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WR-35 WV GEOLOGICAL SURVEY MORGANTOWN, WV

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State of West Virginia

Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work WZ

API 47_ 103 _ 17	County WETZE		NT			
Ouad PINE GROVE 7.5'	Pad Name L.S. H	OYT Field/Pool Name WILEYVILLE				
Farm name DALLISON LU	JMBER INC.	Well Number	106			
Operator (as registered with Address 5260 DuPONT F	the OOG) H.G. ENERGY LLC	RKERSBURG State WV				
Permit Type	nole Northing 4,384,341 M urve Northing Hole Northing GL Type of Well Horizontal Horizon ert Deepen Drill Gal CBM Gas Oil See See See Multiple Fluids Product Rotary Ole Air Mud Fresh Water Brin	Easting Easting Type of R Ital 6A Vertical Depth Ty Plug Back Redrilling Rev condary Recovery Solution Mining Iced Brine Gas NGL	Report □Interim ■Final Proper □ Deep ■ Shallow Work ■ Stimulate □ Storage □ Other			
Date permit issued7	/16/13 Date drilling com	nmenced N/A Date d	rilling ceasedN/A			
Date completion activities	began 10/17/13	_ Date completion activities ceased	10/17/13			
Verbal plugging (Y/N)		ed Granted b	у			
Please note: Operator is re	quired to submit a plugging appli	cation within 5 days of verbal permiss	ion to plug			
Freshwater depth(s) ft	None	Open mine(s) (Y/N) depths	N			
Salt water denth(s) ft	None	Void(s) encountered (Y/N) depths	N ·			
Coal depth(s) ft	1,294'-1,301'	Cavern(s) encountered (Y/N) depth	nsN			
Is coal being mined in area	a (Y/N)N	<u> </u>	Reviewed by:			

Pine Grove Camp Pan (40) B-0

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PI 47- 103		Farm n	ame_DALLISC	N LUMBEI	R INC.	Well num	ber_ <u>106</u>	
r1 4/				New or	Grade	Baske		ement circulate (Y/ N
ASING	Hole Size	Casing Size	Depth	Used	wt/ft	Depth		vide details below*
TRINGS onductor	Size	Bize						
ırface		8 5/8"	1,339.24'	Existing				Existing
oal								
termediate 1								
termediate 2								
termediate 3								
roduction		4 1/2"	3,154.05'	Existing				Existing
ubing								
ncker type and de	epth set							
	Cl. /T	Num	ber Slu	rrv	/ield	Volume	Cement	woc
CEMENT DATA Conductor	Class/Type of Cement			,	t ³/sks)	<u>(ft.³)</u>	Top (MD)	(hrs)
urface	F	56	5					
Coal	Existing	30						
ntermediate 1								
ntermediate 2								
ntermediate 3								
Production	Existing	27	5					
Tubing	LAISHING							
Drillers TD (1 Deepest form Plug back pr	ation penetrate	d Gordon			TD (ft) 340 (to (ft) N/A			
Kick off dept	th (ft)					·		
	reline logs run	□ calipe □ neutr			ated/directi na ray			sonic
	□ Yes ▮ No			dewall			ollected ■ Ye	
DESCRIBE Existing								
	1							
				■ No	DETAILS			
WAC WET T	COMPLETE	D OPEN HOLE	? □Yes 🖪	No DI	ETAILS _			

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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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API 47- 103 - 1709

WR-35 Rev. 8/23/13

Farm name_DALLISON LUMBER INC

_Well number__

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
	Extourig				
-					
					
ł					
			,		
 					
1	1		<u> </u>		1

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	10	2571	None	2626	12,000	352	
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	+						<u> </u>	

Please insert additional pages as applicable.

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WR-35 Rev. 8/23/13 API 47- 103	MORGANTO _ 1709	PWN, WV Farm r	name DALLISC	ON LUMB	BER INC.	Well number_1	106
PRODUCING F			DEPTHS				
Gordon	Oldvillion	<u> </u>		TVD	3324'-3336'	MD	
Gordon				_ 1 \ D			
							
							
Please insert ad	ditional pages	as applicable.					
			□ Open Flow		OIL TEST 🗆	Flow Pump	
SHUT-IN PRE	SSURE Sur	face	_psi Botto	m Hole	psi	DURATION O	F TESThrs
OPEN FLOW	Gas	Oil	NGL		Water	GAS MEASUI	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN MD	FT DESCRIBE		RECORD QUANTITYAND ER, BRINE, OIL, GAS, H2S, ETC)
	0		0			See origina	al Well Record
Please insert ac	dditional pages	as applicable.					
Drilling Contra Address	actor		City			State	Zip
Logging Comp	oany		City			State	Zip
Address						State	Zip
Stimulating Co	ompany Prod	ucers Service C	orp.	Zanca:		Stata OH	Zip 43701
Address 109 S	outh Graham Str	s as applicable.	City	Zanesviii	U	State	7 1h
						7	472 / 11.12
Completed b	y /6 05,0	of 17	caman		Telepho	ne <u> </u>	420 - 1/07 11/26/13
Signature	for N	91 M	Title _				11/00/11/
Submittal of H	Hydraulic Fract	turing Chemical	l Disclosure Infe	ormation	Attach copy	of FRACFOCUS	S Registry

Prepared for:

H G Energy



INVOICE #:	16007		
WELL NAME:	L S Hoyt #106		
STATE & COUNTY:	WV/ Wetzel		
TOWNSHIP/FIELD:	Wielyville		
DATE of SERVICE:	10/17/2013		
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		2
PRO CLA LOK (KCL SUBSTITUTE)		25
PRO NE-21		12
PRO GEL 4		250
BUFFERI		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

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•	*		
Customer Approval:			

