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 47 039 06355 Cou	nty KANAWHA	District ELK	4
	Name N/A	Field/Pool Name B	LUE CREEK
Farm name_R. P. SKINNER		Well Number SKII	NNER NO. 5
Operator (as registered with the OOG) PETR	O HOLDINGS, INC.		
Address P.O. BOX 987	City SPENCER	State WV	Zip 25276
Top hole Northing Landing Point of Curve Northing	□ Horizontal 6A	Easting 463,579 Easting Easting Sting Type of Report ertical Depth Type □ Redrilling □ Rework ery □ Solution Mining □ St	□Interim
Date completion activities began5/30. Verbal plugging (Y/N)N/A Date perr Please note: Operator is required to submit a p. Freshwater depth(s) ftN/A	Date complete mission granted) (Y/N) depths	8/19/2013
Sait water depth(s) it	- rora(s) enco	untered (Y/N) depths	NO
coar depth(s) 11	NO Cavern(s) end	countered (Y/N) depths	INO
Is coal being mined in area (Y/N)	INO		Reviewed by:

API 47- 039	06355	Farm na	me_R. P. Sk	KINNER	~ <u>_</u>	Well number_SKINNER NO. 5				
CASING	Hole	Casing		New or	Grade		Basket	sket Did cement cit		
STRINGS	Size	Size	Depth	Used	wt/ft		Depth(s)		e details below*	
Conductor										
Surface	8 7/8"	7"	542'	USED		20	154'		YES	
Coal					_					
Intermediate 1										
Intermediate 2										
Intermediate 3										
Production Tubing	6 1/4"	4 1/2"	2173'	NEW/USED	10.	5/11.6	N/A		YES	
		2 3/8"	2118'	USED		4.6				
Packer type and de	epin sei									
Comment Details										
CEMENT	Class/Type	Numbe			ield	Volume	Ceme		WOC	
DATA Conductor	of Cement	of Sack	s wt (p	pg) (ft	³ /sks)	(U ²)	Top (N	4D)	(hrs)	
Surface	TYPE I	100	15.	6 1	.18	118	CTS			
Coal			10.		.10	110		-	8	
Intermediate 1				-				-		
ntermediate 2										
Intermediate 3	-									
Production	50/50 POZ	225	14.4	4 1	.29	290	CT:		N/A	
Tubing				•	.25	230	- 01.	-	IV/A	
Drillers TD (ft) Deepest formate Plug back process Kick off depth	tion penetrated cedure	WEIR		Loggers TI Plug back t						
Check all wirel	. ,	a caliper a neutron	density resistivity	□ deviate			duction emperature	□sonic		
Well cored	Yes 🖪 No	Conventio	nal Side	wall	W	ere cuttings	collected	Ves m	No	
	HE CENTRALI	ZER PLACEME	NT USED FO	R EACH CA		rring <u>pr</u>	ODUCTION - 4 1/2	CASING CE	NTRALIZERS -	
WAS WELL C	OMPLETED A	AS SHOT HOLE	□ Yes 🚇	No DE	ΓAILS ₋					
WAS WELL C	OMPLETED C	PEN HOLE?	□Yes 🚇 N	o DETA	ILS					
VERE TRACE	ERS USED	Yes 🖪 No	TYPE OF T	RACER(S) U	SED					

API 47- 039 _ 06355 Farm name R. P. SKINNER Well number SKINNER NO. 5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	5/30/13	2063'	2087'	22	WEIR
2	6/04/13	2032'	2049'	30	WEIR

		•			
		A # 44 - 14 C			

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	Amount of	Amount of
						Proppant (lbs)	Water (bbls)	Nitrogen/other (units)
1	6/04/13	24.5	2663	3754	1413	50,300	675	77 mscf of N2
2	6/04/13	28.8	2475	3983	1436	50,200	642	87 mscf of N2
					·			
<u> </u>						 		
) i d

Please insert additional pages as applicable.

Logging Company PRECISION ENERGY SERVICE	S/WEATHE	FORD				
Address 500 WINSCOTT ROAD	City	FORT WORTH	State	TX	Zip <u>78126</u>	
Cementing Company UNIVERSAL WELL SERVICE	S				•	
Address PO BOX 2437	City	BUCKHANNON	State	wv	Zip 26201	_
Stimulating Company Address PO BOX 2437	ES City	BUCKHANNON	State	wv	Zip 26201	
Please insert additional pages as applicable.					,	
Completed by ClamckOWM, II		-	one (304) 56		=:	
Signature //	_ Title _PR	RESIDENT, TEMPEST ENERGY	CORP, OWNER	Date _1	2/10/2013	

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

Page ___ of ___

API 47- 039 _ 06355

Farm name R. P. SKINNER

Well number SKINNER NO. 5

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITYAND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)
	INAME I VID	140	I WILD		TYPE OF PLOID (PRESHWATER, BRINE, OIL, GAS, FI2S, 131C)
CONTINUED					
SHALE	1474	1590		,	
· SAND	1590	1610			
SHALE	1610	1620		-	
LIME	1620	1841			
SHALE ,	1841	2029			
SAND,	2029	2089		·	
SHALE	2089	2204			
,					
	*				

			TREATMI	ENT SUMMARY	4		
V	lell Name: RP Skinne	1,6		Stage 1	w:	Date: 6	/4/2013
DE	SCRIPTION OF JOB			Energized	Cross-Link Fractur	e	
or town their	Pressures ((psi)		Treatment St	ats	Perforation	ons (ft)
	Well Open 141					Mid (TVD)	2075
Breakdown 3754		Avg Pre	essure 26	63 psi			
	ISIP 1413		Max Pr	essure 36	65 psi	Top Depth (MD)	2063
						Middle (MD)	2075
Print.	Pumping Volumes		Avg Ra		95.0 scF/min	Bottom Depth (MD)	2087
	Breakdown Il Nitrogen	3754 76872	Max Ra Avg Ra		05.0 SCF/min 4.5 BPM	Number of Perfs	22
To	tal Clean	675	Max Ra	ite 2	27 врм		
То	tal Slurry	725					
Time	Rate (SCF/min)	Nitrogen Cum. Volume (SCF)	Slurry Rate (BPM)	Slurry Cum Vol. (BBL)	Pressure (psi)	Description of \$	Stage or Ever
13:28	0.0	0	0	0	5041	Pressui	
13:32	0.0	0	3.3	0	141	Pump Break Fo	Pad
13:33 13:37	0.0 2880.0	10017	3.3 21	3 89	3754 3523	Shutdown to	oick up pump
A Barrier							
13:42 13:43	0.0 3100.0	10017 10017	2.2 15.9	89 92	1471 2492	Pump Bring	in N2
13:45	3102.0	16451	24.5	134	3701	Establis	sh Rate
13:45	3083.0	17861 29147	25 24.7	143 234	3664 3053	Start Sand @ Start Sand @ Start Sand @	2.00# 20/40
13:49 13:56	3083.0 3102.0	51976	25.1	417	2527	Start Sand @	3.00# 20/40
14:05	3083.0	76872	24.3	621	2139 2098	Start Sand @	Out N2
14:06 14:08	0.0	76872 76872	24.1 6.5	654 697	1184	Pump	
14:13	0.0	76872	13.7	703	1387	Displac	e Acid
14:14	0.0	76872	13.8	725	1781	Shut	down
		-					
	A THEORY SHOWING	Grand Comments of the	IM	aterial Totals			
Prop	oant	20/40		503	sks		
							5-7
- 20- 90	Version to the Allinois	yers of	200-201-0-15	S		UNITED	ERSM
Addit	tives		Nitrogen	76872	SCF	WELL BERVIO	a. INC. 4
		1	Jnigel 19XL	700	lbs		*
		159	% HCL Acid	250	gal		
			Cla Chek G	14 56	gal		
			Super Surf NE-90	12	gal		
			Unilink 8.5	54	gal		
		IEB.	0X Breaker	11	gal		

		- 5	TREATM	ENT SUMMARY	(.	1	4/2042
	Vell Name: RP Skinne	r 5		Stage 2		Date: 6/	4/2013
DE	SCRIPTION OF JOB			Energized	9		
F . E .	Pressures	(psi)		Treatment S	tats	Perforatio	ns (ft)
	Well Open 1052					Mid (TVD)	2038
	Breakdown 3983		Avg Pr	essure 24	475 psi		
ISIP 1436		Max P	essure 34	422 psi	Top Depth (MD)	2032	
						Middle (MD)	2038
	Pumping Volumes	A	Avg R		43.0 scr/min	Bottom Depth (MD)	2044
	& Breakdown al Nitrogen	8 87380	Max R Avg R		75.0 SCF/min 8.8 BPM	Number of Perfs	30
T,c	otal Clean	642	Max R		30 врм	-	
To	tal Slurry	688					
Time	Rate (SCF/min)	Nitrogen Cum. Volume (SCF)	Slurry Rate (BPM)	Slurry Cum Vol. (BBL)	Pressure (psi)	Description of S	tage or Ever
25.21%		0			4020	Drogous	Took
6:17	0.0	0	3.2	0	4938 1052	Pressure	Pad
6:22	0.0	0	6	8	3983	Break For	rmation
6:23 6:27	2991.0 4043.0	0 11760	16.5 28.2	12 106	3281 3416	Bring I	n N2 1 00# 20/40
6:30	4025.0	23905	28.9	195	2567	Start Sand @ Start Sand @	2.00# 20/40
6:36	4062.0	49087	29	378	2333	Start Sand @ Start Sand @	3.00# 20/40
6:44	4043.0 4065.0	82518 87380	28.5 28.9	616 653	2343 2226	Drop O	4.00# 20/40
6:45	0.0	87380	28.9	645	2196	Flus	sh
6:47	0.0	87380	29	688	2209	Shut d	own
			1				
	-						
	-						
			M	aterial Totals	1		
Propr	pant	20/40		502	sks		
						-	
						-	500
			Market a		2	UNIVE	RSA
Addit	ives		Nitrogen	87380	SCF	WELL BERVICE	B. INC.
		U	nigel 19XL	550	lbs		4
				42			
			Cla Chek G Super Surf	13 56	gal		
			NE-90	12	gal	Emanie	100
			Unilink 8.5	60	gal		
		LEB-1	0X Breaker	1	gal		