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

API <u>47</u> . 15 <u>02889</u>	County CLAY		District UNION	
Quad ELKHURST 7.5'	Pad Name			
Farm name ROBERT TAYLOR			Well Number KIN	
Operator (as registered with the OC	OG) RAVEN RIDGE	ENERGY, LLC		
Address 3230 PENNSYLVANIA			State WV	Zip 25302
As Drilled location NAD 83/UT	Northing N/A		ing N/A	
Landing Point of Curve	Northing N/A		ng N/A	
Bottom Hole	Northing N/A	Easti	ng N/A	
Elevation (ft) 1,274' GI	Type of Well	■New □ Existing	Type of Report	□Interim
Permit Type Deviated	Horizontal Horizon	ntal 6A 🚪 Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert 1	⊐ Deepen ■ Drill (⊃ Plug Back □ Redril	ling 🗆 Rework	■ Stimulate
Well Type 🗆 Brine Disposal 🗆 C	BM ■ Gas ■ Oil □ Se	condary Recovery So	lution Mining 🗆 St	orage □ Other
Type of Completion ☐ Single ■ N				
Drilled with Drable Rotary	_	aced a billic agas	□ NGL ■ Oil	Other
				,ad
Drilling Media Surface hole 🛢 .	Air □ Mud □Fresh Wa	ater Intermediate h	.Rapan	Fresh Water Brine
Production hole Air	□ Fresh Water □ Brin			
Mud Type(s) and Additive(s) SOAP			JUN 3 0 2	2014
			Office of Oil and	d Gas
		₩	V Dept. of Environme	otal Profection
Date permit issued6/26/2013	Date drilling com	menced 10/31/2013	Date drilling	ceased _ 11/4/2013
Date completion activities began	12/19/2013	_ Date completion activ	_	
Verbal plugging (Y/N) N	Date permission grante	d N/A		A 4 4 A
Please note: Operator is required to	submit a plugging applic	ation within 5 days of ve	rbal permission to p	olug
Freshwater depth(s) ft	200'	Open mine(s) (Y/N) de	pths	N
Salt water depth(s) ft11	50' - 1650'	Void(s) encountered (Y	//N) depths	N
Coal depth(s) ft NONE (OF RECORD	Cavern(s) encountered	(Y/N) depths	N
s coal being mined in area (Y/N)			· · <u></u>	
· ·	· 			Reviewed by:

API 47- 15	02889	Farm na	ame_ROBERT	TAYLOR		We	ll number_KI	NG #13	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket		ent circulate (Y/N)
Conductor	14 1/4*	13 3/8"	30, <u>Debui</u>	NEW	1	- 42 LB\$	Depth(s) NONE		de details below*
Surface	12 1/4"	9 5/8"	377'	NEW	† 	- 29 LBS	120'		
Coal	10.11	0 0.0		14674	0-33	- 29 LD3	120		YES
Intermediate 1	8 3/4"	7*	1967'	NEW	155	- 17LBS	2051		
Intermediate 2		<u>_</u>	1307	14544	3-55	- 1/LBS	335'	+	YES
Intermediate 3					 			+	
Production	6 1/4"	4 1/2"	2318'	NEW	1.55	10.5 LBS	NONE	+	
Tubing	0 114	7 1/2	2310	IACAA	7-35 -	10.5 LBS	NONE		N/A
Packer type and de	epth set			_			- .		
Comment Details									
CEMENT DATA	Class/Type of Cement	Number of Sack			rield 1 ³/sks)	Volume	Cem Top (1		WOC
Conductor	CLASS I	10 - RK		<u>" </u>	73237	<u> </u>	GROUND		(hrs) 8
Surface	CLASS I	130	15.6		1.18	153.4	GROUNE		
Coal									
Intermediate 1	CLASS I	280	14.5		1.36	380.8	GROUNE	LEVEL	8
Intermediate 2				- -					
Intermediate 3				<u> </u>	_				
Production	CLASS I	50	15.6	<u> </u>	I.18	59	175	50'	8
Tubing			<u> </u>	_					<u>-</u>
-	2362 tion penetrated cedure			Loggers T Plug back					
Kick off depth Check all wirel		a caliper	density	□ deviate	ed/directi a ray		nduction temperature	□sonic	
	Yes A No					ere cutting	s collected	⊃Yes ■	No
OF THE 4 1/2" CASING	HE CENTRALI	ZER PLACEME	ENT USED FOR	R EACH CA	ASING ST	TRING <u>ce</u>	NTRALIZERS PLA	CED ON JOI	NTS 1,3,6,9 AND 12
·							Rec	eiv	ed
WAS WELL C	OMPLETED A	S SHOT HOLE	□ Yes ■ 1	No DE	TAILS		JUN	3.0 00	14
WAS WELL C	OMPLETED O	PEN HOLE?	□ Yes ■ No	DETA	AILS _		Office		
WERE TRACE	ERS USED 🗆	Yes A No	TYPE OF TR	ACER(S) U	JSED _	٧	W Dept. of Env	f Oil and G rironmenta	

Kev. 8/23/13 MK-32

HOBERT TAYLOR Well number KING #13

API 47- 15 . 02889 Farm name ROBERT TAYLOR

PERFORATION RECORD

				<u> </u>	
				i	
				1	
					
					+-
			<u> </u>	<u> </u>	1
					
MAUDS	15	2165	2123.	12/18/13	3
NULNI	3	2139	2133.	12/18/13	2
NULNI	9	2123.	2111.	12/18/13	1
Formation(s)	Perforations	MDV	WD &	Perforation date	Stage No.
	Number of	Perforated to	Perforated from		೨ಶ೮೪

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

ental Protection	L of Environm	MA Det	=			T		
Be9 br	a liO to epillO							
tlo.	0 E NOC							
PON	999	40.						
					-			
O (COURT) MUNICIPALITY	767	20,000	1848	2400	11200	32	12/19/13	l
Nitrogen/other (units)	Amount of Water (bbls)	lo statomA (edi) sasqqorq	(129) बाडा	Max Breakdown Pressure (PSI)	Ave Treatment (I29)	Ave Pump (M9B) asaA	Stimulations Date	Stage No.

Please insert additional pages as applicable.

API 47- 15	02889	Farm	name ROBER	T TAYL	OR		Well	number	KING #13
PRODUCING	FORMATION(<u>S)</u>	DEPTHS						
INJUN			2111' - 2139'	TVD			MD		
SQUAW			2153' - 2165'	LVD	-		MD		
Cucriti			2100 - 2100	-	-		-		
					-		-		
Please insert ac	dditional pages a	s applicable.	-						
GAS TEST	Build up	Drawdown	□ Open Flow		OIL TE	ST A	Flow 1	2 Pump	
SHUT-IN PRE	SSURE Surf	ace 220	psi Botto	m Hole		psi	DURA	TION (OF TEST 12 hrs
OPEN FLOW		Oil			Water	bpd	GAS I	MEASU	JRED BY □ Orifice □ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTO DEPTH I	N FT DE				RECORD QUANTITY AND
SAND/SHALE	0	1588	0	MD	1	E OF FL	UID (FRE	SHWAI	ER, BRINE, OIL, GAS, H2S, ETC
SALT SANDS	1588'	1678'	, v			-		_	
SAND/SHALE	1678'	1828'							
LITTLE LIME	1828'	1882'							
PENCIL CAVE	1882'	1896'							
BIG LIME	1896'	2014"	1.1				T	201	reived
INJUN	2014'	2068'					- 1	10	CITON
SQUAW	2078'	2092'							
SAND/SHALE	2092'	2132"						JU	N 3 0 1014
WEIR	2132'	2190							
SAND/SHALE	2190	2362'			- 15				a Dil and Gas
					Office of Oil and Gas Wy Dept. of Environmental P			Environmental Protection	
			1				77.7	t Mathemati	
Diagra invart ad	ditional magaza	a anntication							
	lditional pages a								
	ctor WACO OIL	& GAS							
Address P.O. Bo	OX 397		City	GLENVIL	LE		State	WV	Zip 26351
Logging Comm	any NABORS C	OMPLETION 8	PRODUCTION	co					
Address 82 ELK		CAN EL HONG	12774	BUCKHA	NNON		Cr	wv	a. 36304
Address To Dell		Total - Val	City	DOGNIA		_	State	***	Zip _26201
Cementing Con Address P.O. BO	npany FORMAT	ION CEMENT		ZANIESVI	i e		200	OH	12700
Address	JN 2007		City	ZANESV	LLE	_	State	ОН	Zip _43702
Stimulating Con			CE CORPORATI	ION					
	UTH GRAHAM ST		City	ZANESV	LLE		State	ОН	Zip 43701
Please insert ad	ditional pages a	s applicable.							
Completed by	DANIELLE N. B	oggs			Tel	nhone	304-344	-9291	
Signature	an v.	Brian	Title Of	PERATION	S MANAGE				30/2014
	1.	The state of the s	5					Date of	11.547.
Submittal of Hy	draulic Fracturi	ng Chemical	a Disclosure Infor	mation	Attach	copy of	FRACE	ocus	Registry