

Date:	Bov. 9			19_	81
Operat	-	- 502	.•		•
well N	ں	-582	•		

API Well No. 47 - 095 - 0956 Permit STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REFORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	WELL TYPE: 0	11	_/ 38	s	/ =	1quid	Injection	Waste D:	.sposal	
						_				Shallow()
								Middle Isl		
	•									West Union 7.5'
	WELL OPERATOR	J	& J	Enterp	rise	s, I	nc.	DESIGNATED AGE	James R	. Willett
	Address		P.O.	Box 4	18			Address	P.O.	Box 48
			Buc	khanno	on, W	V 26	201		Bucl	channon, WV 26201
		P1:	ig off	old fo	rmati chang	e in	/ Perfora	te new format	ien/	oture or stimulate X
									PECTOR FOR THE	
	(IF APPLICAB CONTINU	CUS PRO	GRESSI	ON FROM	CORT	LING	OR		lip L. Trac	Y
						TAIN	ED.	Address		
						716	·		Alma, W	
										0-95 feet
					151	0	_		able Tools	
•							et; salt,		N.	
			· -						the area: N	
	work wa	s comme	ncea _		3/22		, 19_81,	and completed	10/2/	, 19 <u>81</u>
	CASING AND T	UBING B	ROGRAI	1						• .
	CASING OR TUBING TYPE	!! 1	1 1	FICATI Weight	t	1	FOOTAGE		08 54045	PACKERS
	Conductor					USec	for irilling	29	(Cubic feet) O sks.	•
	Fresh water				T	 	1		365 sks.	Kinds
		8 / 8 8 ⁵ /8			X	 	1		•	
	Ccal Intermediate	11 1	ERW	23	×	 	1150.65	1150.65	365 sks.	27568
	Production		T_5	10.5			5041.30	5041.30	175 sks	Decths set
	Tubing	7.2	<u> </u>	10.5			3041.30	3012.30		
	Liners					1				Perforations:
					T	 	1818(CENVI	S D	Top Bostom
					 			3300		4508 4546
					 	<u> </u>	N	фv 1 2 1981		4940 4944
		H	<u></u>	L		-		AND GAS DIVIS	SION	1 -3-103-1-
	OPEN FLOW DA	ng form			Mark Market				Pay zone dept	h 4940-44 :•••
	•								open flow, _	361/d 361/d
	COMBINED	Fin			6	_			sts, <u>4</u> hour	
	S-	2-10 -0							after 96 ho	
						•	etion]		:R	/413 344 Lii
								26	Pay tone dent	4508-46
										361/4
	-									251/4
		. =-							its, hous	
bi=bM6va	53		ok pre	ssure,		;	psig (surface	measurement)	after ho	ours shut in
Pw=1575	G=0.676 L=4	743 S	=0.9	t=60 ·	+ (0	.007	5 x 5041) +	459.7 =557.	$5 x = \overline{29737} = 0$.0000336
Pf=1575 Pf=1736	x 2.72 0.00	00336	0.67	6 47	43 (0.9	=1575 x 2.7	2 0.097 =15	75 x 1:102	DEC 4 1991

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STUTULATING, PHYSICAL THANGE, ETC.

Benson: Perforations: 4940-44 (13 holes)

Fracturing; 100 sks. 80/100 sand; 500 sks. 20/40 sand: 500 gal. Acid: 600 Bbls. fluid.

Riley; Perforations: 4508-46 (13 holes)

Fracturing: 100 sks. 80/100 sand: 300 sks. 20/40 sand: 500 gal. Acid: 500 Bbls. fluid.

WELL 100

		Hard or Soft		Bottom.	Remarks Including indication of all freen
	Color	Soft	Tic Feet	Fee:	and salt water, scal, sil and gas
Soil		l	0	3	
Sand			3	5	
Red Rock	1	ŀ	5	24	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Sand, shale & red r	:фck		24	102	Damp @ 380'
Gray sand		1	102	230	Damp @ 850'
Red rock, sand, & s			230	265	· -
Red rock, sand & sh			265	305	Wet @ 1510'
Red rock, sand & sh	ale	1	305	480	1
lst Lime		İ	480	535	14" stream @ 1894'
Sand, shale & red'r		İ	535	592	Gas ck. @ 2824 5/10-1 w/water
Sand, shale & red r	φck		592	765	4,209 cu.ft.
Sand & shale			765	810	
Sand, shale & red r	ock		810	870	Gas ck @ 4917 15/10-1 w/water
Shale & red rock			870	1020	7,530 cu.ft.
. Sand & shale	1		1020	1495	
Maxton sand			1495	1565	Gas ck @ 5058 134/10-½" w/water
Sand & shale		·	1565	1890	22,200 cu.ft.
Big Lime			1890	1970	
<u> I</u> njun	į		1970	2070	•
Sand & shale			2070	4508	
Riley			4508	4546 .	
Sand & shale	1		4546	4920	
Benson			4920	4944	
Sand & shale			4944	5210	
Alexander		329° A	5210	5295	
Sand & shale		W:a	5296	5430	
				T.D.	
	1			1.5.	
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•		taka marangan salah sala	و ميل ه		•
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•					
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(Accach separate sheets to complete as necessary)

	J & J Enterprises	, Inc.
491	il Operation	7
3y _	De note	6n
Its .	Peter Battles	Geologist

NOTE: Regulation 2.32(6) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including sock, encountered in the drilling of a well."

FCRM IV-2 (Obverse) DEPARTME

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

Date:	September	6	، انج درا ^ی از و <u>ــــــ</u>	ື19_ <u>8</u>	1]
Operat	oris				

[08-78]	OIL AND GAS WELL	PERMIT APPLICATION	Operator's Well No. <u>J-582</u>
WELL MYDE.			API Well No. 47 - 095 0956 State County Perm
WELL TIPE:	011/ Gas _X /		· •
T.00.	(If "Gas", Production X / Undergro	ound storage/	Deep/ Shallow X/)
LUCATION:	Elevation: 1028 Watershed	: Middle Island	Creek
	District: Centerville County:	Tyler Quad	drangle: West Union 7.5'
WELL OPERAT	TOR J & J Enterprises, Inc.		
Addres	P. O. Box 48	Address	D C Por 40
	Buckhannon, WV 26201		
077 4 510			Buckhannon, WV 26201
OIL & GAS ROYALTY OWN	ER Jay & Mary Collins	COAL OPERATOR	None
	s 180 Collins Drive		none
	Follansbee, WV 26037		•
Acreag	e <u>74.96</u>	COAL OWNER(S) WI	TH DECLARATION ON RECORD:
	s 180 Collins Drive		Mary Collins
	Follansbee, WV 26037		180 Collins Drive
	e 74.96		Follansbee, WV 26037
	(1F MADE) TO:	Name	
	Unknown	Address	*
	s		
			DECLARATION ON RECORD:
DIL & GAS 11	NSPECTOR TO BE NOTIFIED	Name No	1 m t 1 ms \ t m 1 ms \ 10 - \ t f 1 ms \ 10 - \ 10
	illip L. Tracy	Address	
	s Rt. #3		OCT 7 4 1981
	Alma, WV 26320		OIL AND GAS DIVISION WY DEPARTMENT OF MINES
Ti	he undersigned well operator is entitled	to operate for oil	or gas purnoses at the above
location und	der a deed/ lease/ other c	contract X / dated	_March 12 , 19 81 , to the
undersigned	well operator from Petro-Enterp	rises, Inc.	
If said dee	ed, lease, or other contract has been re	corded;]	
Recorded on	March 28 , 19 81, in the office	of the Clerk of the	County Commission of Twlor
County, West	Virginia, in <u>Deed</u> Book <u>119</u>	at page 602	A permit is requested as follows:
PROPOSE	ED WORK: Drill X / Drill deeper /	Redrill/ Fract	ure or stimulate y /
	Plug off old formation/	Perforate new forma	tion /
	Other physical change in well		
	planned as shown on the work		e side hereof
Th	ne above named coal operator, coal owner	(s), and coal lessee	are hereby notified that are
blection th	ney wish to make or are required to make	by Code \$ 22-4-3 mu	st be filed with the Deportment
f Mines wit	thin fifteen (15) days after the receipt	of this Application	by the Department
Co	opies of this Permit Application and the	enclosed plat and re	eclamation plan have been median
y registere	ed mail or delivered by hand to the abov	e named coal operato	r. coal owner(s) and accept mailed
n or before	the day of the mailing or delivery of	this Permit Applicat	ion to the Department of Manager
	West Virginia.		en do one peparement of mines at

LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:

ECT VIRGINIA OIL AND GAS CONSERVATION COMMISSION 615 WASHINGTON STREET EAST HARLESTON, WV 25311

ELEPHONE: (304) 348-3092

J & J Enterprises, Inc.
Well Coerator

Peter Battles

Its _____ Geologist___

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PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CON	TRACTO	R (IF	KNOWN)	S	W Ja	ck Drillin	T.Co.	•	
Ý						P. O. Box			
						Buckhannon			
GEOLOGICAL T	ARCET	FORMATI	TON	λ Ι					•
							_	<u> </u>	
Approx1	mate w	oton s	t make d	ea we	11, _	5400	_ feet	Rotary X /	Cable tools/
								1450 feet.	•
npprox1		oar se	am dept.		85	<u> </u>	coal being mi	ned in the area	? Yes/ No_X
CASING AND T	UBING	PROGRA	М				. ••		****
CASING OR TUBING TYPE			IFICATI Weight	–		FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	113/4	H-40		х		30	0	0 sks	
Fresh water	85/8	ERW	23	Х		1500	1500	To surface	
Coal	8 ⁵ /8	ERW	23	х		1500	1500	To surface	
Intermediate									
Production	$4^{\perp}/2$	J-55	10.5	x		5350	5350	375 gkg	Depths set
Tubing							~~~	3/3 SKS	3000113 300
Liners	. •								Perforations:
		-							•
									Top Bott
								·	
by Re there appli previ the co 200 fe All provi of the V for	gulation of the cable cable cousty posent of the cable	other to the paid or require the present of such of su	(ii) a securi reclament the securi reclament the security of t	bond ty al ation ime w ode (well. IN-12 form in ber permil	in o lowed requell, 22-4 2 shall WE WE IV-2 J	epartment, acone of the fore of the fore of the fore it connects the fee required and the fee required and the fee required and the filed in connects 22, expire it	companied by ms prescribed -4-2, (iii) F \$ 22-4-12b an red by Code \$ owner of any the work for the work for	by Regulation form IV-9, "Reclid Regulation 23 22-4-12a, and water well or deturing or stimu	he form prescribed 12, or in lieu mation Plan", (iv) unless (v) if amplicable, welling within
7	01			7 10	K	•			
Th or	e foll coal	owing i lessee	wno na.	nust s rec	be co.	mpleted by the a declaration (15) days of	n undan Cada	or and by any c § 22-4-20, if the of:	nal owner he permit
<u>,,</u> ,,,,						WAIVE	<u>R</u>		
well location has the work pro	examing, the posed	ned th: well to be o	done at	osed n has this	well been	location. If added to the	a mine map e mine man. T		coal under this we ers the area of th nas no objection to olied with all
Date:		•	. 19			-			
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