STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

County:	Conservation [Division							Form C-5 R	evised	
County: Location: E/2 NE SW	TYPE TEST:	Initial	Annual	Workover	-	Reclassificati	on		TEST DATE	9/12/97	7
Country	Company:					Lease:				Well No.:	
Harper E/2 NE SW		GRAVES D	RILLING CO	D., INC			SIMPSON		<u> </u>		
Field: Spivey Grab (NON PROF) Mississippian TRIDENT/NCRA	County:						Township		Range		
Spivey Grab (NON PROF)		Harper	E/2 NE SW	<u>/</u>		4-32S-9W				60	
Completion Date: Type Completion (Describe): Flug Back T.D. Packer Set At	Field:					Pipeline Connection	อก				
12-27-76 Single Purmping: XGas Lift: Oil & Water API Gravity of Liquid/Oil	Spivey Grab	(NON PROF	:)	Mississippian							
Production Method: Pumping: XGas Lift: Oil & Water API Gravity Of Liquid/Oil 27.1	Completion Date:		Type Comple	•			Plug Back T.D.			Packer Set At	
Flowing: Pumping: XGas Lift: Dil & Water 27.1		12-27-76									
Casing Size	Production Method						API Grav	ity			
Tubing Size	Flowing:	Pumping: >	Gas Lift:	Oil &		Water			27.1		
Tubing Size	Casing Size		•	I.D.					=		
Pretest: Starting Date: 9/11/97 Time: Ending Date: 0 Time: 24	<u> </u>	5 1/2				4327'					
Pretest: Starting Date: 9/11/97 Time: Ending Date: 0 Time: Duration hrs. 24	Tubing Size		Weight	I.D.		Set At	Perforations		То		
Starting Date: 9/11/97 Time: Ending Date: 0 Time: 24 Duration hrs.		2 1/2"									
Test:		_									
Starting Date: 0 Time: 11:00 a		9/11/97	Time:			Ending Date:	0		Time:		
Producing Wellhead Pressure		_									
Producing Wellhead Pressure Separator Pressure Choke Size	Starting Date:	0					9/12/97		Time:	11:00 a	24
Casing: Tubing: Tubing: TANK	· · · · · · · · · · · · · · · · · · ·		OIL PROD	UCTION OBSE	RVED						
Bbls./In.											
Size Number Feet In. Barrels Feet In. Barrels Water Oil				,		,			r		
Pretest: 200 47516 0 0 0 0 0.00 0 0 0 0 0 0 0 0 0 0 0	Bbls./In.	+									
Test: 200 47516 0 0 0.00 0 0 0 0.00 0		size	number	Feet	ln.	Barrels	Feet	<u> In.</u>	Barrels	Water	Oil
Test:	Pretest:		ł		1		•			:	
Confice Connections		200	47516	0	0	0.00	0	0	0.00		0.00
Coeff. MCFD Meter-Prov Extension Coeff. MCFD M	Test:										
Continue Connections Con		200	47516	4	10.5	97.70	4	11.8	99.78	80	2.09
Orifice Meter Convertions Orifice Meter Range Pipe Taps: Flange Taps: Differential: 2" Static Pressure: 31 PSI Measuring Device Run-Prover- Size Meter-Prover-Tester Pressure In.Water Psig or (Pd) Diff. Press. (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter 2" 3/4" 2" 31 2" 0.666 90 Critical Flow Prover Orifice Well Tester 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td>Test:</td> <td>ł</td> <td>•</td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td>	Test:	ł	•								
Orifice Meter Convertions Orifice Meter Range Pipe Taps: Flange Taps: Differential: 2" Static Pressure: 31 PSI Measuring Device Run-Prover- Size Meter-Prover-Tester Pressure In.Water Psig or (Pd) Diff. Press. (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter 2" 3/4" 2" 31 2" 0.666 90 Critical Flow Prover Orifice Well Tester 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td>. <u></u></td> <td><u> </u></td> <td><u> </u></td> <td></td> <td><u></u></td> <td></td> <td></td> <td><u></u></td> <td><u> </u></td> <td>l<u> </u></td> <td></td>	. <u></u>	<u> </u>	<u> </u>		<u></u>			<u></u>	<u> </u>	l <u> </u>	
Pipe Taps: Flange Taps: Differential: 2" Static Pressure: 31 PSI		.	GAS PRO	DUCTION OBS	ERVE						
Measuring Run-Prover Orifice Meter-Prover-Tester Pressure In. Merc. Psig or (Pd) Diff. Press. Gravity Flowing Temp. (t)		nnections	_						-		
Device Tester size Size In.Water In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t)	<u> </u>						2"		D:45 D		
Orifice Meter 2" 3/4" 2" 31 2" 0.666 90 Critical Flow Prover Orifice Well Tester GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prov Extension Gravity Flowing Temp. Deviation Factor (Fb) (Fb) (OWTC Press. (Psia) '/' hwx Pm Factor (Fg) Factor (Ft) Factor (Ft) Factor (Fd) 2.779 / 75.4 9.529 1.225 9723 973 1.0 Gas Prod. MCFD Oil Prod.					ester i				1		
Meter 2" 3/4" 2" 0.666 90 Critical Flow Prover Flow Prover 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 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 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 <td></td> <td>l ester size</td> <td>Size</td> <td>in.vvater</td> <td></td> <td>In.Merc.</td> <td>Psig or (Pa)</td> <td></td> <td>(nw) or (na)</td> <td>Gas (Gg)</td> <td>remp. (τ)</td>		l ester size	Size	in.vvater		In.Merc.	Psig or (Pa)		(nw) or (na)	Gas (Gg)	remp. (τ)
Critical Flow Prover Critical	1	0.1	0.40	011			24		0"	0.000	00
Flow Prover		2"	3/4"	2"			31			0.000	90
Orifice Well Tester GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prov Extension (Fb)(Fp)(OWTC Press.(Psia) '/' hwx Pm Gravity Flowing Temp. Factor (Ft) Deviation Factor (Fp Factor (Fd) Chart Factor (Fp Factor (Fd) 2.779 75.4 9.529 1.225 9.723 9.73 1.0 9.73 1.0 9.73 1.0 Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft.]		
GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prov Extension (Fb)(Fp)(OWTC Press.(Psia) '/' hwx Pm Gravity Flowing Temp. Factor (Fg) Factor (Ft) Deviation Prestor (Fp) Factor (Fd) Factor (Fd) 2.779		 									
GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prove Extension Gravity Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC Press.(Psia) '/ hwx Pm Factor (Fg) Factor (Ft) Factor (Fp Factor (Fd) 2.779 75.4 9.529 1.225 .9723 .973 1.0 Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft.		1									
Coeff, MCFDMeter-ProvExtensionGravityFlowing Temp.DeviationChart(Fb)(Fp)(OWTC Press.(Psia)'/' hwx PmFactor (Fg)Factor (Ft)Factor (FpFactor (Fd)2.77975.49.5291.225.9723.9731.0Gas Prod. MCFDOil Prod.Gas/Oil RatioCubic Ft	vveii rester		CAS EL O	N DATE CALC	LILATI	ONE (D)	l	<u> </u>	<u> </u>	1	<u></u>
(Fb)(Fp)(OWTC Press.(Psia) '/' hwx Pm Factor (Fg) Factor (Ft) Factor (Fp Factor (Fd) 2.779 ₱ 75.4 9.529 1.225 .9723 .973 1.0 Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft.	Coeff MCED	Motor Provi			ULAII		Flowing Ten	hn .		Deviation	Chart
2.779								IP.			
Gas Prod. MCFD Oil Prod. Gas/Oil Ratio 👸 Cubic Ft.			/ / IIWX F1								
V-,,			Oil Prod	3.023		1.220		io			
FUNK CREED 1 31 FUNDAMY / UD 1170 1477 1477 1477 1477	Flow Rate (R):		(GOR) -		14, \$ 22	per Bbl.					
The undersigned authority, on benalt of the company, states that he is duly authourized to make the above report and that he											
has knowledge of the facts stated therein, and that said report is true and correct. Executed this 22nd day of September, 1997											
Graves Drilling Co., Inc.		7	Kaller	90/		Graves Drilling	Co. Inc		Ade	will -	_
For OffseOperator For State For Company Form C-5 (5/88)	For OffseOperator For State						, ,			Form C-5	(5/88)

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