

FORM IV-2 (Obverse) (08-78)

TELEPHONE: (304) 348-3092



Date: _		" L,		, 1	9_	
Operat Well N					- Chair	
API W	ell No.	47	-	039	-	3817
		State		County		Permit

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

		OIL AP	ND GAS WELL P	ERMIT				
WELL TYPE:	Oil /	Gas 🔭 /			and the second second			
	(If "Gas", Produ	ction /	Underground	storage	/ (Deep	/ Sł	nallow	<i>D</i>
LOCATION:	Elevation:		Watershed:					
	District:		County:		Quad	rangle:		
WELL OPERATOR	2			DESIGNATEI	O AGENT			
Address				** Address			m, W.Va.	*
Address			3533	-				
OIL & GAS ROYALTY OWNE	R			COAL OPER	ATOR			
Address _			to Table labourer northwest	Address				
Acreage -				COAL OWNE	ER(S) WITH D	ECLARATIO	N ON RECO	RD:
SURFACE OWNE	D			Name	(G) (C)			
	V and the second	A STATE OF THE STA	······································		400			
Address _				Address		FEB5-	1982	
Acreage				Name		OIL AND GA	S DIVISION	
FIELD SALE (IF					8			
	,							
				COAL LESSE	EE WITH DEC	LARATION	ON RECORD):
OIL & GAS INSP	ECTOR TO BE N	OTIFIED		Name				
					3			
Address		X	*	1 1 4 4 5 5			······································	
The undersigned	well operator is ent	itled to operate for						
other contract	/ dated <u>Jan</u>	uary 30, 1	9 <u>£2</u> , to th	e undersigned	l well operator	from <u>John</u>	Alemin	g, et a
(IF said deed, leas	se, or other contrac	t has been record	led:)					are a
Recorded on				the County Co	ommission of		County	, West
Virginia in _							•	
	RK: Drill/						/	
TROTOSED WO		ormation				nate/		
	Other physica	l change in well	(specify)		, respective	<u> </u>		
	nlanned as	shown on the we	uls and an an tha	moviemen side	horoof			
Para		shown on the wo			e e			
	d coal operator, coal					-	•	
make by Code \$22	-4-3 must be filed v	vith the Departme	nt of Mines with	un fifteen (15)) days after the	receipt of thi	is Application	by the
Department.	rmit Application and	the enclosed plat	and raplamation	mlan have been	m mailed by mani	stoned mail an	4-1:	
the above named co	rmit Application and						_	
the Department of				te the day of th	ie maning of de	nvery of this f	rerniit Applica	mon to
garantee and the same and the s		, , ii 5iiii d			andrea.	nike -milin, Bills	white	100
PLEASE SUBMIT GEOPHYSICAL LO TO:				-				*
WEST VIRGINIA CONSERVATION SION 1615 WASHINGTO	ON COMMIS- N STREET EAST	BLARK	ETROND	By	Mike	ell Operator Buskett		
CHARLESTON, W	V 25311							

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING C	ONTRAC	TOR (II	KNOW						*		
				Ad	dress.			.,		*	
-						·····					
							et Rotary			le tools	/
							; salt,				
Approxi	mate coa	l seam d	lepths:	·		Is coa	being mined	in the a	rea? Yes	/ No _	/
CASING AND	TUBIN	G PROG	RAM								
											
CASING OR TUBING TYPE	SPE	CIFICAT Grade	IONS Weight per ft	New	Used		INTERVALS	C	NT FILL-UP OR SACKS Dic feet)	PACKERS	
Conductor	11.00	A		*						Kinds	
Fresh Water											
Coal										Sizes	
Intermediate			* 4								
Production	444		3.00	35				1, 1, 2		Depths set	
Tubing											
Liners										Perforations:	
										Тор	Bottom
presc "Rec previo	ribed by lamation ously paid	Regulati Plan'', a l on the s	on 12, or pplicable ame well,	in li to the the fe	eu the e recla ee requ	reof the other mation require tired by Code §	security allowed by Code \$ 22	ved by (2-4-12b a v) if appli	Code § 22-4-2 and Regulation icable, the co	n one of the form (iii) Form IV-9 on 23, (iv) unles onsent required b I well.), s
A s be pa	eparate F rt of the v	orm Iv-2 vork for v	shall not b vhich a pe	e requermit i	uired fo s sougl	or fracturing or ht and is noted	stimulating a was such on the	vell wher Form IV-	e fracturing of 2 filed in con	or stimulating is t nection therewith	0
THIS PERM	IT MUST	BE PO	STED AT	THE	WELL	SITE					
All provisio	ns beinn	in more	rectional a		-1	A** 4**)					
○1 11100 ±±.	Ya. Coal	a, tha lo	costino in	Brown on Land							
for		8	This par	vi t sh	all ex;	ite if					
operations h	ave nor	commend	ed by	10-10	5-82 	normania penaggarapy.					
Deputy D	Director -	Oil & G	as Divisio	\leq	2						
				* 9							
						9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0			****	
							and by any coal			who has recorded eccipt thereof.	a
						WAIN	ER				
The undersign	ed has no	objection	on to the	work :	propos	ed to be done	THE WELL INCOME	1, the well	II laaatiaa laa	rell location has e s been added to the operator has com	
•											
Date:			. 19				Ву			-	
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IV-35 (Rev 8-81)

Sinte of West Airoiniz

Bepartment of Mines Gil und Ges Sivision

		4-12-	-82		
		ator's			
2	Well	No	1	STORY OF STREET	
		John	Fleming		
	ADT A	6 47	- 020	_	3817

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep X / Shallow /)								
LOCAI	ION:	Elevation: 881 GL	Watershed Mu	ındv Holl	.OW		ě	
		District:Union		_		Pocata	ï Lico	
	WY Bur	dette Oil & Gas Co.	, Inc.					
ADDRE	SS <u>P.</u> C). Box 10167 Sta. "C'	Chas. WV	Caşing	Used in	Left	Cemen	
DESIG	ENATED	AGENT Michael A. Bur	rdette	Tubing	Drilling	in Well	fill Cu.	60
ADDRE	SS <u>512</u>	l Big Tyler Rd., Cha	arleston. WV	Size				
SURFA	ACE OM	NER John Fleming	2016 Cond.	40	40			
ADDRE	<u> </u>	l Mundy Hollow Rd.,	Chas., WV	12,3/4	227	227	150	Sks.
MINE	RAL RI	GHIS OWNER John Flemin	ng, et al	9 5/8				,
ADDRE	35 <u>561</u>	. Mundy Hollow Rd., (Chas., WV	8 5/8	1997	1997	230	Ske
OIL A	ND GA	S INSPECTOR FOR THIS WO	RK Mattin	7				UILU !
Nich	ols	ADDRESS Box 554, 0	Clendenin, WV	5 1/2				
PERM	r iss	UED	de trades ser an ser production where selection research services and determine	4 1/2	4970	4070		
DRILL	LING C	OMMENCED 3-3-82	3	4971	4970	290	SKS.	
DRILLING COMPLETED 3-28-82 XX1 1/2 4983								
CONTI	ZUOUM	BLE: PLUGGING OF DRY H PROGRESSION FROM DRILL VERBAL PERMISSION OBT	Liners used		4 900			
ON				useu				
GEOL	GICAL	TARGET FORMATION Or	iskany		Dept	h 4992-	5004	feet
	Depth	of completed well 500	14) feet R	lotary x	/ Cable	? Tools		•
	Water	strata depth: Fresh 1	.75 feet;	Salt 121	0 feet			
Coal seam depths: Is coal being mined in the area? No								
OPEN	FLOW	DATA						
		cing formation Orisk	any	Pav	zone dept	h4992 -	5004	feet
		Initial open flow 340						
		Final open flow unknown				444444444444444444444444444444444444444	والكري والمستوي والمناه	
		Time of open flow						
	Stati	c rock pressure 800	psig(surface	measurem	ent) after	24 hou	rs shu	t in
(If applicable due to multiple completion)								
Second producing formation Pay zone depth feet								
		Initial open flow						
		Final open flow						25
		Time of open flow						
	Static rock pressure psig(surface measurement) after hours shut in							
					(Contir	JUL 2 6 true on ret	The second	sidel

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

Fracture: 900 Barrels of Water , 5000 Galons of 28% HCL Acid, 60,000 lbs. of 20/50 Sand, GEL, etc. (Cross-Link Gel Frack)

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
Sand, Shale & Sandy Shale	0	1210	
Salt Sand	1210	1550	Salt Water
Maxon Sand	1599	1630	
Pencil Cave	1630	1642	
Big Lime	1645	1793	
Injun Sand	1793	1960	Slight show of gas
Shale & Siltstone	1960	2338	
Coffee Shale	2338	2356	
Berea Sand	2356	2366	· · · · · · · · · · · · · · · · · · ·
Shale & Siltstone	2366	2760	
Shale	2760	3574	
Brown Shale	3574	3640	
Shale	3640	3933	
Brown Shale	3933	4149	
Shale	4149	4894	
Corniferous Lime	4894	4992	
Oriskany	4992	5004	Gas perf. 4992-5004
TOTAL DEPTH		5004	

(Attach separate sheets as necessary)

Burdette Oil & Gas Co., Inc.

Well Operator

By: Michael A. Burdette

Date: April 12, 1982

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 coul, encountered in the drilling of a well."