

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

API 47 - 103 - 1709 County WETZEL	District GRANT
Quad PINE GROVE 7.5' Pad Name L.S. HOYT	
Farm name DALLISON LUMBER INC.	Well Number 106
Operator (as registered with the OOG) H.G. ENERGY LLC	
Address 5260 DuPONT ROAD City PARKERSBU	JRG State WV Zip 26101
As Drilled location NAD 83/UTM Attach an as-drilled plat, profit Top hole Northing 4,384,341 M	
Landing Point of Curve Northing	
Bottom Hole Northing	Easting
Elevation (ft) 1,402' GL Type of Well New	Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A	Vertical Depth Type 🗆 Deep 📱 Shallow
Type of Operation □ Convert □ Deepen □ Drill □ Plug Back	□ Redrilling □ Rework ■ Stimulate
Well Type □ Brine Disposal □ CBM □ Gas □ Oil ■ Secondary Rec	covery Solution Mining Storage Other
Type of Completion Single Multiple Fluids Produced Brind Drilled with Cable Rotary Drilling Media Surface hole Air Mud Fresh Water In Production hole Air Mud Fresh Water Brine Mud Type(s) and Additive(s) N/A	ntermediate hole ■ Air □ Mud ■ Fresh Water □ Brine
7/46/42	N/A Data drilling ceased N/A
40/47/40	Date drilling ceased
	mpletion activities ceased10/17/13
Verbal plugging (Y/N) N Date permission granted	Granted by
Please note: Operator is required to submit a plugging application within	n 5 days of verbal permission to plug
Freshwater depth(s) ft Open min	ne(s) (Y/N) depths REQEIVED
Salt water depth(s) ft None Void(s) e	ncountered (Y/N) depths Office of Qil & Gas
Coal depth(s) ft	ncountered (Y/N) depths Office of Qil & Gas encountered (Y/N) depths DEC 2 7 2013
Is coal being mined in area (Y/N) N	DEC 2 1 2013

API 47- 103	_ 1709	Farm n	ame_DALLISC	ON LUMBE	R INC.	Well n	umber_10	6	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket epth(s)		t circulate (Y/ N) details below*
Conductor				<u> </u>					F 1.41-
urface		8 5/8"	1,339.24'	Existing					Existing
oal									
ntermediate 1								-	
ntermediate 2								ļ	
ntermediate 3									
Production		4 1/2"	3,154.05'	Existing					Existing
Tubing			L	<u> </u>					
acker type and de	epth set			_					
Comment Details									
CEMENT DATA	Class/Type of Cement			,	Yield t ³ /sks)	Volume (ft ³)		nent (MD)	WOC (hrs)
Conductor	or cemen								
Surface	Existing	569	5						
Coal									
Intermediate 1									
ntermediate 2									_
Intermediate 3									
Production	Existing	27	5						
Tubing									
Drillers TD (fl Deepest forma Plug back pro Kick off depth	ntion penetrated ocedure N/A	d Gordon			ΓD (ft) <u>340</u> 6 (to (ft) <u>N/A</u>				
Check all wire		□ calipe □ neutro		□ devia ty □ gamr			nduction emperature	□sonio	;
Well cored	□ Yes 🖪 No	Conve	ntional Sid	lewall	W	ere cuttings	collected	■ Yes □	No No
DESCRIBE T	THE CENTRA	LIZER PLACE	MENT USED F	FOR EACH (CASING S	TRING			
			V	■ No. I	DETAILS				
WAS WELL	COMPLETEI	AS SHOT HO	LE U Yes	B 190 1					
WAS WELL	COMPLETE	O OPEN HOLE	? □Yes 🖪	No DE	TAILS _				
			m / = 0 = 0	TD 4 OF D (0	LICED				
WERE TRAC	CERS USED	□ Yes ■ No	TYPE OF	racek(S) n2en [_]				

API 47- 103 - 1709 Farm name DALLISON LUMBER INC. Well number 106

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	Existing	3330'	3334'	16	Gordon
1	Existing	3325'	3335'	60	Gordon
,					

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	10/17/13		2571	None	2626	12,000_	352	
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Please insert additional pages as applicable.

WR-35 Rev. 8/23/13

API 47- 103	_ 1709	Farm ı	name DALLISC	N LUME	BER INC.	Well number	_r _106	
PRODUCING I		<u>1(S)</u>	<u>DEPTHS</u>		3324'-3336'			
		 		_				
Please insert ad	ditional pages	as applicable.				.		
GAS TEST	□ Build up	□ Drawdown	□ Open Flow		OIL TEST 🗖	Flow 🗆 Pumj)	
SHUT-IN PRE	SSURE Su	ırface	_psi Bottor	n Hole	psi	DURATION	OF TEST1	nrs
OPEN FLOW	Gas m	Oil cfpd	NGL bpd	bpd _	Water bpd	GAS MEAS	URED BY ☐ Orifice ☐ Pilot	:
LITHOLOGY/ FORMATION	TOP DEPTH IN FI NAME TVD	DEPTH IN FT	TOP DEPTH IN FT MD_	BOTTON DEPTH IN MD	FT DESCRIBE		O RECORD QUANTITYA TER, BRINE, OIL, GAS, F	
	0		0			See orig	inal Well Record	-4-
		_						
	-							
Please insert ac	 ditional page	s as applicable.						
Drilling Contra	actor		~			State	Zip	
						State	Zip	
Address			City			State	Zip	
Stimulating Co	ompany Proc	ducers Service Co	orp.	Zanesville		State OH	Zip 43701	
	dditional page	s as applicable.						
Completed by	1 05.	er /1	eldman Title		Telephon	e <u>304 </u>	- 420 - 1, 11/26/13	107
<i>- - - - - - - - - -</i>		turing Chemical						

Prepared for:

H G Energy



	SERVICE CORP.	ERVICE CORP.		
INVOICE #: 16007				
WELL NAME: L S Hoyt #106				
STATE & COUNTY: WV/ Wetzel				
TOWNSHIP/FIELD: Wielyville				
CUSTOMER PO#				
Description	Notes	Amount		
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1		
BLENDER CHARGE 0-10 BPM		1		
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	140		
IC ACID 15%		300		
PRO HIB II		0.5		
ACID DELIVERY		25		
PRO CLA LOK (KCL SUBSTITUTE)		12		
PRO NE-21 PRO GEL 4		250		
BUFFER I		50		
BUFFER II		50		
BIO CLEAR 750		2		
AP BREAKER		22		
BXL-A		15		
BXL-10C		15		
SAND 20/40 ECONOPROP		120		
SAND DELIVERY / TON MILES		420		
DATA VAN		1		
Customer Approval:		•		