• /																	
/					_		_		ı	_				مرس م) (14-	99 Form G-2 (Rev. 898)	
			O۱	IE		KANSAS TABILIZ	ZED O	PEN F	ELO	w or [DELIVE	ON ERABILIT	ry T E	ST O	(r'	. \	
Type Tes	st:						(See Ins	tructions	on Re	verse Side)					* /	
				Test Date:				API No. 15 -19					9-000140001				
Compan	y				*			Le	ase				-	 -	Well N	umber	
	Dr	.11i			y, Inc.				exso	n		***			1		
County				ation		Section	TV			RNG (E	w)			Acres	Attributed		
Wallace Field			NW	NE	SW	19 Reservo		<u>13s</u>		42W Gas Gati	nering Conne	ection					
Sexs	ΩD					Morro						Plains		ather	ine.	Inc.	
Completi		le				Plug Back Total Depth				·	Packer S						
8-12	-98					5015	5015										
Casing S	Size		Wei	ght		Internal (Set at		Perforations		То		5014			
2.87				.5			2.441		5062		•						
Tubing S	ize		Wei	ght		Internal (Diameter		Set at		Perfo	rations		То			
Type Cor	npletio	n (De	scribe)			,,	id Product	tion			•	it or Traveling	Plunger	r? Yes	/ No		
Gas Producin	g Thru	(Ann	ulus / Tubir	g)		None % Carbon Dioxide					No % Nitroge	en	Gas G	Gravity - G			
Prod	ucin	gt	hru Cas	sin	g									•	.868		
Vertical C 5010	Depth(I	1)		-		Pressure Taps					(Meter Run) (Prover) S 3,068						
			Ø	·	?19	99	11:00				£- 5	19	99				
Pressure		•		_	<u>5</u> 19						8-6			10:			
Well on L	ine:		Started	<u>'</u>	19	2 / at _/		— (AM)	(PM)	laken	<u> </u>	19	// at	_ +0 +		(PM)	
							OBSER	VED SU	RFACE	E DATA			Duration	n of Shut	-in	2 Hours	
Static /	Orif	ice	Circle one	.	Pressure	Flowing	Well Hea	ad	Casi	•		ubing					
Dynamic	Siz	e	Prover Pressu		Differential in (h)	Temperature	Temperati	ure We	Wellhead Pressure (P,) or (P,) or (P,)		Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)		
Property	Property inches		psig		Inches H ₂ 0	t	1		psig psia		psig	psia				,	
Shut-In								25	50								
Flow	1	,	95,3	5	4.4	72		21					2	4		/	
				.,			FLOW S	TREAM	ATTRI	BUTES		•					
Coefficient Meter (F _b) (F _p) Prover F		Circle one: Press		Gravity			Flowing		ation	Metered Flor	1 Flow GC			Flowing			
		Meter or Prover Pressure psia		essure VPxH		Fac		-	Temperature Factor F ₁₁		tor	R (44-64)		(Cubic Fe		Fluid Gravity	
						F,	'	F"			•	(Mcfd)		Barret		G _m	
4.912		10	9.900	\perp	21.990	1.0	73	,98	39	1,0	77	//7					
/	a 1	_				(OPEN FL	OW) (DEL	.IVERAB	ILITY)	CALCUL	ATIONS			(P)	² = 0.2	207	
P _c) ² = 0	1. 90	<u>7.</u>	(P _w)²	<u>.50</u>).35 5 :	P _d =	72.03	<u>></u> %	(P,	_c - 14.4) +	14.4 = <u>/</u>	1,4:			12 = 12		
(P _e)² - (F	> 12	(P)²- (P_)²		ose formula 1 or 2: L. P ₂ - P ₂	LOG of	Γ -] в		sure Curve		ר ק וֹ			0	pen Flow	
or (P _c) ² -(P _d) ²			formula 2. P 2 P 2 1. or 2.			Slope = "n"		n x LOG		Antilog			liverability				
(P _c) ² - (P _d) ²				divided by: Pc - P2		and divide P2.P2]	Assigned Standard Slope						Lquai	Equals R x Antilog Mcfd	
69.70		19.552		3.565		,552			.654		. ,	,361		2.296		268	
Open Flow 268 Mcfd @ 14.65 psi					5 psia		Deliverability				Mcfd @ 14.65 psia						
The u				n bel	nalf of the Co	ompany, sta	tes that he	e is duly a	authori	ized to mal	ke the abo	ve report and	that he	has knov	vledge o	of the facts	
		_	-		ue and corre			1/	1#	day of	, 2	exten	ber			19 99.	
											1121	\ \ \	Stisi	Ur			
			Witness	(if any	')			-			ary	For	Company				
										,							

For Commission

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

**	/	Fo
<i>X</i> '		

Type Te	st	(See Instructions on Reverse Side)												
[] ○														
Пр	eliver	abiltv			`Test Da	te:			API	No. 15 -19	9-00014	0001		
Compan				_	Lease				•			1	Well Nu	mber
Mull Drilling Company, Inc.					· .	Sexso	n				1111			
County Location			Section		TWP	_	RNG (E/W)			Acres Attribu		ttributed		
Wall	ace		NW	NE SW	19 Reservo		139	13S 42W						
Field						•		Gas Gathering Co				_		
Sexs Completi		**			Morro		High Plains Packer Set at				<u>Gas Gat</u>	heri	ng,	Inc.
•		ne			-	ck Total Dep	pın		Packer So	et at				
8-12-98 Casing Size Weight				-ht	5015	Diameter	Cot		Dorfor					
Casing Size			_	=				Set at		Perforations		To ·	01/	
2.875 6.5 Tubing Size Weight				2.441	Diameter	5062 Set at		Perforations		5006	5014 To			
rabing 5	1120		*****	y. ic	antennar i	Diameter	351 6	21.	Lettoi	auons		IO		
Type Completion (Describe) Type Fluid Production -Pump Unit or Traveling Plunger? Yes / No														
Gas		(-	,		None				No		163 /			
	g Thn	ı (Anı	nulus / Tubin	g)		n Dioxide		% Nitrogen			Gas Gravity - G			
	_													
Producing thru Casing Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size											werl Size			
3,08														
Pressure Buildup: Shut in 8-2 19 99 at 10:00 (PM) Taken 8-5 19 99 at 10:00 (PM)														
Well on Line: Started 8-5 19 99 at 10:00 (PM) Taken 8-8 19 99 at 10:00 (AM) (PM)														
				•			- (3) (1)	rancii		13	<u> </u>		e	UM) (PM)
						ORSEDV	ED SURFAC	EDATA					77	2
<u> </u>			Circle one:	Pressure	i	OBSERV	Cas		T.		Duration of	Snut-ir	<u> </u>	2 Hours
Static / Dynamic	Ori		Meter or	Differential	Flowing Temperature	Well Head	Wallboad	-		Tubing Wellhead Pressure		on	Liquid	Produced
Property	Property inches Prover Pressure in (h)				t	Temperature t	e (P_) or (P	(P _e)	· (P,) or ((P,) or (P,) or (Pc)		;)	(Barrels)	
			psig	Inches H ₂ 0			psig	psia psig		psia			-	
Shut-In	Shut-In						250	50				l		-
Flow	Flow //'		96	SULE	78.3						72			
Flow 1" 95.5 40.5			100	l	100			<u> </u>	1/2					
				······		FLOW ST	REAM ATTR	BUTES	·					
Plate			Circle one:	Press	Grav	rity	Flowing	Tavis		iation Metered Flow		GOR	- 1	Flowing
Coefficient (F _s) (F _s) Mcfd 4.912		Meter or Prover Pressure psia		Extension	Fac		Temperature Factor	Fac	tor	R	(Cubic Fe		,	Fluid
				√ P _m x H _m	F,		F _n	F,		(Mcfd)	Barrel)		Gravity G_	
				1:1 715	- / ^-	7.3		1						
4.11	\sim	./	09.19	66.715	1,0	<u>/5</u>	,983	1.10	77	35,2	<u>- </u>			
					(OPEN FLO	OW) (DELI\	VERABILITY)	CALCULA	ATIONS			/D \2	0.00	•
(P _c) ² = <u>*</u>	9.9	0.7	(P_)2 =	13.087	₽.=	18.72	.% (P	- 14.4) +	14.4 = 14	4.			= 0.20 = 120	
				Choose formula 1 or 2:	T				<u></u>	' :		1 1		
(P _e) ² - (P	,)°	(P	.)2-(P_)2	1. P.2-P.2	LOG of			sure Curve e = "n"	1			.	•	n Flow
or (P _a) ² - (P _a) ²			2. P 2 - P 2 1. or 2.		or		٠.	- n x LOG		Antilog		Deliverability Equals R x Antilog		
(, ^c) (,	"		1	divided by: P2-P2	and divide by:	P.2 - P.2		iignea ird Slope		LJ		- 1		lcfd
69.70	2		100	1-27		200	+	-1		-0	11.	75		
61,10		26	2820	1, ZZ7	ے ، ب	089	16	>24	10	58	1.14	<u>'S</u>	40	22
	ı		1							Ì				
Open Flow		1:1		144 8 14 6										
Open Flow 402 Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia														
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts														
							16+	4-			1		•	93
iaieu inere	stated therein, and that said report is true and correct. Executed this the													
Marin A Atrain														
			Witness (i	if any)	· · · · · · · · · · · · · · · · · · ·			-1 41	cay, u	For C	ompany			
									U		•			
			For Comm	nission			_			Chec	ked by	<u></u>		



September 16, 1999

Jim Hemmen Kansas Corporation Commission State Office Building 130 S. Market, Room 2078 Wichita, Kansas 67202

Sexson #1-19 RE:

NW/4 NE/4 SW/4 Section 19-13S-42W

Wallace County, Kansas

Dear Jim:

Attached please find two one point tests for our Sexson #1-19 well in Wallace County. The first test was run using KCC guidelines for flowing tubing pressure. As you can see, this first test resulted in an unrealistically low open flow deliverability. Therefore, we also recorded a later flow with a greater drawdown. I feel this second test is much more representative of the actual productivity of the well. It appears that the Sexson #1-19 experiences fluid loading in the 2 7/8" casing when the well is flowed with a wellhead pressure of 75% to 95% of wellhead shut-in pressure, resulting in an inaccurate test.

Both tests are submitted for your review. Mull Drilling Company requests that the KCC utilize the second test with a calculated open flow of 402 MCFD as the annual state test. If you have any questions or concerns, please give me a call.

Sincerely,

Mark A. Shreve President/COO

MAS:tt **Enclosures** cc:

Nancy

221 N. MAIN • SUITE 300 • P.O. BOX 2758 • WICHITA, KS 67201-2758 • 316 264-6366 • FAX 316 264-6440