

8650



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEFT. OF Misters of Mest Mirginia

Department of Mines
Dil und Gas Division

Date_	April	6,	1984	
Opera				
Well 1	.WO#1			
Farm_	AM-84			
API N	o. 47 -	- 095	5 -	1047

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 677.75' Watershed Ohi	o River		·		
District: Lincoln County Tyler	·	Quadrangle	Paden (City	
					•
COMPANY Applied Mechanics Corporation					
ADDRESS Rt. 1, Box 41-J, Bridgeport, WV 26330		773 :	* - EL	Cement	l
DESIGNATED AGENT C.L. Stout	Casing	Used in		fill up	
ADDRESS Rt. 1, Box 41-J, Bridgeport, WV 26330	Tubing	Drilling	IN MEIL	Cu. ft.	
SURFACE OWNER Adon's Forest Products, Inc.	Size 20-16				ĺ
ADDRESS P. O. Box 35, New Martinsville, WV 26155	Cond.	20'	20'		ĺ
MINEPAL RIGHTS OWNER Logan Hassig, Agent	13-10"				
ADDRESS P.O. Box 35, New Martinsville, WV 26155	9 5/8			105	
	8 5/8	758'	758 '	195 sks	
OIL AND GAS INSPECTOR FOR THIS WORK Robert A. General Delivery, Lowther ADDRESS Middlebourne, WV 26149	7				
PERMIT ISSUED March 14, 1984	5 1/2				
DRILLING COMMENCED March 21, 1984	4 1/2	2646.55'	2646.55	255 sks.	Poz mix
DRILLING COMPLETED March 25, 1984	3				1
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2				ļ
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners				1
REWORKING. VERBAL PERMISSION OBTAINED ON N/A	used				
GEOLOGICAL TARGET FORMATION 5th Sand/Gordon		Den	+h 3750!	feet	
Depth of completed well 2748' feet I	Rotary X				
Water strata depth: Fresh 40' * feet;					
Coal seam depths: None				area? No	
* Fresh Water @ 120'. 2					
CPEN FLOW DATA	Dec	do - -	 250/ 25	502 500 5	
		-		543 feet	
Gas: Initial open flow show Mcf/d Final open flow 205 Mcf/d		_			
Time of open flow between init.					•
Static rock pressure 950 psig(surface					
(If applicable due to multiple completion			<u> 40 .</u>	<u> </u>	
Second producing formation Weir		v zone den	th 1923-20	008 feet	
Gas: Initial open flow show Mcf/d					
Final open flow co-mingled Mcf/d		_			
Time of open flow between init	lal and f	inal tests	i ho	ours	

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

2504-2543' w/ 10 holes, water frac with nitrogen First Stage: Gordon; assist; 32,000# 20/40 sand, 430 bbls. sand laden fluid

1923-2008' w/14 holes, water frac with nitrogen assist; 48,000# 20/40 sand, 554 bbls. sand laden fluid Second Stage: Weir;

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh
			and salt water, coal, oil and gas
		50	fresh water @ 40'
Surface	0	70	Tresh water & 40
Sand, gravel, soft	50		
Shale, blue, med.	70	100	snoot voton A 1201
Red Rock, red, soft	100	120	fresh water @ 120'
Shale, gray, med.	120	160	
Red rock, red, soft	160	135	
Shale, gray, med.	185	210	
Shale, blue, med.	210	220	
Red Rock, red, soft	220	230	
Shale, gray, med.	230	265	fresh water @ 230'
Sand, gray, hard	265	273	
Shale, gray, soft	273	340	
Sand, hard	340	363	
Shale, sand, gray, med.	363	406	
Shale, gray, soft	406	460	
Red rock, red, soft	460	547	
Shale, gray, soft	547	530	
Sandy shale, gray, med.	580	622	
Shale, blue, soft	622	665	
Sand, gray, med.	665	685	
Shale, gray, soft	685	795	
Sand, gray, hard	795	803	
Shale, gray, soft	803	818	
Sand, gray, hard	818	828	
Shale, blue, soft	828	860	
Shale, gray, soft	860	880	
Shale, sand, brown, med.	880	888	hole damp
Shale, gray, soft	888	897	
Sand, shale, brown, med.	897	996	salt .water, went on soap @ 921'
Shale, gray, soft	996	1165	Sale massi, went in stap 1 /s
Sand, shale, gray, hard	1165	1215	
	1215	1239	
Shale, gray, soft Sand, shale, white, hard	1239	1275	
Shale, gray, soft	1275	1335	1
	1335	1366	
Sand, white, hard	1366	1405	
Shale, gray, soft	1405	1525	
Lime, gray, hard	1525	1640	salt water @ 1553'
Injun Sand, gray, hard	1929	1040	Saro water e 1995
-continued-	//*****		

(Attach separate sheets as necessary)

APPLIED MECHANICS CORROTATION Well perator IT PRESIDENT April 6, 1984 Date:_

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including well, encountered in the drilling of a well."

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water Remarks
Sand, shale, gray, hard Shale, gray, soft Sand, shale, gray, hard Weir, sand, gray, hard Shale, sand, gray, med. Shale, gray, soft Shale, sand, gray, hard Sandy shale, gray, hard Gordon shale, gray, med.	1640 1840 1861 1900 1972 2016 2108 2400 2507	1840 1861 1900 1972 2016 2108 2400 2507 2590	Picked up little gas at <u>2520-25</u> 5
Shale, gray, med. Shale, blue, med.	2590 2620	2620 2748	Total Depth
GEOFHYSICAL LOG TOPS			
Big Lime 1420' . Big Injun 1515' Weir 1886' Gondon 2502'			
•	•		
•			

Date April 6,
APPROVED TIS PRESIDENT _ , 1984



.1)	Date: Febru	1984		
2)	Operator's Well No	M84-1		
3)	API Well No.	47	- 095	- 1047
		State	County	Permit

Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELL 7												
	В	(If "	'Gas'',	Production	n <u>x</u>		/ Underg	ground st	orage	/ Deep	/ Shallow	x ()
5) LOCAT	ION:	Eleva	tion: _	0//.	/3		Waters	hed:	<u> </u>	ver		,
				agnoli			County	/: <u>Ty</u>	ler	Quadrangle: _	Paden Cit	y 7.5'
6) WELL C						cs Coi	<u> </u>	7) DESIGNATE	DAGENT C. L.	Stout	
Addr	ess			Box					Address	Rt. 1, Box	: 41-J	
				eport,		2633	30			Bridgeport	., WV 26	330
8) OIL & C								9	DRILLING C	CONTRACTOR:		
Name _				<u>owthe</u>		·			Name	Unknown		
Addr	ess			Deliv					Address			
	_	Miac	атерс	ourne,	WV	2614	19					
10) PROPOS	SED WEI	LL WC	ORK:			_/ Drill			_/ Redrill	/ Stimulate	X /	
				Plug o	ff old	formation	n/	Perforat	e new formation	n/		
				Other 1	hysical	change i	n well (specif	fy)				
11) GEOLO				MATION	I,	ith Sa	nd/Gord	on				
12) Esti	mated dep	th of c	omplet	ed well,		3750		feet				
							feet;	salt,_		feet.		
∘14) ∘App	roximate	coal se	am dep	ths:				Is coal	being mined in th	ne area? Yes	/ No	x /
15) CASING	AND T	JBING	PROC	GRAM								
CASING OR TUBING TYPE	1		SPEC	IFICATION	s	!	FOG	TAGE INT	ERVALS	CEMENT FILL-UP	PACK	FRS
TOBING TIPE	Size	1.1	Grade	∘Weight per ft.	New	Used	For drilli	ng	Left in well	OR SACKS (Cubic feet)		
Conductor	11 3	/4 F	1-40	42		x	20	0	20	(Oldic reet)	Kinds	
Fresh water											Kinus	
Coal											Sizes	
Intermediate	8 5	/8 J	J - 55	23	х		600	0	600	Circulate 7	+	Ala-A
Production	li			10.5	x				3650	300 SX OK	Danie	ice year
Tubing										AS REB.		1 0 1
Liners										13 164.	Perforations:	- 13.61
									-		Top	
											100	Bottom
										<u> </u>		
											11	
							OFFICE U	JSE ON	ILY			Control Control
							DRILLING	G PER	MIT			
ermit number		4	7-09	5-1047	,							04
orman mannoci		•		2047						March 1		19 84
his permit co	vering the	well o	perato	r and wel	l locatio	n shown	below is evid	dence of	nermission grant	Dat ed to drill in accordan	e	
	,000 00 0110	COMM	THOMS C	Unitamieu	nerenn a	na on the	e reverse nere	OT Noti	fication must be	given to the District Of	1 1 1	4 475 6 .
No. 8) Prior to istrict oil and	, me cons	uuuu	11 UL 1U	aus. Iucai	ions and	i duis tor	anv nermille	a work i	n addition, the w	ell operator or his con	tractor shall not	ify the proper
ne permitted everse hereof.	work is as	descri	ibed in	the Notic	e and A	pplication	n, plat, and r	eclamatio	on plan, subject t	o any modifications ar	nd conditions sp	ecified on the
ermit expires			Ma	arch 1	4, 19	986	unla	ee well we				
							ume	35 MCII W(ork is commenced	prior to that date and	prosecuted with	due diligence.
Dond.			,T_	T								
Bond:	_	ent:	l P	lat:	Casin	i i	Fee			_		•
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										inistrator, Office of O	il and Co	
OTE: Keep	one copy	of this	s permi	posted a	t the dr	illing loc	ation.		// Adii	mistrator, Office of O	n and Gas	
									V			File
			See t	he reverse	side of	the APF	PLICANT'S	COPY fo	r instructions to	the well operator.		