





IV-35 (Rev 8-81)

OIL & GAS DIVISION

DEPT. of MINES State of West Wirginia

Pepartment of Mines Gil and Gas Pivision

Date	October 31, 1984	-
Operat	or's lo. Barnett #2	
Farm	M. S. Barnett	
API No	. 47 _ 105 _ 1150	

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Casing Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7	Used in Drilling	Left	Cement fill up
Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7	Drilling	in Well	fill up
Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7	Drilling	in Well	fill up
Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7	Drilling	in Well	fill up
Tubing Size 20-16 Cond. 13-10" 9 5/8 8 5/8 7			
Size 20-16 Cond. 13-10" 9 5/8 8 5/8	314	314	
Cond. 13-10" 9 5/8 8 5/8 7	314	314	
13-10" 9 5/8 8 5/8 7	314	314	8
9 5/8 8 5/8 7			130 sks
8 5/8 7		ı	
7			
	2983	2983	210 sks
5 1/2			
4 1/2			
3			
2			
Liners			
used			
<u> </u>			
ıe	Dep	th294	6 feet
otary_X	/ Cabl	e Tools_	
Salt_204	feet_		37 -
Is coal	being min	ed in the	area?
Pa	y zone dep	th_ 2946	5feet
Oil: In	itial open	flow $\sqrt{2}$	Bbl/d
Fi	nal open f	lowN	/A Z Bbl/d
measure	ment) afte	<u>r 24</u> hou	ırs shut ir
Pa	y zone deg	oth	feet
0:1. To	itial oper	flow	Bbl/c
OTT: III			
Oil: Fi	inal tests		
	Salt 204 Is coal Par Oil: In Final and for measure Par Oil: In	Salt 2040 feet Is coal being min Pay zone dep Oil: Initial open Final open f ial and final tests measurement) after Pay zone dep Oil: Initial open	Depth 294 otary X / Cable Tools Salt 2040 feet Is coal being mined in the Pay zone depth 2946 Oil: Initial open flow N ial and final tests how e measurement) after 24 how Pay zone depth Oil: Initial open flow Pay zone depth Oil: Final open flow Oil: Final open flow

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

Perforation Depths: 8- .49 holes from 2943 to 2946

Fractured by Dowell/schlumberger

Material: 12 bbl 15% HCL Acid treated with A-200, W-22, L-53, U-42

.

250 # J-266 (gel), treated with W-22, 1-53, f-78

10,000 # 80/100 sand, 20,000 # 20/40 sand

180,000 Standard Cubic Feet of Nitrogen Gas Average treatment pressure: 2040psi Average treatment rate: 4.9MSCF/minute

Average fluid rate: 20.16BBL/min

Total Fluid: 685BBL

WELL LOG

				REMAR			
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including and salt				
Clay	0	. 70			•		
Sand	70	190	Fresh	water			
Slate & Shells	190	572					
Pink rock	572	. 746			•	•	
Sand	746	951				•	
Big red rock	951	1172		•			
Slate & Shells	1172	1241					_
Big Dunkard	1241	1256				•	•
Siltstone: md gray	1256	1440	•				
Sandstone: lt gray	1440	1472					
lst Salt sand	1472	1568					
Siltstone: drk gray	1568	1604					٠. ^
2nd Salt Sand	1604	1634		÷		,	
Siltstone: drk gray	1634	1790					
3rd Salt sand	1790	1854				•	•
Siltstone: md gray	1854	1920					,
Shale: md gray	1920	1952	_				
Maxton Sandstone 1t tan	1952	2044	Salt '	water		•	
Big lime: gray/tan	2044	2134					
Big Injun sand lt gray/ta	n 2134	2178	Show	qas			
Limestone: gray/tan	2178	2201		-			
Squaw Sand: 1t tan	2201	2212				,	
Sandstone: md gray	2212	2230					
Shale: drk gray	2230	2260					
Siltstone: drk gray	2260	2310					
Shale: md gray	2310	2410	-				
Siltstone: md gray	2410	2581					
Brerea Sand: brown shale	2581	2582					
Shale: drk gray	2582	2650					
Siltstone: lt gray	2650	2673					,
Fifty foot sand: It gray	2673	2684					
Siltstone: lt gray	2684	2800					
Shale: drk gray	2800	2910					
Siltstone drk gray	2910	2946				•	
Gorden_Sandstone	2946	2954	Show O	il & a	as	, *** · *	
Siltstone: drk gray	2954	3037		· 3			•
52 W 52 W 7		Complete Spring State of the Control of State of Spring Sp					Edo
		į į			20	37.	

(Attach separate sheets as necessary)

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 and, encountered in the drilling of a well."



1)	Date:	Ju	lul	8	19_8	4	
2)	Operator's Well No.		RADI	سر میرم از ه		T.	7
	Well No	<u>.</u>	DARI	VE 6		7.	(Contractor)
2)	A 707 337 11 NV.	47	Inc-	775	: n		

County

Permit

State

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

	And the second s			<u>A</u>	PPLICA	TION FOR A WEI	LL WORK PERMIT	Annual Control of the		***
4) WELLT	ZDD. A C	oil6	/ / G	ä.,		engagina eway najira	- 97 8 45 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -		and the second	
4) WELLI		If "Gas".			in the second	/ Underground	All Agents for Name Williams	randration (Maria Brights)	0 / Ob. No.	
5) LOCATI		evation:	1142	7		Watershed: _	STRAIGH 7	FORK	」/ Shallow よた。	398
		strict: 🔏	SUYN	ING	SPRI	MGSCounty:	WIRT	Quadrangle:	MACFA	RLAN_
6) WELL O	PERATOR.	NO	134	LSCI	4	2/32	7) DESIGNATEI	AGENT	E. B	usch
Addre	SS	BRC	HAR	D_{j}	<u> </u>	26138	Address	BRO	HARD	, WY 261
8) OIL&G		The state of the s					9) DRILLING C	ONTRACTOR:		
	<u>ome k</u>	4	ough		7	2-1	Name	AUGHT,	INE	
Addre	ss <u>LIN</u>	DEN ONEV	Kr		WV	<u>3 </u>	Address	SMITHY	ILLE	NV_
0) PROPOS	ED WELL	WORK:	Drill	<u> </u>	_/ Dril	l deeper	/ Redrill	/ Stimulate	<u> </u>	
•			Plug of	ff old	formatio	n/ Perfo	rate new formation			
			Other p	hysical	change i	in well (specify)				15)(W15
i) GEOLOG	ICAL TAR	GET FOR	MATION	, _ <i></i>	MAR	CELLUS	SHALE	***************************************	1	
12) Estin	ated depth	of complet	ed well,		55	<i>OO</i> feet		_		G 4 4004
13) Appr	oximate tra	ta depths:	Fresh	24z,	121	feet; sal	t, <u>/900</u>	2feet.	AUG	3 1 1984
14) Appr	oximate coa	ıl seam dep	ths:		ON	Is co	oal being mined in the	e area? Yes	/ No_	-XIVIGIA
5) CASING	AND TUB	ING PRO	GRAM					,	OIL &	THO DIVISIO
CASING OR TUBING TYPE		SPEC	IFICATION	S		FOOTAGE	INTERVALS	CEMENT FILL-UP	T PAC	www MIN
IUDING IIFE	Size	Grade	Weight per ft.	New	Used	For drilling	Lest in well	OR SACKS (Cubic feet)	-	
Conductor									Kinds	
resh water	10"			1		325	325	50-3/2	127S	NEAT
Coal									Sizes	
ntermediate	70			X	ļ	2300	2300	100 5Ks		
roduction	4/2			X		5500	5500	350 sks	Depths set _	
ubing					1		1.0	or as a	gure	d by rus
iners					ļ				Prforations:	15.
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						OFFICE LICE	ONE W			
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						DRILLING PE	CECTABLE		1,1400	
ermit number	47	-105-1	150		***************************************			Septemb	er 13,	19 84
								Dat	te into de la	
his permit co	ering the w	ell operate	or and wel	Il location	on show	n below is evidence	of permission grant	ed to drill in accordan	ice with the pe	ertinent legal re-
irements sub	ect to the c	onditions	contained	herein a	and on the	ne reverse hereof. N	otification must be g	given to the District Oi ell operator or his con	il and Gas Insp	pector, (Refer to
strict oil and	gas inspecto	or 24 hours	s before a	ctual pe	ermitted	work has commence	ed.)	ch operator of his con	mactor shall in	outy the proper
. 17								o any modifications a	nd conditions	specified on the
verse hereof.		20011000 11.	1110 11001		.ppca	on, plan, and reciant	acron plan, subject t	o any mounteations a	na conditions	specifica on the
ermit expires	Se	ptembe	r 13,	1986)	unless wel	l work is commenced	prior to that date and	prosecuted wi	th due diligence.
								•	.	45.30
Bond: 26	Agen	ı:. 4	Plat:	Casir	ng	Fee		3		
BLANKET	//		w/h	- 0	- l	ı	400	encome commence when remove a size of the second of the second of the second of		7.44
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							Agen	inistrator, Office of C	il and Gas	17%
OTE: Keep	one copy of	this perm	it posted	at the d	Irilling lo	cation.		,		White_
										File