

IV-35 (Rev 8-81)

DECENVE	Mest Birginia
MAY 26 1987	Pepartment of Mines il und Cas Bivision

Date Ma	y 19, 1987							
Operator's								
Well No	JK-1274							
Farm	Hassiq							
API No. 47	- 095 . - 1165							

(Continue on reverse side)

DIVISION OF OIL & GASELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas × / Liquid Injection	, / Wast	e Dismosal	,	
(If "Gas," Production × / Undergrou				llow_x_/)
LOCATION: Elevation: 1145 Watershed	·Mudlick Ru	ın		
District: centerville County Tyle			West Un	ion 7.5'
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		-		
OMPANY J & J Enterprises, Inc/				
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Oliver L. Hawkins, 111	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Size			
SURFACE OWNER Lovie E. Garner	20-16 Cord.			
ADDRESS 104 14th. St. S.W. Massilon, OH 44646	13-10"	30	0	Ó sks.
MINERAL RIGHTS OWNER Same as surface	9 5/8			
ADDRESS	8 5/8	1308	1308	290 sks
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7	1300	1300	250 383
Lowther ADDRESS Middlebourne, WV 26149	5 1/2			
PERMIT ISSUED 10/30/86	•	F442 22	F422 22	200 -1
DRILLING COMMENCED 4/23/87	4 1/2	5443.33	5433.33	280 sks.
DRILLING COMPLETED 4/28/87	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			
GEOLOGICAL TARGET FORMATION Alexander	-	Don	oth 5304	1_12 f oot
	Rotary (Dep) / Cabl	.e T∞ls	1-12 feet
145.715	Salt (-	
Coal seam depths: None				
war seam depuis: None	- 15 COAL	веня иш.	ien mi me	area? No
OPEN FLOW DATA			·	
Producing formation Alexander	Pa	y zone dep	oth 5304	feet_
Gas: Initial open flow Mcf/d	Oil: In	itial oper	flow	Bbl/d
Final open flow (822) Mcf/d	Fi	nal open f	Elow	Bbl/d
Time of open flow between init	tial and f	inal tests	5 4 h	ours
Static rock pressure 1450 psig(surface	ce measure	ment) afte	er 96 ho	urs shut in
(If applicable due to multiple completion	n)		5014-	-16
Second producing formation Benson & Ril	ey Pa	ly zone dej		
Gas: Initial open flow Mcf/d	Oil: Ir	itial oper	n flow	Bb1/d
Final open flow Mcf/d	Oil: Fi	inal open :	flow	Bb1/c
Time of open flow between ini	tial and f	Final test	sh	ours
Static rock pressurepsig(surfac			rho	urs shut in
	JUN 1	1987	•	:

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

Alexander: Perforations: 5304-12 (12 Holes)

Fracturing: 400 sks. 20/40 sand: 400 Bbls. sluid.

Benson: Perforations: 5014-16 (8 holes)
Fracturing: 400 sks. 20/40 sand:500 gal. acid.

Riley: Perforations: 4612-40 (11 holes)
Fracturing: 500 sks. 20/40 sand: 500 gal. acid: Foam frac.

Pf=PweXGLS

 $t=60 + (0.0075 \times 5443) + 459.7 = 561 \times \overline{-53.35 \times 561} = 29929 = 0.000033 \text{ Pf} = 1450 \times 2.72^{(0.000033)}$ $(0.695)(4962)(0.9) = 1450 \times 2.72^{0.1} = 1450 \times 1.1$ WELL LOG

Pf=1595 psi

11-1393 PS1			
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all f
_	TOP FEET 0 10 108 199 316 750 1028 1122 1247 1525 1905 1995 2130 2673 3197 3477 612 4640 5014 5016 5304 5312	10 108 199 316 750 1028 1122 1247 1525 1905 1995 2130 2673 3197 3477 4612 4640 5014 5016 5304 5312 5465 T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including unil, encountered in the drilling of a well."

(Obverse) 7/85 **DECE** OCT 14 1985



1)	Date:	UCT	ober	0	, 15
2)	Operator's Well No	247	0		
3)	API Well No.	47	095-1	1165	
-,		State	(County	Permit

STATE OF WEST VIRGINIA

	JUL O	ICT 14	1985	CARLETT'		STA	TE OF WEST VI	RGINIA			
				DEP	ARTM	ENT OF	FENERGY, OIL	AND GAS DIVI	SION		
	DIVIS	ION OF	OIL & G	AS	AP	PLICAT	ION FOR A WEL	L WORK PERMIT			
	DEPAR	TMENT	()} []\\[∄. ≛∛ / Ga	. x						
4)	WELL TY	PE: A OL	١	/ Ga			/ Underground	storage	/ Deep	/ Shallow X	Λ
•	LOCATIO	•	ation:		$\frac{1}{45}$	-	_/ Underground: Watershed:	Mudlick R	un	_/ Silanow	//
3)	LOCATIO		rict:C			e /	County:	Tvler	Quadrangle: W	est Union 7	.51/20
۵.	WELLOD	DISI TOATOD T	Inion	Dril	line	CODI	E: 50550	7) DESIGNATED	AGENT Josep	h C. Pett	ey
0)	Address		st Of	fice	Draw	er 4	0	Address	Post Offic	e Drawer	40
	Addiess		khan						Buckhannor		
٥,	OII & GA							9) DRILLING CO			
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther 9) DRILLING CONTRACTOR: Name S. W. Jack Drilling Co.											Co.
	Address		eral					Address	Post Offic		
	Audiess		ld1eb						Buckhannor		01
					•	/ Drill	deeper	/ Dadrill	/ Stimulate	•	
10)	PROPOSE	D WELL V	vork:							<u>-</u>	
								ate new formation			
				Other p	hysicai /	change in	well (specify) nder				
11)	GEOLOGI	ICAL TARG	GET FOR	MATION.	,	116 <u>Xa</u>	nuei				
	12) Estima						feet		foot		
	13) Appro	ximate trata	a depths:	Fresh,		·····				ν. Να Χ	,
							Is co	at being mined in the	e area? Yes	/ NOA	
15)	CASING A	AND TUBI							••		
	ASING OR UBING TYPE	1 .	SPEC	IFICATIONS Weight	•	. 1	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
	DBING LIFE	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Con	ductor	11 3/4	1140	42	X		30	0		Kinds	
Fres	sh water							, ,			
Coa	ıl									Sizes	
Inte	rmediate	8 5/8	ERW	25	χ		1170	1170	to surface	Her Kule 1	2.05
	duction	4 1/2	J55	10.5			5300	5300	as required	Depths set	
Tub		1 - 1/2							by Kulc 150		SKS
Line		-								Perforations:	
Lin		 								Тор В	ottom
	~	1									
_		+			 						144
		<u> </u>		L	I	11				· · · · · · · · · · · · · · · · · · ·	
							OFFICE USE	ONI Y			
							DRILLING PI				
							DRILLINGIA				
Per	mit number .		47-09	5-1165						tober 30	19 86
									Da		
Thi	is permit cov	ering the w	ell operato	or and we	ll locati	on shown	below is evidence	of permission gran	ted to drill in accordar	ice with the pertiner	nt legal re-
qui	rements subj	ect to the c	onditions (contained	herein	and on th	e reverse hereof No	tification must be g	iven to the District Oil well operator or his cor	and Gas Inspector,	(Refer to
No. dist	8) Prior to ti	ne construct gas inspecto	ion of ros	as, localions before a	ons and ctual pe	rmitted v	vork has commend	ed.)	ven operator or mo eo.		propo
									to any modifications a		
	e permitted v erse hereof.	VOIK IS AS U					ni, piat, and recian	aution plant, subject	to unit mountaines		
	mit expires		Octobe	er 30,	198	3	unless we	ll work is commence	d prior to that date and	prosecuted with due	e diligence.
	v cpvo										
Γ											
	Bond:	Agent	: }	lat:	Casi	ng	Fee WPCF	~ タネタモシ 	Other		
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L	l	W-12			V		49		/////	<i>1</i> _	
			•			•		/ last.	HI		
NC	TE: Keep	one convict	f this pern	nit posted	at the	irilling lo	cation. T	rector, Di	ision of 0il	and Gas	
146							//			allu Gas	File
			See	the rever	se side (of the AP	PLICANT'S COP	Y for instructions t	o the well operator.		