



IV-35 (Rev 8-81) 00T 2 4 1984

DEPT. OF MINES

State of Mest Nirginia

Bepartment of Mines
notion Gas Bivision

Date	October 23	, 1984
Operator		050
Well No.	•	
Farm	Alfred Fe	rrebe e
API No.	47 - 095	- 1091

WELL OPERATOR'S REPORT

OF

DRILLING.	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

IOCATION: Elevation: 982 Watershed Mu	dlick Run			
District: Centerville County Tyler		Quadrangle	Pennsbor	<u> </u>
COMPANY J&J Enterprises, Inc.				
ADDRESS P.O.Box 48. Buckhannon, WV 26201	Casing	Used in	<u> Ieft</u>	Cement
DESIGNATED AGENT Richard Reddecliff	α,	1		Cu. ft.
ADDRESS 'P.O. Box 48, Buckhannon, WV 26201				
SURFACE OWNER Gary McCullough	20-16			
ADDRESS 5141 Bull Creek Rd. Parkersburg, WV26101		35	0	0 sks.
MINERAL RIGHTS OWNER Ferrebee, Rt.1, Box61-U		·		
ADDRESS Weirton, West Va. 26062		1491 15	1491.15	325 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Robert		1491.15	1132123	
Lowther ADDRESS Gen. Del. Middlebourne, WV				
PERMIT ISSUED. 9/13/84 .		5083 10	5983 10	430 sks
DRILLING COMMENCED 10/5/84	3	7 3903.10	3303.10	
DRILLING COMPLETED 10/11/84	Centerville County Tyler Quadrangle Pennsboro Cises, Inc. Casing Used in Left fill up Tubing Drilling in Well Cu. ft. Size 20-16 Cond. Coultough Sek Rd. Parkersburg, WV26101 Alfred Ferrebee C/O Brooks Cerrebee, Rt. 1, Roxfoll 95/8 1491.15 1491.15 325 sks. FOR THIS WORK Robert 7 95/8 1491.15 1491.15 325 sks. Gen. Del. Middlebourne, WV 26104 Cond. Cond. Cond. Size 20-16 Cond. Cond. Size 20-16			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	- :			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED				
CN		<u> </u>	<u>!</u>	
GEOLOGICAL TARGET FORMATION Devonian SI	nale	Der	oth 574	₃₋₉₅ feet
Depth of completed well 5995 feet I	Rotary	x_/ Cab1	e Tools_	
Water strata depth: Fresh 60,201 feet;	Salt	0feet	•	
Coal seam depths: None	Is ∞ al	being mir	ned in th	e area? No
OPEN FLOW DATA				
	Pa	y zone de	oth 5743-	5858 feet
Time of open flow between init	ial and f	inal test	s 4 h	nours
Static rock pressure 1700 psig(surface	e measure	ment) aft	er 96 ho	ours shut in
(If applicable due to multiple completion	ı- -)			
-				
Static rock pressurepsig(surface	e measure	ment) afte	er h	ours shut i
	••••	101		nairana a a d

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

Riley: Perforations: 4423-25 (4 holes) 4435-36(5 holes) 4452-54 (5 holes)

Fracturing: 300 sks. 20/40 sand: 608 Bbls. fluid.

Benson: Perforations: 4823-25(8 holes)

Fracturing:350 sks. 20/40 sand:579 Bbls. fluid.
Alexander: Perforations: 5085-87(4 holes) 5115-21 (10 holes)

Fracturing: 400 sks. 20/40 sand:649 Bbls. fluid.

Devonian Shale: Perforations: 5743-47 (10 holes) 5793-95 (3 holes) 5855-58 (4 holes)

Fracturing: 300 sks. 20/40 sand: 682 Bbls. fluid. Rhinestreet

BOTTOM HOLE PRESSURE PF=PweXGLS $\frac{-}{=30143}$ =0.000033 Pf=1700 x 2.72 (0.000033 $t=60+(0.0075 \times 5983) + 459.7 = 565 \times \overline{53.35 \times 565}$ $(0.661)(5141)(0.9)_{=1700 \times 2.72} = 1700 \times 1.1$ WELL LOG Pf=1870 psi

Pf=1870 psi						
			REMARKS . Including indication of all fr			
FORMATION COLOR HAPD OR SOFT	TOP FEET	BOITCM FEET				
			and salt water,	coal, oil am		
Shale	0	15	1.11 0 60	.1		
Sand	15	110	1" stream @ 60	, •		
Sand, shale & red rock	110	1855	w a a	01.5		
Big Lime	1855	1920	More water @ 2	01.		
Big Injun	1920	2015	G1- A 2070	E0/10 28/		
Sand & shale	2015	4423	Gas ck @ 20/8	50/10-2" w/water		
Riley	4423	4454		298,000 cu.ft.		
Sand & shale	4454	4823	0 1 0 0000	44/10 00 /		
Benson	4823	4825	Gas CK @ 2386	44/10-2" w/water		
Sand & shale	4825	5085	İ	280,000 cu.ft		
Alexander	5085	5121	Gas ck @ 3404	36/10-2" w/wate:		
Sand & shale	5121	5743		253,000 cu.ft.		
Devonian Shale Rhunestreet @ T.D.	5743	5795	· ·	·		
Sand & shale	5795	5995	Gas ck @ 4572	40/10-2" w/wate:		
		T.D.		267,000 cu.ft.		
		Ì				
			Gas ck @ 4882	40/10-2" w/wate		
				267,000 cu.ft.		
•			Gas ck @ 5220	40/10-2" w/wate		
				267,000 cu.ft.		
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(Attach separate sheets as necessary)

J&J Enterprises, bert Dahlin-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 invil, encountered in the drilling of a well."



1)	Date:	AUGUS	T 9		, 1	<u>84 </u>
2)	Operator's Well No	JK-10	50			* #1 22 54
3)	API Well No.	47 -	095	_	1091	
		State	C	Cour	nty	Permit

				DEPA		STATE OF WEST NT OF MINES. O	' VIRGINIA IL AND GAS DIVIS	SION		
TO THE RESIDENCE OF THE PARTY O	***************************************						ELL WORK PERMI			e merendina
) WELLTY	PE: A (Oil	/ G	as X	. :::7	1444 78.286	nothio a ll	er en en en en en en en en en en en en en		
7,-		If "Gas",				· •	d storage		_/. Shallow	ΥΛ
) LOCATIO		evation:	9821		MKXR	_	MIDI TOU		40B1	/)
•	Di	istrict:	CENTE			County:		Quadrangle:		7 5'
) WELL OP						NC.		DAGENT RICHAR		
Address			BOX 48				Address	P.O. B		/LULIII
	-		ANNON.		2620	1	Addicss		NNON, WV	2620?
OIL & GA	S INSPEC						9) DRILLING C		IIIOII , WY	2020:
Name	5 11\ 5 1 2\		T LOWT				Name	C 11 3804	DETLITAC	· co
Address		GENER		IVERY				P.O. B		1 60.
Addiess			EBOURN		26	149	Address		NNON. WV	26201
DD0D00									AIAOIA MA	26201
PROPOSE	D WELL	WORK:	Drill		/ Dri			/ Stimulate_X	==	ے مرب
							orate new formation		DISCO	EM/M/E
										3001
GEOLOGI				, <u>DEV</u>	ONTA	N SHALE			1	
12) Estima	-	•	•	<u>599</u>		fec	• • • • • • • • • • • • • • • • • • • •	•	AUG	1 7 1984
13) Appro		-				232 feet; sa	ılt, <u>N/A</u>	feet.		_
14) Appro				NON	<u> </u>	Is o	coal being mined in th	e area? Yes	OV_NO_	XS DIVISI
CASING A	ND TUB	ING PRO	GRAM					r		of MIN
ASING OR	H	SPEC	IFICATION	s		FOOTAGI	E INTERVALS	CEMENT FILL-UP	PÁCK	CERS
JBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
luctor	11 3/4	H-40	42	X		262 9	2620	O SACKS	CKINTS /	Neat
water	8 5/8		23	ΪΧ̈́		1582'	1582'	TO SURFACE	Terres 7	- 200
	85/8	B ERW	23	X		1582'	1582'	TO SURFACE	Sizes	
mediate	00/0		1 -	1 "		1302	1302	TO SUNTACE	Sizes	,
duction	41	J-55	10.5	Y		5950'	5950'	350 SACKS		
ing	T-2	0-33	10.5	^		3330	3330		Depths set	DILL TE
rs .		 	1	+		1.5		OF AS REQ		RULE 15-
15		 	 						Perforations:	
		 	 	-		 		#	Төр	Bottom
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	<u> </u>	<u> </u>	J			<u> </u>				
										
						OFFICE USE				
				• •		DRILLING P	ERMIT		Ĺ	\$1.0
nit number_	47	7-095-1	091					Septemb	er 13.	19 84
int number		0,5				-		Dat		19
nermit cove	ring the w	ell operato	or and wel	l location	n ehow	n helow is evidence	of permission seems	ed to drill in accordan		
ements subje	ct to the c	onditions	contained	herein ar	nd on the	he reverse hereof. N	otification must be o	iven to the District Oil	and Gos Inspe	tinent legal re
8) Prior to th	e constru	ction of ro	ads, locati	ons and	pits for	any permitted wor	k. In addition, the w	vell operator or his con	tractor shall no	otify the proper
rict oil and ga	as inspecto	or 24 hours	before a	tual per	mitted	work has commend	ced.)			
permitted wo	ork is as d	escribed in	the Notic	e and Ap	plicati	on, plat, and reclar	nation plan, subject	to any modifications as	nd conditions s	pecified on the
rse hereof.										
nit expires _	Se	eptembe	er 13,	1986		unless we	ell work is commenced	prior to that date and	prosecuted with	n due diligence
										was in
ond: 83	Agen		Plat:	Casing	, Т	Fee	•			
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			May 100 11 M				Add	inistrator, Office of O	il and Gas	
TE: Keep or	ne copy of	f this perm	it posted a	at the dri	lling lo	cation.	Agn.	Time of O	n anu Gas	
-										File
	-									

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