA Conductor	of Cement	of Sacks	wt (ppg)		³/sks)	(ft 3)	Top (M		
Surface	Ready Mix	5 yrds	na		na	na	surfa	ice na	
Coal	Class A	250 sks	15.6	1	.13	112	surfa	ice 8 hrs	
Intermediate 1									
Intermediate 2	Class A	400 sks	15.6	1	.13	293	surfa	ce 10 hrs	
Intermediate 3							1		
Production								11.0	
Tubing	Class A	345 sks	14.1	1	.23	737	surfa	ice na	
Tuomb									
Drillers TD (ft)	4443			Loggers TI) (ft) na		RECEIVED	Ga5	
Deepest formati		lig Injun		Plug back t			ne dani	200	
Plug back proce	edure							2013	
							DE.	No.	
Kick off depth (ft)_1247'						MY LIBYAL	I Protection	
Kick off depth (ft) 1247 Check all wireline logs run caliper density deviated/directional induction temperature sonic									
Well cored 🗆 🗅	Well cored □ Yes ■ No Conventional Sidewall Were cuttings collected ■ Yes □ No								
DESCRIBE THE 9.625" casing centralizers: R	E CENTRALIZ	ER PLACEMEN						105 100	
7" casing centralizers: R	an bow-spring centralize	ers on jts: 1,2,3,4,5,6,8,10,1							
4.5" casing centralizers:	Ran 43 rigid spiral cent	ralizers, one on every third	joint to 700'						
WAS WELL CO	MPI ETED AS	SHOT HOLE	□ Yes ▮ N	- DE					
	- THE TED TIC	SHOT HOLE	□ 1 c2 = 1	O DE	TAILS _				
WAS WELL CO	MPLETED OF	EN HOLE?	Yes 🖪 No	DETA	ILS				
WERE TRACES	RS USED 🗆 Y	es 🖪 No	ГҮРЕ OF TRA	CER(S) U	SED				

API 47- 015 _ 03510

Farm name_Brown,Goshorn,Swann

__Well number_C-2H WV0488

PERFORATION RECORD

Stage		Perforated from	Perforated to	Number of	
No.	Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
1	5/25/2023	4355	4295	30	Big Injun
2	5/26/2023	4265	4195	30	Big Injun
3	5/26/2023	4165	4095	30	Big Injun
4	5/26/2023	4065	3945	30	Big Injun
5	5/26/2023	3915	3795	30	Big Injun
6	5/30/2023	3765	3645	30	Big Injun
7	5/30/2023	3615	3495	30	Big Injun
8	5/30/2023	3465	3345	30	Big Injun
9	5/30/2023	3315	3195	30	Big Injun
10	5/30/2023	3165	3050	30	Big Injun
11	5/30/2023	2996	2895	30	Big Injun
12	5/30/2023	2865	2745	30	Big Injun
13	5/30/2023	2715	2595	30	Big Injun
14	5/30/2023	2565	2445	30	Big Injun
15					
16					

Please insert additional pages as applicable.

Office DEC 2 0 2023 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	5/25/202	55	2663	1401	1262	25100	875	0
_ 2	5/26/202	61	3052	1701	1097	25100	853	0
3	5/26/202	66	2931	2777	1025	25700	883	0
4	5/26/202	58	2860	1150	1085	24900	868	0
5	5/26/202	57	3122	2719	1118	25200	824	0
6	5/30/202	64	2915	2342	914	25200	845	0
7	5/30/202	70	3324	2924	750	25100	825	0
8	5/30/202	66	2916	3089	930	25100	816	0
9	5/30/202	65	2749	3289	671	25400	866	0
10	5/30/202	60	3082	2059	724	25100	825	0
11	5/30/202	66	2582	3432	725	25200	745	0
12	5/30/202	71	2675	2720	701	25100	755	0
13	5/30/202	70	3283	3247	804	25300	742	0
14	5/30/202	66	3048	2881	567	25500	752	0
15								
16								

Please insert additional pages as applicable.

API 47- 015	03510	Farm	name Brown,	Goshorn,Sw	rann We	ll numbe	_{r_} C-2H WV0488		
PRODUCING	FORMATION(<u>S)</u>	DEPTHS						
BIG INJUN			2113-2099	TVD 24	445-4355 м	D			
-			2110 2000	TVD	445-4355 M	D			
-		-							
		-		-					
Please insert ac	dditional pages a	s applicable.							
GAS TEST	□ Build up □	Drawdown	■ Open Flow	O	IL TEST Flow	□ Pump)		
SHUT-IN PRE	SSURE Surf	ace 185	_psi Botto	om Hole	psi DUR	ATION (OF TEST 48 hrs		
OPEN FLOW	Gas	Oil	NGL		₽ 000 = 0.00		JRED BY		
	test mcf	pd test 1	bpd 0		UZIO		■ Orifice □ Pilot		
LITHOLOGY/	TOP	ВОТТОМ	TOP	DOTTO A					
FORMATION	DEPTH IN FT	DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE BOOK T	VDE AND	DECORD OLIVINITY AND		
	NAME TVD	TVD	MD	MD			RECORD QUANTITYAND TER, BRINE, OIL, GAS, H ₂ S, ETC)		
sand,shale	0	302	0	302	TILD OF TECHN (FF		ream @ 1310'		
sand,shale,RR	302	1362	302	1362	intermittent gas and oil shows from 2326 to TD				
Salt Sand	1362	1930	1362	2084					
Little Lime	1930	1952	2084	2108					
Pencil Cave	1952	1986	2108	2130					
Big Lime	1986	2092	2130	2350			es.		
Big Injun	2092		2350	4443		COT COL	0003		
					(shice of c	11 CT		
						p=C	2 0 2023		
						L.	2		
							projection		
						Environmental Protection			
			The second second			lett			
Please insert ad	ditional pages as	applicable.							
Drilling Contract Address PO box	2159	ming	G':	Clintuood		1/4	0.4000		
Address - o box	2100		City	Clintwood	State	. VA	Zip 24228		
Logging Compa	ny Schlumberge	er							
Address 95 Ruth	erford Run		City	Bradford	State	PA	Zip 16701		
Cementing Com	Liahtnina l	Energy Sentico	5				-		
Address 104 Heli		Lifergy Services		Pridannort			00000		
Address	porrioda		City	Bridgeport	State	WV	Zip 26330		
Stimulating Con	npany Reliance	Well Services							
540.0 1 / /2 2 4 2 2 2							Zip 16507		
Please insert add	litional pages as	applicable.							
Completed by	Mike Shave				TC 1 1 204 04	2 6220			
Signature Signature			Title Pro	esident	Telephone 304 842-6320				
1/1/4	1/1/	e.v	11116 111			Date _			
Submittal of Hy	draulic Fracturir	ng Chemical D	isclosure Infor	mation At	tach copy of FRAC	FOCUS	Registry		