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



_{API 47} 103 1	721 County W	ETZEL	District GRANT	
Quad PINE GROVE 7.5	Pad Name	L.S. HOYT	Field/Pool Name	WILEYVILLE
Farm name DALLISON LU				4
Operator (as registered with	the OOG) H.G. ENERG	GY LLC		
Address 5260 DuPONT	ROAD Cit	PARKERSBURG	State WV	Zip <u>26101</u>
As Drilled location NAD		s-drilled plat, profile view,	and deviation survey Easting 529,924 M	
Landing Point of C		I	Easting	
Bottom	Hole Northing	I	Easting	
Elevation (ft) 1,370'	GL Type of	Well □New ■ Existing	Type of Repor	t Interim Final
Permit Type 📱 Deviate	d 🗆 Horizontal 🗆 F	Horizontal 6A 🛘 🗆 Vertica	al Depth Type	□ Deep 🛔 Shallow
Гуре of Operation □ Conv	vert □ Deepen □ Dril	I □ Plug Back □ Re	edrilling Rework	■ Stimulate
Well Type □ Brine Dispos	sal □ CBM □ Gas □ Oil	Secondary Recovery	□ Solution Mining □ S	Storage Other
Гуре of Completion ■ Sin	ngle □ Multiple Fluids	s Produced □ Brine □C	Gas □ NGL ■ Oil	□ Other
Drilled with Cable	Rotary			
A CONTRACTOR OF THE PROPERTY OF	ole		ate hole ■ Air □ Mu	ud
				. NVA
Date permit issued7		ng commencedN/A		
Date completion activities	began 7/29/13	Date completion	activities ceased	7/29/13
Verbal plugging (Y/N)	N Date permission	granted	Granted by	
Please note: Operator is re	quired to submit a plugging	g application within 5 days	of verbal permission	RECEIVED
Freshwater depth(s) ft				The state of the s
	None	Open mine(s) (Y/	N) depths	
Salt water depth(s) ft	None		red (Y/N) denths	N
Salt water depth(s) ft	None	Void(s) encounter	red (Y/N) depths	

API 47- 103	_ 1721	Farm na	me_DALLI	SON LU	JMBE	R INC.	Wel	I number_	104	
—— CASING STRINGS	Hole Size	Casing Size De		New or Depth Used		Grade wt/ft		Basket Depth(s)	Did ce	ment circulate (Y/ N) vide details below*
Conductor		- Size	Бери		<u> </u>					
Surface		8 5/8"	1,293'	Exi	sting		ĺ			Existing
Coal										
Intermediate I		.,								
Intermediate 2			-							
Intermediate 3						-	-			
Production		4 1/2"	3,490'	Exi	sting					Existing
Tubing										
Packer type and de	epth set									
Comment Details										
CEMENT DATA	Class/Type of Cement	Numbe of Sack		Slurry t (ppg)		ield ³/sks)	Volume		Cement Fop (MD)	WOC (hrs)
Conductor										
Surface	Existing	580								
Coal										
Intermediate I										
Intermediate 2										
Intermediate 3										
Production	Existing	275								
Tubing										
Drillers TD (ft Deepest forma Plug back pro Kick off depth	tion penetrated cedure N/A	Gordon			_	D (ft) 3534 to (ft) N/A				
Check all wire	eline logs run	□ caliper □ neutron	□ density □ resistiv	•	deviat gamm	ed/direction		induction temperati		nic
	Yes A No			idewall FOR EA	ACH C				ed ■ Yes	□ No
		AS SHOT HOL					-			
WAS WELL	COMPLETED	OPEN HOLE?	□ Yes ■	No No	DET	AILS				
WERE TRAC	ERS USED	□ Yes ■ No	ТҮРЕ О	F TRAC	ER(S)	USED				

API 47- 103 - 1721 Farm name DALLISON LUMBER INC. Well number 104

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	Existing	3424'	3428'	16	Gordon
1	Existing	3422'	3430'	48	Gordon
			-		
				 	
				 	
L			<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	7/29/13	10	3086	2548	3725	15,000	345	
						 		
						-		
				<u> </u>			 	
						 		
							 	<u> </u>
L							<u> </u>	
_						<u> </u>	1	L

Please insert additional pages as applicable.

WR-	35	
Rev.	8/23	/13
API	47-	10

API 47- 103	_ 1721	Farm	name_DALLISC	ON LUMBE	R INC.	Well number	104	
PRODUCING I	FORMATION(<u>S)</u>	<u>DEPTHS</u>	_TVD _3	418'-3424'	MD		
Please insert ad	ditional pages a	as applicable.		-				
GAS TEST	□ Build up	n Drawdown	□ Open Flow	O	IL TEST	Flow Pump)	
SHUT-IN PRE	SSURE Sur	face	_psi Botto	m Hole	psi	DURATION (OF TEST	hrs
OPEN FLOW	Gas	Oil	NGL	1	Vater	GAS MEASU	JRED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD		ROCK TYPE AND		ANTITYAND IL, GAS, H ₂ S, ETC)
	0	TVD	0	WID	THEORY		nal Well Recor	
DI	Litianal magaz	as applicable						
	lditional pages							
Drilling Contra	ctor		City			State	Zin	
Address			City			State	Zip	
			01				7'	
Address			City	_		State	Zıp	
	mpany		City			State	Zip	
	mpany Produ							
Address 109 Sc	outh Graham Stree	et	City	Zanesville		State OH	Zip _437	01
Please insert ac	lditional pages	as applicable.						
Completed by	2050	March Helo	Man	N norati	Telephon	hg Date	11/26/1	107
Signature) yen	10100	Title	O jevi)	-11-	Date.	1.700	
Submittal of H	ydraulic Fractu	ring Chemical	Disclosure Info	rmation	Attach copy	of FRACFOCU	S Registry	

Prepared for: H G Energy



INVOICE #: 15615		
WELL NAME: L S Hoyt #104		
STATE & COUNTY: WV/ Wetzel		
TOWNSHIP/FIELD: Wielyville		
DATE of SERVICE: 7/29/2013		
CUSTOMER PO#		
COOTONIZATION		
Description	Notes	Amount
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1
DI ENDER CHARGE 0-10 BPW		140
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	
IC ACID 15%		300 0.5
PRO HIB II		2
ACID DELIVERY		20
PRO CLA LOK (KCL SUBSTITUTE)		10
PRO NE-21		250
PRO GEL 4		50
BUFFER I		50
BUFFER II		1
BIO CLEAR 750		22
AP BREAKER		15
BXL-A		15
BXL-10C		150
SAND 20/40 OTTAWA SAND DELIVERY / TON MILES		525
DATA VAN		1
DATA VAN		
Customer Approval:		