



.V-35 Rev 8-81) .

MAY 2 6 1987 Dil und Gas Bivision

Date	5/20/87				
Operator Well No.	'S JK-1302				
Farm	Mattie Dotson Flint				
API No.4	7 _ 095 _ 1171				

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY WELL OPERATOR'S REPORT
OF

WEIL TYPE: Oil / Gas x/ Liquid Injection / Waste Disposal

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Productionx" / Underground 1948 RFK . LOCATION: Elevation: 1052 Watershed .S		e/ beet) / Slia.	110w_x/)
District: Centerville County Tyle		Quadrangle	West Uni	on 7.5
				•
J & J Enterprises, Inc.				
WPANI	Γ	T		Cement
ADDRESS P.O. Box 48, Buckhannon, WV 26201 DESIGNATED AGENT Oliver L. Hawkins, 111	Casing	Used in		fill up
ADDRESS P.O. Box 48, Buckhaonnon, WV 26201	Tubing	Drilling	in Mell	Cu. ft.
SURFACE OWNER Mattie Dotson Flint, etal	Size 20-16			
ADDRESS 7113 Falcon St., Annandale, Va. 22003	Com.			
MINERAL RIGHTS OWNER Same as surface	13-10"	30	0 .	0
ADDRESS	9 5/8	1104	1104	265 -1-
OTT AND CAS TAISPECTION FOR THIS WORK Robert	8 5/8	1184	1184	265 sks.
Gen. Delivery Lowther ADDRESS Middlebourne, WV 26140	7			
PERMIT ISSUED 2/9/87	5 1/2			
DRILLING COMMENCED 2/12/87	4 1/2	5333	5333	280 sks.
DRILLING COMPLETED 2/18/87	3 .			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	used -			
GEOLOGICAL TARGET FORMATION Alexander		Dep	oth 5167-	84 feet
Depth of completed well 5469 feet	Rotary			
Water strata depth: Fresh110,1770 feet;				***************************************
Coal seam depths: None		being mir	ed in the	e area? No
OPEN FLOW DATA	_			1
Producing formation Alexander	Pa	y zone dep	oth 5167-	84 feet
Gas: Initial open flow Mcf/d	Oil: Ir	itial oper	ı flow	Bbl/d
Final open flow 852 Mcf/d	Fi	nal open f	Elow_	Bb1/d
Time of open flow between ini	tial and f	inal tests	5 <u>4</u> b	ours
Static rock pressure 1450 psig(surfa	ce measure	ment) afte	er . 96 ho	urs shut in
(If applicable due to multiple completio	n)		4869-	71
Second producing formation Benson & Rile	ey Pa	ay zone dej	pth 4461-	92. feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d	Oil: F	inal open	flow	Bb1/d
Time of open flow between ini	tial and	final test	sh	ours
Static rock pressurepsig(surface	e measure	ment) afte	rbc	urs shut in
	JUN 1	1987 · Cont	irue on r	reverse side

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

Alexander: Perforations: 5167-84 (13 holes)

Fracturing: 400 sks. 20/40 sand: Foam frac.

Benson: Perforations: 4869-71 (13 hoels)

Fractuirng: 300 sks. 20/40 sand: 500 gal. acid. Riley: Perforations: 4461-92 (14 holes)

Fracturing: 400 sks. 20/40 sand: 500 gal. acid.

Bottom Hole Pressure Pf=PweXGLS $t=60+(0.0075 \times 5333)+459.7 = 560 \times 53.35 \times 560 = 29860 = 0.000033 \text{ Pf}=1450 \times 2.72^{(0.000033)}$ $(0.675)(4823)(0.9) = 1450 \times 2.72^{0.097} = 1450 \times 1.1$

Pf= 1595

WELL LOG

-			
· -			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all
			and salt water, coal, oil as
KB	0	10	
Sand & shale	10	220	½" stream @ 110'
Red rock	220	285	,\
Shale & sand	285	· 370	½" stream @ 1770'
Sand & shale	370	470	
Sand	470	505	Gas ck @ 1998 No show
Sand & shale	505	550	
Sanđ	550	600	- Gas ck @ 4474 No show
Shale & red rock	600	685	
Sand	685	730	Gas ck @ 5162 No show
Sand & shale	730	780	
Sand	780	800	
Sand & shale	800	820	
Red rock	820	850	
Sand, shale & red rock	850	930	
Sand & shale	930	1185	Mark Manager
Sand	1185	1200	NECESIANIEM
Sand & shale	1200	1335	MESOCI
Sand	1335	1360	MAY 26 1987
Shale ·	1360	1420	MAY 26 1987
Sand	1420	1535	DIVISION OF OIL & GAS
Sand & shale	1335	1830	DEPARTMENT OF ENERGY
Big Lime & Injun	1830	2000	WILMITIAL OF EINERGA
Sand & shale	2000	2215	• •
Sand & shale	2215	4461	
Riley	4461	4492	·
Sand & shale _	4492	4869	
Benson	4869	4871	•
Sand & shale	4871	5167	
✓Alexander	5167	5184	·
Sand & shale .	5184	5469	
		T.D.	
•			
	1 -		·
•			,

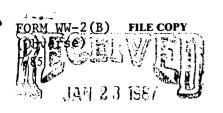
(Attach separate sheets as necessary)

J & J Enterprises, Inc.

Well Operator Robert Dalilin, Geologist 5/20/87

Regulation 2.02(i) provides as follows: Note:

"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:	January	16,	, ₁₉ 87
2) Operator's Well No.		0	
3) API Well		095	1171
-,			

County

Permit

State

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4) WELL TY	PE: A	Oi	l	/ Gas	sX		/ 11-dd		/ Deep	/ Shallow	Y A
				1052		`	Watershed:	Short R		J Silailow	670
5) LOCATIO				enter		e /		Tyler 095		est Uni	on 7.5'
6) WELLOP	FRATO	DIS. DR	Unio	n Dri	llin	g C01	DE: _50550_	7) DESIGNATEI	AGENTIosep	h C. Pe	ettev
Addres	7	0.5	t Of:	fice	Draw	er 4	10	Address	Post Offic	e Drawe	r 40
, radios				ion. I					Buckhannon	, WV 2	26201
8) OIL & GA								9) DRILLING C	ONTRACTOR:		
Name		Ro	bert	Lowt	her			Name	S. W. Jack	Drilli	ing Co.
Addres				l Del				Address	Post Offic		
				ourn					Buckhannon	<u>, WV 2</u>	16201
10) PROPOSI	ED WEI	LLV	VORK:	Drill	Χ	_/ Dril	l deeper	/ Redrill	/ StimulateX		
,				Plug of	f old f	ormatio	n/ Perfo	rate new formation	/		
				Other pl	hysical	change	in well (specify)				
11) GEOLOG	ICAL T	AR	GET FOR	MATION,		<i>!</i>	lexander				
12) Estim	ated dep	oth o	f complete	ed well, 🜊		<u> 54 U</u>)rect	Ĺ			
13) Appr	oximate	trat	a depths:	Fresh,			feet; sal	t,	feet.		
14) Appr	oximate	coal	seam dep	ths:			Is co	oal being mined in th	e area? Yes	/ No_	
15) CASING	AND T	UBI	NG PRO	GRAM						·	
CASING OR	1		SPEC	IFICATIONS	3		FOOTAGE	INTERVALS	CEMENT FILL UP OR SACKS	PAC	KERS
TUBING TYPE	Size	e	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	/) /	
Conductor	11 3	/4	H-40	42	Χ		25028	25028	CTS Ver	Konge T	10,05
Fresh water										<u> </u>	
Coal										Bizes	
Intermediate	8 5	/8	ERW	23	χ		1250	1250	CTS HER		5.05
Production	п		.T-55	10.5			5300	5300	530 SKS 0	Bepths AS	REQUIRED
Tubing	1			1				į			
Liners										Perforations:	
										Тор	Bottom
									<u> </u>		
											46
							OFFICE USE	ONLY			:
							DRILLING P				
			47	-095-1	171				Februar	Q ·	19 87
Permit number								· · · · · · · · · · · · · · · · · · ·	Da	·	17 0.
											!
This permit co	vering th	he w	ell operat	or and we	ll locati	on show	vn below is evidence	e of permission gran	ited to drill in accordar	ice with the p	ertinent legal re-
quirements sub	ject to t	ne c truc	onailious tion of ros	containeu ads. locati	nereni	nits for	r any permitted wor	k. In addition, the	given to the District Oil well operator or his cor	and Gas Inspired	notify the proper
district oil and	gas insp	ecto	or 24 hour	s before a	ctual p	ermitted	work has commend	ced.)			
The permitted	work is	as d	escribed in	n the Notic	e and	Applicat	tion, plat, and reclai	mation plan, subject	to any modifications a	and conditions	specified on the
reverse hereof.				uary 9						*	
Permit expires			rebr	uary >	,		unless we	ell work is commence	ed prior to that date and	prosecuted w	ith due diligence.
								-//-			
Bond:	Age	on t	. ,	Plat:	Caşı	ing	Fee WP.C.	P. V GND	Other		." .
Bolld:	Age	e 11 C	/ 1		W.	7		12451			
		$\underline{\checkmark}$		K77 [10.	/	1362 /	2 1/2) 		
-			•	1	-		167	//	1441		
					_			بير/ب	In State tree	affer	
NOTE: Keep	one cop	ру о	f this perr	nit posted	at the	arılling	location.	Director, Di	vision of 0il	and Gas	File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.