

rv-35	
Rev 8-81)	ن ور در اولا

Date	October 23, 1984
Operat	
Well N	O. <u>JK-1051</u>
Farm_	McCullough

API No. 47 - 095 - 1090

(Continue on reverse side)

OCT 2 4 1984

State of Mest Birginia Bepartment of Mines Gil und Cas Bivision

DEPT. OF MINES

WELL OPERATOR'S REPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE	E: Oil/ (If "Gas	Gas _x / Li ," Production	iquid Injec n_x_/ Under	tion	/ Wast nd Storag	e Disposal e/ Deep	/ / Sha	llow_x_/)
LOCATION:	: Elevation	: 1215	Watershed	l i	Mudlick R	un		
		Centerville					Pennsbo	oro 7-5'
OMPANY_	J&J Enter	prises, Inc.						
ADDRESS_	P.O. Box 48,	Buckhannon, W	V 26201	_	Casing	Used in	Left	Cement
DESIGNAT	ED AGENT Ric	hard Reddeclif	f	_	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS È	.O. Box 48, 1	Buckhannon, WV	26201	_	Size			
		McCullough		_	20-16 Cond.			
-		k Road, Parker			13-10"	30	30	0 sks.
		Alfred Ferre			9 5/8			<u> </u>
		errebee 61-U, Weirton			8 5/8	1760.65	1760.65	450 sks.
		OR FOR THIS W			7			
		SS Gen. Del. M	26	149	5 1/2			
		13/84		<u>-</u>	4 1/2	5145	5145	26 5 sks.
	COMMENCED_			_	3		<u> </u>	
	COMPLETED_				2			
CONTINUC	US PROGRESS	GGING OF DRY ION FROM DRII PERMISSION OF	LLING OR		Liners used .			
GEOLOGIC	CAL TARGET F	ORMATION	Devon	ian S	hale	Dep	oth	feet
Dep	oth of comple	eted well	5617 f e	et	Rotary ;		e Tools_	
Wat	er strata đ	epth: Fresh	500 f e	et;	Salt	feet	•	
Coa	al seam dept	hs: None			Is coal	being mir	ed in the	e area? No
OPEN FLO	OW DATA			_				
Pro	oducing form	ation Alex	kander		Pa	y zone deg	oth 5360-	66 feet
Gas	s: Initial	open flow	Mci	E/a	Oil: Ir	itial cper	n flow	Ebl/d
Combi	ined Final op	en flow 1,	347 Mc1	E/a	F	inal open :	Elow	Bb1/d
	Tim	e of open fl	ow between	init	ial and f	final test	s 4 h	ours
St	atic rock pr	essur e 1700	psig(s	urfac	æ measure	ement) afti	er 96 ho	urs shut ii
		e due to mult					4673-	
Se	coming production	ing formation	Benson &	Ril	.ey Pa	ay zone de	pth	feet
Ga	s: Initial	open flow_	Mc	f/d	Oil: I	nitial ope	n flow	Eb1/c
	Final of	en flow	Mc	f/d	Oil: F	inal open	flow	Bb1/c
		me of open fl						
St	atic rock p	ressur e	psig(su	rfac	e measure	ment) afte	rhc	urs shut i

FORM IV-35 (REVERSE)

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

Alexander: Perforations: 5360-66 (14 holes)

Fracturing: 400 sks. 20/40 sand: 508 Bbls. fluid.

Benson: Perforations: 5069.5-71.5 (8 holes)

Fracturing: 350 sks. 20/40 sand:500 gal. acid: 442 Bbls. fluid.

Riley: Perforations: 4673-77(4 holes)4684-85 (5 holes) 4700-01 (5 holes)

Fracturing: 350 sks. 20/40 sand: 500 gal. acid:510 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS $\frac{1}{1}$ $\frac{1}{1}$ =0.000034 Pf=1700 x 2.72 (0.000034) (0.661) (5011) (0.9) = 1700 x 2.72 $\frac{0.1}{1}$ =1700 x 1.1 Pf=1870 psi

WELL LOG

	W	ELL LOG	
	1		REMARKS
FORMATION COLOR HAPD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all for
			and salt water, coal, oil and
Red rock & shale	0	70	
Sand, shale & red rock	70	200	Damp @ 500'
Sand	200	235	
Sand, shale & red rock	235	2085	Gas ck @ 2389 No show
Big Lime	2085	2150	
Big Injun	2150	2250	Gas ck @2602 No show
Sand & shale	2250	4673	
Riley	4673	4685	Gas ck @ 3619 No show
Sand & shale	4685	5069	
Benson	5069.5	5071.5	Gas ck @ 4757 No show
Sand & shale	5071.5	5360	
Alexander	5360	5366	Gas ck @ 5129 40/10-1" w/wa
Sand & shale	5366	5617	47,629 cu.ft.
		T.D.	
			Gas ck @ 5496 34/10-1" w/wa
			43,782 cu.ft.
			Gas ck @ collars 16/10-1" w wate:
			30,123
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(Attach separate sheets as necessary)

J	&J Enterprises, Inc.	
Well	Operator	
By:		Robert Dahlin-
Date:	10/23/84	Geologist

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 in the drilling of a well."



1)	Date:	AUGU	ST 9	1	9 84
2)	Operator's Well No	UK-1	051		1. 12
3)	API Well No.	47 -	095 -	1090	
		State	Cour	nty	Permit

File

				DEP	ARTMI	STATE OF WEST ENT OF MINES, OI	VIRGINIA L AND GAS DIVIS	ION		
	and the second second second second		MILES THE RESERVE TO THE RESERVE TO		APPLIC	ATION FOR A WE	LL WORK PERMIT	The second secon	er er en	
4) WELL T	YPE: A	Oil		as	<u>X</u>	r de Albin Ber	Mazoo e .	· PALL TANKE	<i>y</i>	
5) LOCATION		If "Gas", evation: _		on 215'	X	/ Underground		Deep	Shallow	v _X
) LOCATI		istrict:	CENTE		l F	Watershed: _	<u>MUDLICK RU</u> TYLER		PENNISE OF	
6) WELL O	PERATOR					County:		Quadrangle: _ DAGENT RICHAR		
Addre	ss	P.O.	BOY 48				Address		<u>D FI. KE.DI</u> OX 48	JECT114
			AMNON.		2620	1	71441033		MNON. WV	26201
8) OIL & G				IFIED			9) DRILLING CO		MICH N	20201
Name		ROBER		HER_			Name	S.W. JACK D	RILLING (20.
Addres	ss	GENERA		IVER	-	2.44	Address	P.O. B	OX 48	
		MIDDLI		E, W	V 26	149		BUCKHA	NON, WV	26201
10) PROPOS	ED WELL	WORK:	Drill	X	/ Dri		/ Redrill	/ Stimulate	<u></u>	1
•							rate new formation		0) 2 (C)	EIME
11) GEOLOG	ICAI TAD	CET FOR				in well (specify)				3006
12) Estim					95 '					
13) Appro		_)' i	feet; salt			AUG	1 7 1984
14) Appro						,	al being mined in the	feet.	OH. #. G	:46 AUTOTO
15) CASING						15 00	at being mined in the			:ASXDIVISION
CASING OR	H	SPEC	IFICATION	S		FOOTAGE	NTERVALS			of MINE
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	1	CEMENT FILL-UP OR SACKS	PAC	KERS
Conductor	11 3/4	H-40		X	1	495 4	Left in well	(Cubic feet)	sur	1 1/2
Fresh water	85/8	ERW	23	X		1815'	1815'	TO SURFACE	Mose y	face NE
Coal	85/8	ERW	23	X		1815'	1815'	TO SURFACE	Sizes	
Intermediate								TO SOM ACL	31263	
Production	41/2	J-55	10.5	X		5950'	5950'	350 SACKS	Depths set	
Tubing								OR AS REOL		RULE 15-01
Liners	 				 				Perforations:	130-66-10-0
								18.2	Тор	Bottom
-	 									
	! 			<u> </u>	<u> </u>		<u> </u>			
				retires:	**************************************	OFFICE USE C	NII V	· · · · · · · · · · · · · · · · · · ·		1 10 24
	·					DRILLING PE				
D	47-	095-10	100	¢ =			KWII I		₩ ₃ 4 -	A1 142 - 125 -
Permit number_	47-	093-10	190				***************************************	Septembe	er 13,	19 84
This permit cove	ring the we	ll operator	r and well	locatio	n chau	. halaniii		Date	1 2 2 4 1	
quirements subje	ct to the co	nditions c	ontained	herein a	nd on th	i below is evidence of the reverse hereof. No	tification must be give	to drill in accordance to the District Oil	e with the per	tinent legal re-
No. 8) Prior to the	he construc	tion of ros	ds, locati	ons and	pits for	any permitted work.	In addition, the wel	en to the District Oil l operator or his cont	and Gas inspe ractor shall no	ctor, (Reter to
_	-			, p		TOTA MAS COMMINENCE	i. <i>j</i>		***	2.1
reverse hereof.	ork is as de	scribed in	the Notice	and A	pplicatio	on, plat, and reclama	tion plan, subject to	any modifications an	d conditions s	pecified on the
Permit expires _	_	tember							*.	•
						unicss wen	work is commenced p	rior to that date and p	rosecuted with	ı due diligence.
Bond:	Agent	UP	lat:	Casin	. T	Fac			, , , , , , , , , , , , , , , , , , ,	er en en ge
BLANKET		1 n		1	٠,	Fee				
80		0 //	JH I	mr	1 /	180		, 1 ;	/	e di
			186 -				1 Jarga	ret I. N	assi	3.
NOTE. V						The control of the co		istrator, Office of Oi	and Gas	7.
NOTE: Keep or	ie copy of t	ınıs permit	posted a	t the dr	illing loc	ation.	(/			