



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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November	19,	1986	-
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J-12	75		
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	s J-12	J-1275	J-1275 enour.

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

IL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Undergrou	/ Waste	Disposal Deep	/ Shall	low _x /)
(If "Gas," Production A)		and the second s		
CATION: Elevation: 1530 Watershed Fla	g Run	nedramie	Thornton	
District: Knottsville County Tayl	Or	Manayie	11102110011	
Total Table Total				
DOMPANY J&J Enterprises, Inc. DDRFSS P.O. Box 48, Buckhannon, WV 26201	Cacina	Used in	Teft	Cement
	Casing	Drilling		fill up Cu. ft.
P.O. Box 48, Buckhannon, WV 26201	Tubing	DITTITIO	111 46011	
	Size 20-16			
SURFACE OWNER Kenneth Ridenour	Com.	1		
ADDRESS Rt. 1, Box 397, Grafton, WV 26354	13-10"	30	0	0 sks.
INERAL RIGHTS OWNER Same as surface	9 5/8			1.
ADDRESS	8 5/8	1094.65	1094.65	240 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Donald	7			
Ellis ADDRESS 2604 Crab Apple Lane	5 1/2			
PERMIT ISSUED 7/22/86	4 1/2	5200.20	5200.20	750 sks.
DRILLING COMMENCED 9/19/86	3			
DRILLING COMPLETED 9/27/86	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			_
REWORKING. VERBAL PERMISSION OBTAINED	us ed -			
CN	2	~	pth	fee
GEOLOGICAL TARGET FORMATION Haverty				
Depth of completed well 5271 feet	Rotary	/ Can	ie ionz	
Water strata depth: Fresh 90,670 feet	; Salt	o tes	:	L
Coal seam depths: 190 - 193	Is coa	l being mi	ined in t	ne area:
OPEN FLOW DATA		4		•
Producing formation Elks	I	ay zone de	epth 511	_{l-13} fee
Gas: Initial open flow Mcf/d	Oil:	Initial op	en flow_	Bbl
Final open flow 712 Mcf/d		Final open	flow	Bb1
Time of open flow between in	.i+ial and	final tes	ts 4	hours
Time of open flow between in		rement) af	ter · }	ours shut
Static rock pressure psig(sur	 Cace lieasu	reienc, ca		
(If applicable due to multiple complete	ion)	D-10		4-36 6-88' f e
Second producing formation Benson & Ril	ey	ray zone c	Epul To	Rhi
	- Oile	minar d	en ilow_	ديدر
Gas: Initial open flow Mcf/	a om:		~9	20 L 3
Gas: Initial open flow Mcf/	d Oil:	Final oper	n flow	BDI
Gas: Initial open flow Mcf/ Final open flow Mcf/ Time of open flow between i	d Oil: nitial and	Final oper I final te	n flow sts	hours
Gas: Initial open flow Mcf/	d Oil: nitial and	Final oper I final te	n flow sts	hours

(REVERSE)

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

Elks: Perforations: 5111 - 13 (12 holes)
Fracturing: 300 sks. 20/40 sand: 500 gal. acid:

Benson: Perforations: 4534-36 (10 holes)

Fracturing: 525 sks. 20/40 sand: 500 gal. acid.

Riley: Perforations: • 4111-88 (11 holes) Fracturing: 400 sks. 20/40 sand:

BOTTOM HOLE PRESSURE PweXGLS

 $t=60 + (0.0075 \times 5200) + 459.7 = 558 \times \overline{53.35 \times 559} = 29807. = 0.000034 Pf=1475 x 2.72$

 $0.1 = 1475 \times 1.1$ (0.000034) (0.680) (4612) (0.9) $= 1475 \times 2.72$

Pf= 1623 psi

PI= 1023 PSI	3		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all francische and salt water, coal, oil and
Groung Level	0	10	½" stream @ 90'
Soil, shale & red rock	10	25	
Sand & shale	25	190	½'" stream @ 620'
Coal	190	193	Gas ck @ 1414 No show
Sand, shale & red rock	193	360	
Sand, shale & red rock	360	600	Gas ck @ 1793 No show
Sand & shale	600	740	Gas ck @ 2522 No show
Sand, shale & red rock	740	1160	· ·
Sand	1160	1260	Gas ck @ 2871 No show
. Little lime	1260	1310	Gas ck @ 2997 No show
Shale	1310	1420	
Big Lime	1420	1560	Gas ck @ 3377 4/10-1" w/water
Injun	1560	1610	21.06 cu.ft.
Red rock & shale	1610	1850	•
Sand, shale & red rock	1850	2420	Gas ck:@ 4105 2/10-1" w/water
Brown sand & shale	2420	4095	14.90 cu.ft.
Riley	4095	4115	
Sand & shale	4115	4186	Gas ck @ 4450 2/10-1" w/water
Benson	4186?	4536	. 14.90 cu.ft.
Sand & shale	4536	5111	
Elks	5111	5113	Gas ck @ 4544 30/10-1" w/water
Sand & shale	5113	5271 D.	57.73 cu. ft.
			Gas ck @ 5271 2/10-1" w/water 14.90 cu.ft.
**************************************	oggenomena departement		Gas ck @ collars 2/10-1" w/wate 14.90 cu.ft.
			•
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(Attach separate sheets as necessary)

J&J Enterprises, Inc Well Operator Robert Dahlin - Geologist 11/19/86

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 that, encountered in the drilling of a well."

FORM WW-2(B) (Obverse) 7/85





1)	Date: 24	April	-	, 19	86
2)	Operator's Well No.		J-1275		
3)	API Well No.	47	091 -05	33	
-,		State	County		Permit

STATE OF WEST VIRGINIA

DIVISION OF DEPAREMENT OF ENERGY, OIL AND GAS DIVISION DEPARTMENT OF ENERGYICATION FOR A WELL WORK PERMIT

۵۱	WELL TYP	F. A O	iil	/ Ga	,	Χ ,	•				
77)	WELL III	B (I	f "Gas", F	Production		X	Underground	storage	/ Deep	_/ Shallow .	X/)
5)	LOCATION		vation:		301		Watershed:	Flag	Run		,
٠,		Die	strict. Kr	otts	<i>r</i> ill	e <u>42</u>	County:	Taylor	Quadrangle:	Thorn	
6)	WELL OPE	RATOR	J&J Er	nterpi	rise	S CODE	<u> 24150</u>	7) DESIGNATE	DAGENT Richa	<u>rd Redde</u>	<u>ecliff</u>
٠,	Address	PO	Box 1	48		Inc		Address	PO Box 48		
		Buc	ckhanr	non, I	VV 2	6201			Buckhannon	<u>, WV 26</u>	201
8)	OIL & GAS	INSPEC	TOR TO	BE NOTIF	IED			9) DRILLING C			
	Name	Dor	nald H	Ellis				Name	<u>SW Jack Dr</u>	<u>illing (</u>	Co.
	Address		04 Cra					Address	PO Box 48		
		<u>Fa:</u>	irmont	<u>, WV</u>		54		•	Buckhannon	_ WV 26	201
10)	PROPOSEI	WELL	WORK:	Drill	X	/ Drill	deeper	/ Redrill	/ Stimulate	<u>X</u>	
•	Plug off old formation/ Perforate new formation/										
							vell (specify)				
11)	GEOLOGIC	CAL TAR	GET FOR	MATION.	<u> H</u>	<u>avert:</u>	y 437				***************************************
	12) Estima	ted depth	of complet	ed well,	5	9001	fee				
	13) Approx	cimate trat	ta depths:	Fresh,	65		feet; sa	lt,0	feet.		~ * ~ *
	14) Approx	cimate coa	ıl seam dep	ths: <u>12</u>	<u>) to</u>	<u>450</u>	Is c	oal being mined in th	ne area? Yes	/ No	XX/
15)	CASING A	ND TUB	ING PRO	GRAM							
	SING OR	}	SPEC	IFICATIONS	i		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKI	ERS
TU	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Lest in well	(Cubic feet)		
Conc	ductor	113/	4 H-40	42	X		30	0	0 sks	Kinds	
Fresh	h water	85/8	ERW	23	X		1210	1210	to surfac		<u>er rule</u>
Coal		85/8	ERW	23	X_		1210	1210	to surfac	esizes 15.	05
Inter	mediate								1	RAS RE	QUIRED
Prod	uction	41/2	J-55	10.5	X		5850	5850	50 sks	Depths set D	<u>er rule</u>
Tubi	ng						*:			15.	01
Linc.	i			ļ						Perforations:	
										Тор	Bottom
		·		ļ				`	-	4	
						1		100		11	
						ch.	Don	Eller.	. **		
							FFICE USE				
						D	RILLING P	ERMIT			
Derr	nit number	4	7-091	-0533					Jı	ılv 22	¹⁹ 86
1 (11	ini number								Dat	ie	
This	permit cove	ring the w	vell operate	or and wel	l location	on shown b	elow is evidence	e of permission gran	ited to drill in accordar	nce with the per	tinent legal re-
quir	ements subje	ct to the c	conditions	contained	herein a	ind on the	reverse hereof N	otification must be	given to the District Oil well operator or his cor	and Gas Inspec	tor, (Refer to
¥o.8 distr	 Prior to the rict oil and gr 	e construc as inspecti	tion of ros or 24 hour	ids, locatio s before a	ons and ctual pe	pits for any rmitted wo	r permitted wor rk has commen	ced.)	well operator or his cor	mactor snan no	any the proper
	_								to any modifications a	and conditions s	necified on the
	permitted working rse hereof.	ork is as o	iescribea ir	i the Notic	e and A	тррисанон,	piat, and recia	mation plan, subject	to any mountations a	na conamons s	pecifica on the
	nit expires _	J	uly 2	2, 19	88		unless w	ell work is commenc	ed prior to that date and	prosecuted with	n due diligence.
					~ ,		Ima	0.7	0.1		
1	Bond:	Agent	:: £	lat:	Casi	ng F	ee WPC	SAF	Other		
		ALT	5 /	481	10) 21	40 1	> (80)			
B				~				101	15/20		
**								John L	1 Johns	1000	
NO	TE: Keep o	ne copy o	f this pern	nit posted	at the d	rilling loca	tion.	Di/rector, Di	mision of Oil	and Gasy	/ File
- /				1ha	- oid	f the ADD	LICANT'S (CO)	A shr indications	to the well operator.	アノん	ASSI
			396	ine revers	e side (I THE PARTY	LIUMINI DIVU)	a ror mytructions(:	o syc aca ypquator.		,