

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

API 47 - 103 - 17	16 County	WETZEL	District GRA	NT			
Quad PINE GROVE 7.5'	Pad Na	ume L.S. HOYT					
Farm name DALLISON LU	IMBER INC.		Well Number				
Operator (as registered with	the OOG) H.G. EN	ERGY LLC					
Address 5260 DuPONT F	ROAD	City PARKERSBUR	G State W	V Zip 26101			
As Drilled location NAD		an as-drilled plat, profile 384,709 M	view, and deviation sur Easting 530,621 M				
Landing Point of C							
Bottom I							
Elevation (ft) 1,452'	GL Typ	e of Well □New ■Ex	sting Type of	Report □Interim ■Final			
Permit Type 📱 Deviated	 Horizontal 	□ Horizontal 6A □ V	ertical Depth T	ype 🗆 Deep 📕 Shallow			
Type of Operation □ Conve	ert 🗆 Deepen 🗆	Drill □ Plug Back	□ Redrilling □ Re	work Stimulate			
Well Type □ Brine Disposa	al	Oil Secondary Recov	ery 🗆 Solution Mining	g 🗆 Storage 🗆 Other			
Type of Completion Sing	ele □ Multiple - F	luids Produced Brine	□Gas □ NGL	Oil Dother			
	Rotary	Illias Froduces — — — — —					
Drilling Media Surface ho Production hole Air Mud Type(s) and Additive(N/A	Mud Fresh Wa						
			0.	6.4%			
Date permit issued7/	16/13 Date d	rilling commenced	N/A Date of	drilling ceasedN/A			
Date completion activities b	7/25/	Date comp	letion activities ceased	7/25/13			
Verbal plugging (Y/N)		ssion granted		у			
Please note: Operator is rec	uired to submit a plu	gging application within 5	days of verbal permiss	sion to plug			
				RECEIVED			
Freshwater depth(s) ft	None	Open mine(s) (Y/N) depths	Office of Oil & Gas			
Salt water depth(s) ft	None	Void(s) end	ountered (Y/N) depths				
Coal depth(s) ft	1,341'-1,350'	Cavern(s) e	ncountered (Y/N) depth	DEC 2 7 2013			
Is coal being mined in area		N	pos	WV Department of			
			En	vironmental Protectio			

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API 47- 103	_ 1716	Farm n	ame_DALLISC	ON LUMBE	R INC.	Well	number_10)8
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								
Surface		8 5/8"	1,438'	Existing				Existing
Coal								
Intermediate 1								
Intermediate 2								
Intermediate 3								
Production		4 1/2"	3,496.9	Existing				Existing
Tubing					<u> </u>			
Packer type and de	pth set							
Comment Details						-		
CEMENT DATA Conductor	Class/Type of Cement	Numb of Sac			Yield ft ³ /sks)	Volume (ft ³)		ment WOC (MD) (hrs)
Surface	Existing	600			-			
Coal	Existing		,	-			_	
Intermediate 1						-		
Intermediate 2		- 						
Intermediate 3								
Production	Existing	275	- -		-			
Tubing	LAISTING		,	 		-		
Drillers TD (ft) Deepest format Plug back production Kick off depth	tion penetrated cedure N/A	Gordon			TD (ft) 3599 c to (ft) N/A			
Check all wire	line logs run	□ caliper □ neutro			ited/direction		induction temperature	□sonic
Well cored □				ewall				■ Yes □ No
Existing						ring _		
WAS WELL	COMPLETED	AS SHOT HO	LE 🗆 Yes	■ No I	DETAILS			
WAS WELL	COMPLETED	OPEN HOLE?	□ Yes ■	No DE	TAILS _			
WERE TRAC	ERS USED (⊒ Yes ■ No	TYPE OF	TRACER(S)	USED _			

API 47- 103 _ 1716 Farm name DALLISON LUMBER INC. Well number 108

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	Existing	3439'	3443'	20	Gordon
1	Existing	3437'	3444'	35	Gordon
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<u> </u>			<u> </u>		
	L	<u> </u>			

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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)
			None	2982	9,400	363	
7720.10							
			+				
						-	
					 	-	
					<u> </u>		
						 	
			 		-		
			<u> </u>		 	 	
						1	
	Stimulations Date 7/25/13	Date Rate (BPM)	Date Rate (BPM) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proppant (lbs)	Date Rate (BPM) Pressure (PS1) Pressure (PS1) ISIP (PS1) Proppant (lbs) Water (bbls)

Please insert additional pages as applicable.

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API 47- 103	_ 1716	Farm	name_DALLISC	ON LUMBER	R INC. Wel	II number_108	
PRODUCING I	FORMATION(<u>S)</u> .	<u>DEPTHS</u>	TVD 34	35'-3446' M	D	
Please insert ad							
					L TEST □ Flow		
SHUT-IN PRE	SSURE Sur	ace	psi Botto	m Hole	psi DUR	ATION OF TESThrs	
OPEN FLOW	Gas mc	Oil fpd	NGL bpd	bpd	/ater GAS bpd □ Es	S MEASURED BY stimated Orifice Pilot	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD		TYPE AND RECORD QUANTITYAND RESHWATER, BRINE, OIL, GAS, H ₂ S,	ETC)
	0		0			See original Well Record	
		11.11					
Please insert a							
	actor				Sta	ateZip	
Address	pany		City		Sta	ateZip	
Address			City		Sta	ate Zip	_
Address 109 S	ompany Produ	et	City	Zanesville	St	ate OH Zip 43701	
	dditional pages				,		
Completed b	Du Roll	- Held	md n Title _	Operation	Telephone 5	Date 11/20/13	
1	,		l Disclosure Info			ACFOCUS Registry	

Prepared for:

H G Energy



15612 INVOICE #: L S Hoyt #108 WELL NAME: STATE & COUNTY: WV/ Wetzel TOWNSHIP/FIELD: Wielyville 7/25/2013 DATE of SERVICE: CUSTOMER PO# Amount Unit Notes Description 1 EA FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS 1 EA BLENDER CHARGE 0-10 BPM 140 MI MILEAGE CHARGE PER UNIT ONE WAY 2 Units @ 70 Miles GAL 300 IC ACID 15% 0.5 GAL PRO HIB II 2 HR ACID DELIVERY 20 GAL PRO CLA LOK (KCL SUBSTITUTE) 10 GAL PRO NE-21 250 LB PRO GEL 4 LB 50 **BUFFER I** LB 50 BUFFER II LB 1 **BIO CLEAR 750** 22 LB AP BREAKER 15 GAI BXL-A 15 GAI BXL-10C 94 CW SAND 20/40 ECONOPROP 329 TMIL SAND DELIVERY / TON MILES 1 STAC DATA VAN Customer Approval: _