DATE: 3/4/09 API: 47-033-05146

State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Donna & Nolan Jarvis	0	perator W	/ell No	lughes #1 D	0715
LOCATION: Elevation: 13	79'	Quad	rangle:	Big Isaa	r.
District: Union	<u> </u>		County:	Harrisor	
Latitude: 13,700 Feet	S. of 3		. 15 Min.	Se	
Longitude: 940 Feet \			. 30 Min.	S	
		obeg			·C.
Company: <u>Devonian Gas Production,In</u>	C.				
	l C	asing &	Used in		Cement fill
Address: PO Box 907	ta .	ubing	Drilling	Left in Well	
Jane Lew, WV 26378		9 5/8	30	conductor	
		7"	1055'	1055'	to surface
Agent: John Ha	skins	4 1/2"	-5000	5322'	230 sks
Inspector: Tim Be				JOLL	200 GRG
	22/08				
	16/08		525.5		
	02/08		5905 I	4 10 12 7 22 1	ÿ
Verbal Plugging:			10100	ा 🗘 छे	Gus
Date Permission Granted on:					
Rotary X Cable Rig			AU	6 0 2 2512	
	5441'				
Fresh Water Depth (ft):	255'		1857 C		, &
			77.5	3 - 2 - 7 - 3	4
Salt Water Depth (ft):	none		Lifvicti		
Is coal being mined in the area (Y/N)?	N		······································		
Coal Depths (ft): 150', 460'					
					
OPEN FLOW DATA					
Producing formations	30'		Pay zone depti	h (ft)	2411'
	Gordon		, =		2594'
	Bayard				2845'
	Benson				4838'
	lexander				5190'
-	······				
				·	
					
Gas: Initial open flow od	or Mcf/d	d. Oil: Initi	al open flow	N/A Bb	l/d
Final open flow 35	0 Mcf/d	d. Fin	al open flow	N/A Bb	//d
Time to open flow between ir	nitial and fi	nal tests:	4	Hours	
Static rock Pressure120	00 psig	(surface p	oress.) after		urs
			•		
NOTE: On back of this form put the follo	wing: 1) D	etails of p	erforated interv	als, fracturin	g or
stimulating, physical change, etc. 2) The	e well log v	vhich is a	systematic deta	ailed geologi	cal
record of all formations, including coal el	ncountered	d by the w	ellbore.		
Signed:					
By:					
Date: 3/4/e9					

HYDRAULIC FRACTURING DETAILS

STAGE	FORMATION	PERFORATIONS	SAND
		# of shots	20/40
1st Stage	Alexander	12	30,000
2nd Stage	Benson	14	30,000
3rd Stage	Bayard	12	30,000
4th	Gordon	12	15,000
5th	30'	8	10,000

DRILLERS LOG

FORMATION	EDOM.	TO
FORMATION	FROM	ТО
fill	0	5
sand & shale	5	58
red rock	58	67
sand & shale	67	150
coal	150	154
red rock	154	185
sand & shale	185	365
red rock	365	444
sand & shale	444	460
coal	460	465
sand & shale	465	555
red rock	555	667
sand & shale	667	1,690
red rock	1,690	1,740
sand & shale	1,740	1,895
Big Lime	1,895	1,985
sand & shale	1,985	2,410
Fifty foot	2,410	2,420
sand & shale	2,420	2,552
Gordon	2,552	2,588
sand & shale	2,588	2,867
Bayard	2,867	2,884
sand & shale	2,884	3,750
Balltown	3,750	3,800
sand & shale	3,800	4,798
Benson	4,798	4,850
sand & shale	4,850	5,160
Alexander	5,160	5,210
sand & shale	5,210	TD

ELECTRIC LOG FORMATION DEPTH

FORMATION	DEPIR
Big Lime	1,905
Gordon	2,510
Fourth Sand	2,564
Bayard	2,850
Benson	4,855
Alexander	5,245
	
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