

IV-35 (Rev 8-81) DECEIVED DEC 2 1 1983

OIL & GAS DIVISION
DEPT. OF MINIES



State of Mest Airginia Department of Mines

Bepartment of Mines
Oil and Gas Bivision

Date	Decembe	r 16,1983
Operator Well No.	's J-748	
Farm Ma	ae Bond	
API No.	17 - 095	- 1026

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 940 Watershed We				
District: Centerville County Tyler	:	Quadrangle	West West	Union
		· · · · · · · · · · · · · · · · · · ·		
COMPANY J&J Enterprises, Inc.		į		
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Richard Reddecliff	Tubing	Drilling		fill up Cu. ft.
ADDRESS Same	Size			
SURFACE OWNER Mae Bond	20-16	,	-	
ADDRESS Rt. #2, Pennsboro, WV 26415	Cond.		_	
MINERAL RIGHTS OWNER Mae Bond	13-10"	30	0	0 sks.
ADDRESS Same	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Robert	8 5/8	1001.85	1001.85	250 sks.
Lowther ADDRESS Gen.Del. Middlebourne, WV	7			
PERMIT ISSUED 5/3/83 26149	5 1/2			
DRILLING COMMENCED 11/9/83	4 1/2	4919.20	4919.20	175 sks
DRILLING COMPLETED 11/17/83	3			
	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	useđ			
CN	1		<u> </u>	•
GEOLOGICAL TARGET FORMATION Benson				
Depth of completed well 5366 feet	Rotary <u>x</u>	/ : Cabl	e Tools_	
Water strata depth: Fresh 1380 feet;	Salt	0feet		
Coal seam depths: None	Is coal	being min	ed in the	area? No
OPEN FLOW DATA			4418-2	
Producing formation Riley	Pa	v zone der	th 4422-2	3 feet
Gas: Initial open flow Mcf/d	Oil: In	itial oper	flow	Bbl/d
Combined Final open flow 933 Mcf/d	Fi	nal open f	low	Bbl/d
Time of open flow between init				
Static rock pressure 1675 psig(surface				
(If applicable due to multiple completion				
Second producing formation Benson		v zone det	oth 4820-2	2 feet
Cas: Thitial open flow Mcf/d				
Gas: Initial open flow Mcf/d Final open flow Mcf/d		nal open i	Elow	Bb1/c

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

Riley: Perforations: 4418-20 (3 holes) 4422-23 (1 hole) 4449-51 (4 holes) Fracturing: 35,000 lbs. 20/40 sand: 500 gal. Acid: 430 Bbls. fluid.

Benson: Perforations: 4820-22 (9 holes)
Fracturing: 50,000 lbs. 20/40 sand: 500 gal. Acid: 480 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS 1 $t=60 + (0.0075 \times 4919) + 459.7 = 557 \times 557 = 29716 = 0.0000337 Pf=1675 \times 2.72$ $(0.0000337)(0.670)(4620)(0.9) = 1675 \times 2.72^{0.09} 1675 \times 1.$

Pf=1843 psi

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	<u>REMARKS</u> Including indication of all fresh		
		 	and salt water, coal, oil and gas		
Sand	0	78			
White sand	78	260	¼" stream @ 68'		
Red rock	260	280	, 5555		
Sand, shale & red rock	280	831	½" stream @ 1380'		
Sand & shale	831	1050	2 55254411 (2555		
Sand & shale	1050	1855	Gas ck @ 1971' No show		
Big Lime	1855	1920	GdS CR @ 1971 NO Show		
Injun	1920	1971			
Sand & shale	1971	3390			
Sand & shale	3390	4418			
Riley	4418	4451			
Sand & shale	4451	4810	- 4		
Benson	4810	4822	57		
Sand & shale	4822	(5366)			
	4	T.D.	\mathcal{L}'		
		Ph. Tosta	29 29 et @ +.D.		
		Chance			
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			•		
	1	1	·		

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator 12/16/83 Date:

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 with, encountered in the drilling of a well."

	April :	15	83
1) Date:			, 19
Operator's Well No.	J-748	man of the	
3) API Well No	47	- 565	

County

Permit

State

DRILLING CONTRACTOR:

S.W. Jack Drilling Co.	STATE OF WEST VIRGINIA
SOX (8)	DEPARTMENT OF MINES, OIL AND GAS
Buckhannon, BM 26301	OIL AND GAS WELL PERMIT APPLICA

OF CENTRAL	Ting .	<u></u>	DEPA	ARTMENT (OF MINES, OIL A	ND GAS DIVISI	ION	
Channon, M	<u> </u>	17	<u>o</u>	IL AND GA	S WELL PERMIT	APPLICATION	•	
4) WELL TYPE				x				Y2. P
E) LOCATION.			duction			rage	Deep O.	_/_ Shallow
) LOCATION:		ation:	Centervi	110	Watershed:	Tylex		TEAN (. TILLIANS
) WELL OPER			sterps in	es, Inc			Quadrangle:	eri keddeclik
) WELL OPER Address	AIOK_	7.0. 1			11)	DESIGNATE	D AGENT	**************************************
Address		Buchin	aranor, ti	V 26201.		Address	. W. L. D.	Carry 177 Pro
OIL & GAS		13 m at 12 m						
ROYALTY O	WNER .	Fac Sc	ong.		12)	COAL OPERA	ATOR	
Address		- विकास सम्बद्धाः - विकास सम्बद्धाः	ouro, W			Address		
		17	2002 May 127 B 1 1 2 4 2 5	* 0477				
Acreage		িক্ত উৎ	74.E.		13)	COAL OWNE	R(S) WITH DECLAR	ATION ON RECORD
SURFACE O	WNER	Ft. :			****	Name	era erasa	
Address		Fenns	ত্তাত, স্বয	20415		Address	Pennsioro,	
A awas as	-	17						
Acreage	/IE MAE	E) TO:				Name		
FIELD SALE	(IF MAD	E) 10:	MEOREM.			Address		
1 Iddi C33					14)	COALLESSE	E WITH DEGLADAT	TON ON PEGODE
OIL & GAS I	NSPECTO	OR TO BE	NOTIFIED	-	14)		E WITH DECLARAT	
Name					<u> </u>	Address		
Address			al Deliv			1 1001 C33	· · · · · · · · · · · · · · · · · · ·	
		MACCALL!	enourne,	क्ष 3 0.	(* 3			
PROPOSED	WORK:	Drill	/ Dri	ll deeper	/ Redrill	/ Fra	cture or stimulate	, , , , , , , , , , , , , , , , , , , ,
					/ Perforate nev			
		Other phy	sical change	in well (speci	(fy)			
GEOLOGICA	L TARGE	ET FORMA	TION,		× 8.0			
17) Estimated	depth of	completed w	vell,	200	feet	Sone		
18) Approxin						lt,	feet.	
19) Approxin	nate coal se	am depths:			Is coal b	eing mined in the	area? Yes	/ No
CASING ANI) TUBING	G PROGRA	AM					
CASING OR	ı	SDE	CIEICATIONS	. 11	POOT OF		11	
TUBING TYPE		1	CIFICATIONS Weight	ı	FOOTAGE I	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
Continue	Size	Grade	per ft.	New Used	For drilling	Left in well	(Cubic feet)	
Conductor Fresh water	- 	- Park	- 23	, 	1000	3000	I to metace	Kinds
Coal	* **	And resident	7.7		3000	3000-	- marine Come	y (S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Intermediate								Sizes
Production	****	1377		∷. 	49	3773	1331 - 1	<u> </u>
Tubing				- 				Depths set
Liners								Perforation
								Perforations:
								Top Botton
EXTRACTIO	N RIGHT	S			L.			4
Check and pro								
Included	l is the lea	ise or leases	or other cor	ntinuing cont	ract or contracts by	which I hold the	e right to extract oil or	gas.
☐ The req	uirement o	of Code 22-	4-1-(c) (1) the	rough (4). (S	see reverse side for	specifics.)		
ROYALTY PI			wkat tha ail a					
similar provisi	on for cor	npensation	to the owner	of the oil o	on a lease or other of	continuing contra	ect or contracts providi	ng for flat well royalty one of oil or gas so extra
produced or m	arketed?	Yes ∐ 1	No ∐					ie of on of gas so extra
he answer above	is No, no	thing addit	ional is need	ed. If the ans	wer is Yes, you ma	y use Affidavit F	Form IV-60.	
Required Copi		,						
Copies of this	Permit Ap	plication as	nd the enclos	ed plat and r	eclamation plan hav	ve been mailed by	y registered mail or de	livered by hand to the a cation to the Departme
Mines at Charl	eston, We	est Virginia.	, and coal ics					
Notary:		<u></u>			•	Signed:	to and the same of	Contract of the second
My Commission	Expires				·	Its:		
						163.		
				OI	FICE USE ON	ĹŸ		
A 10 3 10 10	41.00	***		DF	RILLING PERM	AIT	第二次。第 次	
mit number	3.0			100		30	"数"数量数	THE STATE OF THE S
is permit coverin	g the wall	Operator of	nd well losses	ion chaus L-	low is avidence of	armicele- :	Date	
rements subject	to the con	ditions conf	tained herein	and on the r	everse hereof.	ication must be	eu to arill in accordan	ce with the pertinent leg il and Gas Inspector. his contractor shall noti
fer to No. 10) Pr	or to the	onstruction	of roads, loc	ations and pi	ts for any permitted ed work has comm	work. In addition	on, the well operator or	ij and Gas Inspector. his contractor shall noti
-	in Raz IUS	pector 24 he	ours defore a	ctual permitt	ed work has comm	enced.)		
mit expires						ng is commenced	prior to that date and	prosecuted with due dili
Bond:	Agent	ι: P	lat:	Casing	Fee			

NOTE: Keep one copy of this permit posted at the drilling location.

Agent:

Casing

Fee

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
 - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
 - 7) Use separate sheet if necessary
 - 8) Present surface owner at time application is filed.
 - 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

	_	•	•	nd by any coal owner or coal lessee nit is to be issued within fifteen (15)
	,		WAIVER	
amined this added to the	proposed well location. If a e mine map. The undersigned	mine map exists w I has no objection	hich covers the are to the work propos	
Date:	, 19	······································	By	