



IV-35 (Rev 8-81)

State of Mest Nieginia

Bepartment of Alines Gil und Gas Division

Date	4/5/83	3	
Operato	or's_		
Well No	R. Jemi	son # 1	
Farm B	ILL MONK	be.	
API No.	47 -095	- 296	=

WELL OPERATOR'S REPORT

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

WEIL TYPE: Oil X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow X /)								
LOCATION: Elevation: 945' Watershed Sugar Creek								
District: Meade County Tu	0	Quadrangl	e Roue	7.5				
COMPANY 15 win Inc								
ADDRESS Rta 2 Box 83 St Mayor WAZGO	Caşing	Used in	Left	Cement				
DESIGNATED AGENT HOLTER Wile	Tubing	Drilling	in Well	fill up Cu. ft.				
ADDRESS Same	Size							
SURFACE OWNER BILL MONROE	20-16 Cond.							
ADDRESS BENS RUM WVA	13-10"							
MINERAL RIGHTS OWNER RUSSOU JEMESON	9 5/8							
ADDRESS 3329 VAIR AVE PARKERS BURG WYA 26101	8 5/8	1000		· ·				
OIL AND GAS INSPECTOR FOR THIS WORK ROBLET		1072	1072					
LOWTHER ADDRESS MIDDLE BOLENE WYA	7							
PERMIT ISSUED 11-12-81	5 1/2	4820'	. 192 . 4					
DRILLING COMMENCED 3/9/82	4 1/2		4820'	00				
DRILLING COMPLETED 5/23/82	3	100	ECE	VED				
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2		APR 7 - 1	002				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners		MPR / - J	303				
ON	used		WYCEPARTME	nt of mines				
GEOLOGICAL TARGET FORMATION DOLOTHIAN Sha	le.	Dept	th_ 470	O' feet				
Depth of completed well 4841' feet R	otary X	/ Cable	? Tools					
Water strata depth: Fresh N/A feet;	Salt N/	- feet						
Coal seam depths: NIA	Is coal i	ceing mine	ed in the	area? NO				
OPEN FLOW DATA Lucon.								
Producing formation <u>Revovein Shale</u> Pay zone depth 4820 feet								
Gas: Initial open flow 125 Mcf/d Oil: Initial open flow 10 Bbl/d								
Final open flow 125 Mcf/d Final open flow 10 Bbl/d Time of open flow between initial and final tests 12 hours								
Static mck pressure 890 points	an and in	mai tests	12 ha	îrs				
Static rock pressure 890 psig(surface (If applicable due to multiple completion-	measureme	ent) after	b hour	s shut in				
Coomis and the contract of the			_					
	Pay	zone dept	:h	feet				
Gas: Initial open flow Mcf/d Final open flow Mcf/d								
	Dil: Fina	al open fl	.cw	Bbl/d				
Time of open flow between initial and final tests hours Static rock pressure psig(surface measurement) after hours shut in								
psig (surface)	neasurener	nt) after_	hour	s shut in				

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

Perfections \$32 32 3400 1 1 1 4471' to 4808' (Leven)

805,000 SCF N2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
el	-	-20-	
Shale	955	968	
Shale	968	785	
Sand	985	1005	
Shale	1005	1032	
sand	1032	1045	
Stale	1045	1097	
Shale	1097	1191	
Sand .	1171	1340	
	1340	1420	
Slule	1420	1450	
Sand	į.	1769	
Shale.	1450	2055	
sand	1769	2305	1
Shale Bereal	2053	1	
Semo	2305	2310	
5 hale	2310	2515	•
Sand	2515	2650	
Shale	2650	14841	4841
		in tava;	
			·

(Attach separate sheets as necessary)

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: 2--5- , 19 85
2) Operator's Well No. Jemisom No. 1

Well No. <u>Jemisom No. 1</u>

3) API Well No. <u>47 095- 0965 - FRAC</u>
State County Permit

File

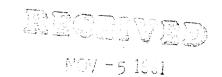
FFR - 6 1985 OIL & GAS DIV.

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELLTY	PE: A C		. / G	as	Х /		*		
,,	-,	If "Gas",		_		Underground	torage	/ Deep	_/ Shallow X
5) LOCATIO	-	evation: _	945			Watershed:	Sugar Cree	ek	
	Di	strict:	<u>Meade</u>)		County: T	vler		Medeville
6) WELL OP	ERATOR	Peth	tel C	il a	& Gas	3785	7) DESIGNATE	DAGENT Zeb P	ethtel
Addres	, <u>P</u>	.0. B	oxx 2	21		370	Address	P.o. Box	21
	<u>S</u>	t. Ma	rys,	W. 7	Va. 20	5170			s, W. Va. 26170
8) OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED			9) DRILLING C		
Name _F	lobert	Lowe	r					steren Frac	king Co.
Addres	, <u>Mi</u>	ddleb					Address	Cainbridg	
	W.	Va.	<u> 2614(</u>)					<u> </u>
10) PROPOSI	ED WELL	WORK:	Drill		_/ Drill	deeper	/ Redrill	/ Stimulate	X /
			Plug o	ff old f	formation_	Perfor	ate new formation		
							Nit-Frack		e at 3900 Feet
11) GEOLOG	ICAL TAR	GET FOR				(-,,			3,000
12) Estim				39		feet			
13) Appro	oximate tra	ta depths:	Fresh, _	noi	ne		none	feet.	
14) Appro	ximate coa	ıl seam der	ths:	noi	ne			e area? Yes	/ No. X
15) CASING		-				7		- aroa. 163	
CASING OR	I		CIFICATION	s	H	FOOTAGE I	NTERVALS	CEMENT FILL-UP	N PAGENTO
TUBING TYPE	Size	Grade	Weight per ft.	New	Used		1	OR SACKS	PACKERS
Conductor	34	Grade	per it.	14ew	Useu	For drilling	Left in well	(Cubic feet)	
Fresh water	†	 	†	<u> </u>					Kinds
Coal	†	 				EXISTIN	<u> </u>		
Intermediate	†	1		†		WELL			Sizes
Production	 	!	<u> </u>	 		WELL	ICE COTE	4	
Tubing	†			 			``.	 	Depths set
Liners	 	 	<u> </u>	ļ					Perforations: 3900-3900
Lineis	1		 						Terrorations.
	1	†	 						Top 3900 Bottom 391 0
	1		1						
	.Н		·	·	I			1	
						OFFICE USE C	NI V		
						RILLING PE			
						AULDING I E	MIVII I		
Permit number_		4/-09	<u>5-0965</u>	-FRA	<u>; </u>			Feb	ruary 6, 19 85
		••						Dat	
quirements subje	ering the w	ell operate	or and well	l locatio herein a	on shown t nd on the	pelow is evidence of	f permission grant	ed to drill in accordan	ice with the pertinent legal re-
NO. 8) Prior to t	ne construc	uon ot to:	ads, locati	ons and	pits for a	ny permitted work.	. In addition, the w	ell operator or his con	I and Gas Inspector, (Refer to stractor shall notify the proper
district oil and g	as inspecto	or 24 hours	s before a	ctual pe	rmitted wo	rk has commenced	l.)	operator or mo con	mactor shall notify the proper
The permitted w	ork is as d	escribed in	the Notic	e and A	pplication	, plat, and reclama	tion plan, subject t	o any modifications a	nd conditions specified on the
reverse hereof.	_							•	on the specifica on the
Permit expires _	reb	ruary	b, 198	/		unless well	work is commenced	prior to that date and	prosecuted with due diligence.
f									Commence of the second
Bond:	Agen	t; []	Plat:	Casin	g	Fee			
1111	me	1 12		mi	1	ے۔ ا سر	10 m	THE THE WAR COMPANIES AND A C	1
117	/ ///	' //	IN	111/	1 2	2 /	1/2	. 10	1/244
				-			1 large	vui J. /	Jusse
NOTE :			••			.•	/ A/dim	inistrator, Office of C	Dil and Gas
NOTE: Keep of	ne copy of	this perm	it posted a	at the di	rilling loca	tion.			

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





Oil and Gas Division

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.		DATE	Oct. 6, 1981	·	
Surface Owner Bill Monroe		Company.	Bison, Inc.		
Address Bens Run, WV.			Rt. 2 Box 83	St. Marys, W	. 2617
		Farm	Bill Monroe	Acres 89.11	
Address 3329 Vair Ave. Parkersburg,	WV 26101		(waters) Sugar Cre		
Coal Owner N/A		Well No		Elevation 945	
Address	:	District		County Tyle	
Coal Operator					
Address		•			
HIS PERMIT MUST BE POSTED AT THE WELL SI			,		•
If provisions Loing in accordance with Chapter 2 the W. Va. Code, the location is haraby approv	INS	SPECTOR BE NOTI	FIED <u>Phillip Tr</u>	acv	
or drilling . This permit shall expire 7-12-82					
perations have not commenced by 7-12-82	—' ADI	DRESS	Rt. #3 Alma,	WV 26320	
for Augus	PHO	ONE .	304-758-4573		
Deputy Director - Oil & Day Division GENTLEMEN:					
The undersigned well operator is entitled to	drill upon the a	bove name	d farm or tract of land	for oil and gas, havin	g fee
title thereto, (or as the case may be) under gra	ant or lease dat	ed Aug	29 198	I by Don Wagne	r
title thereto, (or as the case may be) under gra	ant or lease dat	ed Aug	29 198	I by Don Wagne	r
	ant or lease dat	ed Auga	ecorded on the	I by Don Wagne	r
made to Bison, 1981, in xkex Tyler County, Book	ant or lease date Inc.	edAug_ and r Page	29 198 ecorded on the Sees 193	I by Don Wagners 9th day of Sept.	.
title thereto, (or as the case may be) under grammade to Bison,	ant or lease dat Inc. k _233 DEEPER	edAug. and r Page RED	29 198 ecorded on the State 193 RILLFRAG	I by Don Wagners 9th day of Sept.	.
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made to Bison, 1981, in XRIER Tyler County, Book X NEW WELL DRILL I OIL AND GAS WELL ORIGINAL The enclosed plat was prepared by a register	ant or lease dat Inc. k 233 DEEPER LY DRILLED I red engineer or	ed Auga and r Page RED BEFORE J licensed landstified that	ecorded on the See 193 RILL FRACUNE 5, 1969. and surveyor and all contains objection they wis	Don Wagners t 9th day of Septer CTURE OR STIMULA al owners and/or opera	TE tors
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"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified sequirements."

Signed by Harrald 9 Wilson

PLANUET DOND

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION.

PROPOSED WORK ORDER	TO A DRILL	DEEPEN FRACTURE-STIMULATE			
DRILLING CONTRACTOR:	(If Known)	RESPONSIBLE AGENT:			
NAME Unknown		NAME Harold E. Wilson			
ADDRESS			Box 83 St. Marys, WV.		
TELEPHONE		TELEPHONE 304	-684-3994		
ESTIMATED DEPTH OF COMPLETED WELL: 4700		· ·	CABLE TOOLS		
	FORMATION: Devonian Sha	le			
TYPE OF WELL:	OIL_X GAS_X	COMB. STOR A	GE DISPOSAL		
			LOOD OTHER		
TENTATIVE CASING PROG		WAILIN	LOOD OTHER		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN	CEMENT FILL UP		
20 - 16	DATE	WELL	OR SACKS - CUBIC FT.		
13 - 10	101	401			
9 - 5/8	40	40.			
8 - 5/8	1050*	10501	Cement to surface		
7			Cement to Surface		
5 1/2					
<u>4 ½</u>	4700'	4700	Cement up 2700'		
3			Pert. Top		
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
MUST ALSO BE SUBMIT TO FRACTURE - STIMULATE OIL AND/OR GAS WELL BOND, PERMANENT PL OIL AND/OR GAS WELL ING ORIGINAL PERMIT	ES OF OG - 1, SHOWING ORIG R TO 1929, A PERMANENT C TTED. E: L ORIGINALLY DRILLED BEFO LAT AND ORIGINAL WELL REG L ORIGINALLY DRILLED ON A NUMBER, AND PERFORMANCE	OPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5 CORD. ND/OR AFTER JUNE 5, 19 BOND.	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 29, FIVE COPIES OG - 1, SHOW-		
four (24) hours in advance	filed within ninety (90) days of (completion for bond release	. Inspector to be notified twenty		
		•	issued within ten days of receipt		
We the	nined and place on our mine ma	aps this proposed well loca have no objections to said y	well being drilled at this location		
providing operator ha	as complied with all rules and regu	alations in Articles 4, 5, and	7, Chapter 22 of the West Virginia		
			or Coal Company		
		,			