



IV-35 (Rev 8-81)



State of Mest Augunia Bepartment of Mines Gil und Gas Phision

Date	September	25,	1984
Operator Well No		361	
Farm	Brown		
API No.	47 - 01	7	3309

WELL OPERATOR'S REPORT

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

FIL TYPE: Oil / Gas $_{ m X}$ / Liquid Injection (If "Gas," Production $_{ m X}$ / Underground	/ Waste nd Storage	e Disposal e/ Deep	/ / Shal	llow _x _/)
OCATION: Elevation: 1118 Watershed A	Branch o	f Straight	Fork	
District: Southwest County Doddri				- a 7 =
DID CLID COLUMN STORY		_		a
OMPANY J&J Enterprises, Inc.				
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
SURFACE OWNER CON Adams Hrs C/O Opal Young	20-16 Cond.			
ADDRESS 102 School St., West Union, WV 26456	13-10"	40	0	0 sks
MINERAL RIGHTS OWNER G.T. Nutter HRs. C/O Alice	9 5/8	40		
ADDRESS Nutter, 2702 Davis Court, Cocoa, Fla. 3292		1828.25	1828.25	375 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Mike	7			and the second second
Underwood ADDRESS Salem, WV 26426	5 1/2			
PERMIT ISSUED 4/12/84	4 1/2	5108 75	5198.75	510 sks.
DRILLING COMMENCED 8/28/84	3	3190.73	3133.73	JIU SKS.
DRILLING COMPLETED 9/5/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN CN				
GFOLOGICAL TARGET FORMATION Alexander	•	Dep	oth 5068-53	₁₀₀ feet
Depth of completed well 5356 feet I	Rotary :			
Water strata depth: Fresh 75,230 feet;				
Coal seam depths: None				area? No
		J		
OPEN FLOW DATA Producing formation Alexander	***		- L% 5069-5	:100 East
		_		100 feet
Gas: Initial open flow Mcf/d				
Combined Final open flow 253 Mcf/d				
Time of open flow between init				
Static rock pressure 1450 psig(surface		ment) alu	er 96 no	urs snut in
(If applicable due to multiple completion	tona _		4717-	4798
Second producing formation Riley & Ballton	wnPa	y zone de	ptn 4387-	4401 reet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	e measure	ment) afte	r ho	urs snut 11
			•	

(Continue on reverse side)

FORM IV-35 (REVERSE)

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

Alexander: Perforations: 5068-70 (4 holes) 5084-90(10 holes) 5098-5100(4 holes) Fracturing: 400 sks. 20/40 sand: 525 Bbls. fluid.

Riley: Perforations: 4717-20 (8 holes) 4796-98 (4 holes)

Fracturing: Foam frac. 150 sks. 20/40 sand: 500 gal. acid: 216 Bbls. fluid.

Bradford: Perforations: 4387-88 (4 holes) 4398-4401 (12 hoels)

Fracturing: Foam frac. 200 sks. 20/40 sand: 500 gal. acid: 130 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS

 $t=60=(0.0075 \times 5199)+459.7 = 559 \times \frac{1}{53.35 \times 559} = \frac{1}{29823} = 0.000034 \text{ Pf}=1453 \times 2.72^{(0.000034)(0.743)}$

 $(4744)(0.9) = 1453 \times 2.72^{0.1} = 1453 . 1.1$

Pf=1598 psi

WELL LOG

	g &.		
	T.		REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fre and salt water, coal, oil and g
Clay	0	3	
Shale & sandy shale	3	230	ኔ" stream @ 75'
Sand, shale & red rock	230	38 5	
Sand, shale & red rock	385	500	½" stream @ 230'
Sand, shale & red rock	500	705	
Red rock & sandy shale	705	1190	Gas ck @ 2038 No show
Sand & shale	1190	1345	
Shale & white sand	1345	1555	Gas ck @ 2319 2/10-1" w/water
Shale & white sand	1555	1640	10,650 cu.ft.
Sand, shale & white sand	1640	1745	
Sandy shale & gray sand	1745	1830	Gas ck @ 3274 No show
Little lime	1830	1845	
Sand	1845	1883	Gas ck @ 4780 No show
Big Lime & Injun	1883	2015	
Sand & shale	2015	3130	Gas ck @ 4845 No show
Gray & white sand	3130	3275	
Sand & sandy shale	3275	4387	Gas ck @ 5195 No show
Bradford	4387	4401	
Sand & shale	4401	4717	Gas ck @ collars No show
Riley	4717	4798	dab on c dorrars no snow
Sand & sandy shale	4798	5068	
Alexander	5068	5100	
Sand & shale	5100	5356	
Suita a Sitazo	3100	T.D.	
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			-
	•		
	3.		
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(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Robert Dahlin-Geologist

Date: 9/25/84

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 wall, encountered in the drilling of a well."

1)	Date:	March	14 ,	19_84
21	Operator'	'c		

2) Operator's Well No. JK-861

3) API Well No. 47 - 017 - 3309
State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

		Oil							
	В (If "Gas",	Production	n	<u>x</u>	/ Undergroun	d storage		/ Shallow X/)
) LOCATIO								n of Straight	
) WELL OP		strict:			- Tnc			Quadrangle: _	
Address			Box 4		, 1110	•	•	ED AGENTRichard	
Address	·		khanno		77 26	201	Address	P.O. 1	
OII & CA	e inchec			~					annon, WV 26201
Name Vill & UA	Stanta	M Caco	DE NOIT		1011	nderwoo	9) DRILLING (11: 0-
Address	R.	t/ # 2	RAW	Ø38 <u>-</u>	D /	encer wood		S.W. Jack Dri P.O. Box 48	LITING CO.
Additos	·	Jane :	. /	_	06378	782-104	13 Address	Buckhanno	2 107 26301
PROPOSE	DWELL	E .			_/ Drill	· · · · · · · · · · · · · · · · · · ·			
FROFUSE	D WELL	WORK:						/ Stimulate	THE LEVIE
							orate new formation		
GEOLOGI	CALTAR	CET FOR							MAR 2 4 1984
						fee	*		
							lt, <u>O</u>	Sa.a.	OIL & GAS DIVISION
							oal being mined in th	ieet.	TAIN!
CASING A				-			toar being mined in tr	ie area! res	NOEX MIN
ASING OR			IFICATION	s	,	FOOTAGE	INTERVALS	ii cementeri	il
UBING TYPE	Size	Grade	Weight per ft.	New	Used		1	CEMENT FILL-UP OR SACKS	PACKERS
ductor	113/4		1	X	Usea	For drilling 30	Left in well	(Cubic feet)	
h water	85/8	ERW	23	X		1200	1200	To surface	Kinds
	85/8	ERW	23	x		1200	1200	To surface	WEAT
mediate	0370	131111				1200	1200	TO SULTACE	Sizes
fuction	4-2	J-55	10.5	х		4950	4950	325 sks.	B
ng							1330	oca:	Depths set
ers								U/ a	Performins:
	·								Top Bottom
									Dottom -
			-						
									3.
·····									
	<i></i>	****				OFFICE USE	ONLY		EEC1300004460
						DRILLING P	ERMIT		
nit number_	47-(017-330	09 ^				•	April 12	2, 19 84
							****	Dat	
permit cove	ring the we	ell operato	r and wel	l locatio	n shown	below is evidence	of permission grant	ed to drill in accordan	ice with the pertinent level
ements subje	ct to the co	mailions c	ontained:	nerein a	na on th	e reverse nereot. N	otification must be	given to the District Oi	and Car Inchestor (Defende
o) Prior to ti	ne construc	cuon or ros	ags. locati	ons and	DIES FOR	any permitted wor ork has commenc	k. In addition the w	vell operator or his con	tractor shall notify the proper
rse hereof.	ork is as de	scribed in	the Notic	e and A	pplicatio	n, plat, and reclan	nation plan, subject	to any modifications a	nd conditions specified on the
	Apri	il 12,	1986			unless we	ll work is commenced	d prior to that data and	
						unicos we	or k is commenced	a prior to mai date and	prosecuted with due diligence.
mit expires _									
mit expires _	A		1-4.	~ .					
nit expires	Agent	P	lat:	Casin	g	Fee			
mit expires _	Agent	I P	1at:	Casin	g H / :	Fee (77)			
nit expires	Agent	1 n	1at:	Casin M	g H / !	477			,
ond:	Agent	1 h	lat: 77-J	Casin M	g 	477 —	Adm	inistrator, Office of O	iii and Gao