Form C-5 (5/88)

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT DEC

TFF TSST Initial Annual Workover Reclassification TSST DATE: 7-2-FF Company Lease Woll No. Healtar Drilling Company Location Southy Ford No. Location Section Township Range Acres County Ford No. No. No. 12 10 10 10 10 10 10 10 10 10 10 10 10 10	Conservat	ion I	Division			N TEST & C	OR REPU		1 1000	Form C-	-5 Revised
Hellar Drilling Company Hellar Drilling Hellar Drilling Hellar Drilling Hellar Drilling Company Hellar Drilling Hellar Drillin				Annua	Workove:	r Recla	ssifica	tion	TEST DATE:	12-12	-89
Hellar Drilling Company Kate Tourity Location Section Township Range Ares Ford NW NW NS 35 25 21 2	Company			- K L	 _	Lease					
Field Reservoir Coon Creek North Mississippi Coon Creek North Mississippi Coon Creek North Mississippi Coon Creek North Mississippi Clear Creek, Inc. Clear	Hell	lar I	Drilling	g Comp	any						
Field Reservoir Pipeline Commettion Clear Creek, Inc. Completion Date Type Completion(Describe) Plug Back T.D. Facker Set At None 8/27/88 Single oil 4787 Froduction Method: Type Fluid Production API Gravity of Liquid/Oil Flowing Pumping Gas Lift Oil 4802 4755-57 Taking Size 1.1 1.0. Set At Ferforations To 1587 1.1 1.2 Set At 162 4755-57 Tubing Size Weight I.D. Set At Ferforations To 2 3/8" 1.4 4802 4755-62 Fretesti Starting Late Time Ending Date Time Duration Hrs. Starting Late Time Ending Date Time Duration Hrs. Starting Date 12-12-85 Time 8:15 2 Ending Date 2-13-88 Time 8:15 2 Ending Date 3:15 2 Ending Gauge Ending Gauge Net Prod. Edits 14 2 Ending Wellhead Pressure Casing: Tubing: Starting Gauge Ending Gauge Net Prod. Edits 14 2 Ending Gauge Ending Gauge Net Prod. Edits 14 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge Ending Gauge Net Prod. Edits 15 2 Ending Gauge						Se				Acres	3
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Completion Date Single oil Single oil Froduction Method: Flowing Pumping Gas Lift Oil Flowing Pumping Gas Lift Oil Flowing Size Flowing			•					_			
Single oil 4787 None Froduction Method: Type Fluid Froduction API Gravity of Liquid/Oil Flowing Pumping Gas Lift Oil 40 A755-57 Tabing Size Weight 1.D. Set At Perforations To 2 3/8" 4762 4755-57 Tabing Size Weight 1.D. Set At Perforations To 2 3/8" Affec 4759-62 Fretast: Ending Date Time Ending Date Time Duration Hrs. Starting Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Date / 2 - /3 - 88 Time 8: /5 a. Ending Gauge Ending Gauge Net Prod. Sbls. And Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Frest: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 13				.h	<u>Mississir</u>	opi 75					
Froduction Method: Flowing Fumpin Gas Lift Ooil Strew Weight 1.D. Set At Ferforations Strew Weight 1.D. Set At Ferforations To 3/8" 14	Completion	n Dai	te	Тур							
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Tubing Size Weight I.D. Set At Perforations To 2 3/8" 4762 4759-62 Fretest: A 4762 4759-62 Fretest: Starting Date Time Ending Date Time Duration Hrs. Starting Date Time Ending Date Time Duration Hrs. Starting Date Z-/2-85 Time 8:15 Qm Ending Date Z-/3-88 Time 8:15 Qm Ending Gauge Net Prod. Ebls. Z-y	Flowing (Pur	nping	<u>Gas Lii</u>	<u>t </u>		F.	Pentons	+1 one		 -
Tubing Size 2 3/8" 2 3/8" 2 3/8" 2 3/8" 3 4762 4759-62 Pretest: Starting Date Time Ending Date Time Duration Hrs. Starting Date /2-/2-8° Time 8:/5 g., Ending Date /2-/3-88 Time 9:/5g OIL PRODUCTION OBSERVED DATA Producing Wellhead Pressure Casing: Tubing: Buls,/In. Tank Starting Gauge Separator Pressure Casing: Tubing: Buls,/In. Tank Starting Gauge Ending Gauge Ending Gauge Net Prod. Bbls. Water Oil Pretest: 200 Water 10/2 137.77 6 10/2 137.77 0 Test: 200 Water 10/2 137.77 6 10/2 137.77 0 Test: 200 Water GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tabs: Plange Tabs: GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tabs: Plange Tabs: Differential: Static Pressure: Differentia	Casing Si	. 28	WO1.	gnt .⊿	1.0.					10	
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Fretest: Starting Date Time Ending Date Time Ending Date Time Duration Hrs. Starting Date /2 - /2 - 88 Time 8 / 5 g.m. Ending Date /2 - /3 - 88 Time 8 / 5 g.m. Starting Date /2 - /2 - 88 Time 8 / 5 g.m. Starting Date /2 - /2 - 88 Time 8 / 5 g.m. Ending Date /2 - /3 - 88 Time 9 / 5 g.m. Producing Wellhead Pressure Casing: Tubing: Bbls./In. Tank Starting Gauge Ending Gauge Ending Gauge Net Prod. Bbls. Water Oil Pretest: 200 Water 6 10 / 2 137.77 6 10 / 2 137.77 0 Test: 200 Water 6 10 / 2 137.77 6 10 / 2 137.77 0 Test: 200 Water 6 10 / 2 151.14 8 / 3 / 2 170.34 19.2 Test: 200 Water 7 6 / 7 151.14 8 / 3 / 2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Flange Tabs: GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Orifice Meter Range Differential: Static Pressure: Diff. Press. Gravity Flowing Device Tester Size Size In. Water Time 8 / 5 g.m. GAS ANDW SATE CALCULATIONS (R) Gas Frod. MCFD Flow Prover Orifice Well Tester GAS ANDW SATE CALCULATIONS (R) Gas Frod. MCFD Flow Rate (R): Bbls./Day: 19.2 Gas/Oil Ratio Cubic Ft. Per Bol. 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 stated therein, and that said report is true and correct. Executed this the 12 day of Secember 1988	_		· MOT	Ruc	1.0.					10	
Starting Date /2-/2-85 Time 8:15 9.15 Ending Date /2-/3-88 Time 9:15 9.15 PRODUCTION OBSERVED DATA Froducing Wellhead Fressure Casing: Tubing: Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. Pretest: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 151.14 8 /2 170.34 19.2 Test: 200 Water 6 3 /2 25.88 3 3/1 25.88 0 Orifice Meter Connections GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Flangs Tans: Plangs Tans: Measuring Run-Prover-Orifice Meter-Prover-Testure Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. W)	NA NACE OF THE RES	and the property of	a proper Til sales de l'action	4/02		4/39	-02	 	
Test: 200 Worth 3 '/2 25.88 3 '/2 25.88 0 Test: 200 Worth 3 '/2 25.88 0 The Table: Flang Table: Flang Table: Flang Table: Flow Reter Connections Plang Table: Flang Table: Flang Table: Flow Reter Connections Plang Table: Flang Table: Flang Table: Flow Reter Confident Reter Ret		Da da		TP-1 w	••	Ending	Do+a		Time	Dura	ition Hrs.
Starting Date /2-/2-88 Time 8:15 Q. Ending Date /2-/3-88 Time 8:15 Q. OIL PRODUCTION OBSERVED DATA Producing Wellhead Fressure Casing: Tubing: Buls./In. Tank Starting Gauge Ending Gauge Net Frod. Bbls. Q. & Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Pretest: 200 Wester 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Wester 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Wester 6 10 /2 151.14 8 /2 170.34 19.2 Test: 200 Wester 6 10 /2 151.14 8 /2 170.34 19.2 Test: 200 Wester Connections GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tans: Flange Tans: Differential: Static Pressure: Measuring Run-Prover Orifice Meter-Prover-Tester Pressure Diff. Press. Cravity Flowing Device Tester Size Size In.Water.In.Merc. Paig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Connections GAS. FLOW Reter Calculations (R) Gas Prod. MCPD Meter-Prover GAS. FLOW Reter Calculations (R) Gas Prod. MCPD Meter-Prover GAS. FLOW Reter Calculations (R) Gas Prod. MCPD Meter-Prover GAS. FLOW Reter Calculations (R) Gas Prod. MCPD Oil Prod. Bbls./Day: 19 2 Gas/Oil Ratio Cubic Ft. Flow Rate (R): O Bbls./Day: 19 2 Gas/Oil Ratio Cubic Ft. 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 stated therein, and that 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 the 12 day of December 1988 Added M. Face.		Date		111	<u>пө</u>	шинд	Da Co '		110fe	Dure	tion Hrs
Froducing Wellhead Pressure Casing: Tubing: Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. W. 67 Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Pretest: 200 watcr 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 watcr 6 10 /2	Starting	Date.	12-12-9	S∕√ Tin	ne 8:15 Que	Ending 1	Date /2	-13-88	Time 8: /5		
Froducing Wellhead Pressure Casing: Tubing: Bbls./In. Fast: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 7 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 6 10 /2 137.77 6 10 /2 137.77 0 Test: 200 Water 7 6 15 /2 15 /1 8 /2 2 170.34 19.2 2 Test: 200 Water 6 10 /2 15 /1 8 /2 2 5.88 1 3 /2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections COFIFICE Meter Range Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In.Water In.Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Well Tester GAS. HOWER 6 12 Gas/Oil Ratio Cubic Ft. Bols. /Day: 17 2 Gas/Oil Ratio Cubic Ft. Bols. /Day: 17	5001 0111	20.00	<u> </u>		OIL PRODUC	CTION OBSE	RVED DA	TA			er and a series of the
Casing: Tubing: Buls./In. Tank Starting Gauge Ending Gauge Net Frod. Bbls. Q. 67 Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Pretest: 200 water 6 10 1/2 137.77 6 10 1/2 137.77 0 Test: 200 water 6 10 1/2 137.77 6 10 1/2 137.77 0 Test: 200 water 6 10 1/2 151.14 8 5/2 170.34 19.2 Test: 200 North 1 3 1/2 25.88 1 3 1/2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Diffice Meter Range Pipe Tang: Flangs Tags: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press, Gravity Flowing Device Tester Size Size In. Water, In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Size Size In. Water, In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Gas, MCFD Meter-Prover GAS, Monthson Gravity Flowing Temp. Deviation Chart Flow Prover Orifice Well Tester Gas/Oil Ratio Gas/Oil Ratio Guille Flow Rate (R): Debls./Day: 19,2 Gas/Oil Ratio Cubic Ft. Bbls./Day: 19,2 Gas/Oil Ratio Cubic Ft. Company Rates that he is duly authorized 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 the 13 day of December 1988 Additional Company Run-Prover Cubic Ft. Company Run-P	Producing	Wel	head Pre	ssure		Separat	or Pres	sure	த்துக்கைய் கொடிய ந	Choke	Size
Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. W. 67 Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Pretest: 200 Wafter 6 10 1/2 137.77 6 10 1/2 137.77 0 Test: 200 Wafter 7 6 1/2 151.14 8 6 5 2 170.34 19.2 Test: 200 Wafter 7 6 1/2 151.14 8 6 5 2 170.34 19.2 Test: 200 Wafter 6 1 3 1/2 25.88 1 3 1/2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tans: Flangs Tans: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In. Water-In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Critical Flow Prover Critical Flow Prover Orifice Well Tester GAS. FORM SETE CALCULATIONS (R) Gas Prod. MCFD Meter-Prover CAS. FOW SETE CALCULATIONS (R) Gas Prod. MCFD Press. (Psia) (Pm) Why x Fm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) 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 stated therein, and that said report is true and correct. Executed this the 1/3 day of Pecember 1988 ALLAND M. Acush Water Material Control of the Company of the											<u></u>
Pretest: 200 watcr 6 10 1/2 137.77 6 10 1/2 137.77 0 Test: 200 widdle 7 6 1/2 151.14 8 6 5/2 170.34 19.2 Test: 200 Watcr 6 10 1/2 151.14 8 6 5/2 170.34 19.2 Test: 200 Watcr 6 1 3 1/2 25.88 1 3 1/2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pine Taps: Flange Taps: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In. Water-In. Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Critical Flow Prover Gravity Flowing The Meter Critical Flow Prover Orifice Well Tester GAS. FINAL AFTE CALCULATIONS (R) Gasfr. MCFD Meter-Prover GAS. FINAL AFTE CALCULATIONS (R) Gas Prod. MCFD Press. (Psia) (Pm) Why x Fm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Flow Rate (R): O Oil Prod. Gas/Oil Ratio Cubic Ft. Flow Rate (R): O Bbls. /Day: // 2 Gas/Oil Ratio Cubic Ft. Per Bbl. 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 stated therein, and that said report is true and correct. Executed this the // 3 day of Pecember 1988 ALLAND M. Acus Manual M					Starting G	911 <i>0</i> A	<u> </u>	nding Gov	7.0	Mat Prod	Phia
Pretest: 200 watcr 6 10 137.77 6 10 137.77 0 Test: 200 widle 7 6 1/2 151.14 8 2 2 170.34 19.2 Test: 200 North 1 3 1/2 25.88 1 3 1/2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tabs: Flange Tabs: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. Werc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Connections Well Tester Size Size Size Size In. Water, In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) GAS, ROWN DETE CALCULATIONS (R) GAS, ROWN DETE CALCULATIONS (R) Gas Prod. MCFD Meter-Prover GAS, ROWN DETE CALCULATIONS (R) Gas Prod. MCFD Oil Prod. Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 KALLALAW Jacas Market				r Fee							
Test: 200 Worth 1 3 2 25.88 1 3 2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Orifice Meter Connections Orifice Meter Range Pipe Taps: Flangs Taps: Differential: Static Pressure: Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter No Gas. Flow Prover Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice No Prover Orifice Meter-Prover Gas. Flow Press. (Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Meter-Prover Gas. Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Dil Press. (Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Bls. /Day: /9.2 Gas/Oil Ratio Cubic Ft. Prov. Bls. /Day: /9.2 (GGR) = Der Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of Pecember 1988 Kullwal M. Jacus.	1.07		JC IVERIOU	• • • • • • • • • • • • • • • • • • • •	, , , , , , , , , , , , , , , , , , , ,	241.020	1000		,	WE UCI	
Test: 200 Worth 1 3 2 25.88 1 3 2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Orifice Meter Connections Orifice Meter Range Pipe Taps: Flangs Taps: Differential: Static Pressure: Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter No Gas. Flow Prover Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In. Water, In. Merc. Psig or (Fd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice No Prover Orifice Meter-Prover Gas. Flow Press. (Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Meter-Prover Gas. Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Dil Press. (Psia) (Pm) Why x Pm Factor (Fg) Factor (Ft) Factor (Fd) Gas Prod. MCFD Bls. /Day: /9.2 Gas/Oil Ratio Cubic Ft. Prov. Bls. /Day: /9.2 (GGR) = Der Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of Pecember 1988 Kullwal M. Jacus.	Pretest:	200	Stant	~ r 1	10 1/2	13777	6	10/2	137.77	0	
Test: 200 North 1 3 /2 25.88 1 3 /2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tabs: Flange Tabs: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In.Water.In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter No Gas. Gravity Flowing Temp. Orifice Well Tester Orifice Well Tester GAS. FROW PRITE CALCULATIONS (R) Gaseff. MCPD Meter-Prover Gas. Fractor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCPD Oil Prod. Bbls./Day: 19.2 Gas/Oil Ratio Cubic Ft. Bbls./Day: 19.2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1928 Kahand M. Jany. Jan.	11000301	1.200				1					
Test: 200 North 3 /2 25.88 3 /2 25.88 0 GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tabs: Flange Tabs: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In.Water, In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter No Gas. Gravity Flowing Temp. (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Well Tester GAS. ROWN PATE CALCULATIONS (R) Coeff. MGFD Meter-Prover Gas. (Psia) (Pm) Vhw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Bbls. /Day: /9,2 Gas/Oil Ratio Cubic Ft. Bbls. /Day: /9,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of Pecembar 1988 Kahand M. Laugh Character (R)	Test:	20	0 midd	le 7	6/2	151.14	8	6 8-12	170.34		19,2
GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Pipe Tans: Flange Tans: Differential: Static Pressure: Measuring Run-Prover- Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In.Water, In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter NO GAS. FLOW PRESSURE OF PROVINGENT OF STATE CALCULATIONS (R) Coeff. MCFD Meter-Prover GAS. FLOW PRESCORD GRAVITY Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC) Press. (Psia)(Pm) Vhw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Bbls./Day: /9.2 Gas/Oil Ratio Cubic Ft. Bbls./Day: /9.2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of Pecember 1988 **Rule A.	```			, .	211			1/			1 ,
Orifice Meter Connections Pipe Taps: Flange Taps: Differential: Static Pressure: Measuring Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Device Tester Size Size In.Water, In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter No Gas. Flow Reft CALCULATIONS (R) Gas. Flow Prover Gas. Flow Reft CALCULATIONS (R) Gas. Flow Reft Calculations (R) Gas. Flow Reft Calculations (Fig. Factor (Ft) Factor (Fpv) Factor (Fd) Gas. Flow Reft Calculations (R) Gas. Gas. Flow Reft Calculations (R) Gas. Gas. Flow Reft Calculations (R) Gas. Flow Reft Calcul	Test:	20	O North	h					25.88		0
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Pipe Taba: Flange Taba: Differential: Static Pressure: Measuring Run-Prover- Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Tester Size Size In.Water In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Orifice Meter Prover Orifice Well Tester GAS. FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prover Original Press. (Psia) (Pm) Whw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Dil Prod. Bbls./Day: /9,2 Gas/Oil Ratio Cubic Ft. Bbls./Day: /9,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of December 1988 KLANAW. Law.	Orifice M	eter	Connecti	ons		Orif.	ice Met	er Range			
Device Tester Size Size In.Water, In.Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Orifice Meter Critical Flow Prover Orifice Well Tester GAS. KTOW. PATTE CALCULATIONS (R) Caeff. MCFD Meter-Prover Meter Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Bbls./Day: /9,2 Gas/Oil Ratio Cubic Ft. Der Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of December 1988 Kaland W. Jaces Well Company & States						Diff	erentia	1:	Static F	ressure:	
Orifice Meter Critical Flow Prover Orifice Well Tester GAS. Flow Batte CALCULATIONS (R) Gas. Flow Batte CALCULATIONS (R) Gas. Flow Batte CALCULATIONS (R) Gas. Flow Rate (R): 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 stated therein, and that said report is true and correct. Executed this the Alberta W. Factor Alberta W. Factor Gas/Oil Ratio Cubic Ft. Gas/Oil Ratio Cubic Ft. Gore per Bbl. Alberta W. Factor Gay of Pecember 1988 Alberta W. Factor Alberta W. Factor Catherine Chart Factor (Fg) Factor (Fd) Cubic Ft. Gas/Oil Ratio Cubic Ft. Bbls./Day: // 2 Gore per Bbl. Alberta W. Factor Alberta W. Factor Catherine Chart Catherine Cubic Ft. Batteria W. Factor Cubic Ft. Batteria W. Factor Catherine Chart Catherine Catherine Chart Catherine Cubic Ft. Batteria W. Factor Catherine Cubic Ft. Batteria W. Factor Catherine Chart Catherine Chart Catherine Chart Catherine Chart Catherine Chart Catherine Chart Catherine Cubic Ft. Batteria W. Factor Catherine Chart Catherine Catherine Catherine Chart Catherine Catherine Catherine Catherine Catherine Chart Catherine Cather					Lce Meter-Pr	over-Teste	r Press	ure Dif	f. Press. (ravity F	'lowing
Flow Prover Orifice Well Tester GAS. FLOW PATE CALCULATIONS (R) Gasff. MCFD Meter-Prover Calculation Gravity Flowing Temp. Deviation Chart Factor (Fp) (Fp) (OMTC) Press. (Psia) (Pm) V hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Flow Rate (R): 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 Alberta W. Lally Charles Calculations (R) Gas/Oil Ratio Cubic Ft. Gorpon (Fd) Gas/Oil Ratio Cubic Ft. Gorpon (Fd) Flow Rate (R): Deviation Chart Factor (Fd)		T	ester Siz	e Size	In Water	In Merc.	Psig or	(Pd) (hw) or (hd) (las (Gg) T	<u>'emp. (t)</u>
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Flow Prover Orifice Well Tester GAS. RIVE PATE CALCULATIONS (R) Gasff. MCFD Meter-Prover (Notethision Gravity Flowing Temp. Deviation Chart Factor (Fp) (Fp) (OWTC) Press. (Psia) (Pm) V hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Flow Rate (R): Bbls./Day: /7, 2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of December 1988 Kaland W. Laley Charles Charles Company			100	2976	07/04/1	}+					
GAS, FINE PATE CALCULATIONS (R) Gasff. MCFD Meter-Prover (Notations) Gravity Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC) Press.(Psia)(Pm) V hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor(Fd) Gas Prod. MCFD Oil Prod. Bbls./Day: 19,2 Gas/Oil Ratio Cubic Ft. Bbls./Day: 19,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988	1	/er		CORP	089	121	30-	-881			i
GAS. FLOW BETE CALCULATIONS (R) Caeff. MCFD Meter-Prover Factor (Fg) Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC) Press. (Psia)(Pm) Vhw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Bbls./Day: /9,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the /3 day of Pecember 1988		-		74 - 175 C		 					-
GAS, FLOW, RATE CALCULATIONS (R) Gaeff. MCFD Meter-Prover (NExtension Gravity Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC) Press.(Psia)(Pm) Vhw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor (Fd) Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. Bbls./Day: 19,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 Related M. Laces Charter (Fg) Factor (Ft) Factor (Fd) Gas/Oil Ratio Cubic Ft. (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988	1	er			UEY ~~~	181011	•		}	ł	
Gas Prod. MCFD Gas Prod. MCFD Flow Rate (R): 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 stated therein, and that said report is true and correct. Executed this the Cas Prod. MCFD	GAS, FLOW RATE CALCULATIONS (R)										
Gas Prod. MCFD Oil Prod. Bbls./Day: 19.2 Gas/Oil Ratio Gore Bbls./Day: 19.2 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 Research W. Laces	Coeff. MC	FD	Meter-P	rover	1 (a) 1 (b) 1 (c)	*	20 10 100		emp. Deviat	tion C	hart.
Gas Prod. MCFD Oil Prod. Flow Rate (R): 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988						 -	•	_	- • I		
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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 **Result M. Faces** **Land											
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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 **Result M. Faces** **Land											
Flow Rate (R): Bbls./Day: 19,2 (GOR) = per Bbl. 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 stated therein, and that said report is true and correct. Executed this the 13 day of December 1988 Research W. Lacey			71		Oil Prod	•		Gas/Oil	Ratio		Cubic Ft.
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 stated therein, and that said report is true and correct. Executed this the								(GOR) =		per Bbl.
said report is true and correct. Executed this the 13 day of December 1988	The unc	dersi	gned auth	ority,	on behalf of	f the Comp	any, st	ates that	he is duly	authoriz	zed
Reshard W. Laces Thomas Thate	to make t	the a	bo ve re po	rt and	that he has	knowledge	of the	facts st	ated therei	in, and th	nat
For Offset Operator Reshard M. Lacey Thomas Heade	sald repo	ort is	s true an	d corre	ect. Execute	d this the		<u>7 d</u>	by of Dece	mber	
For Offset Operator For State					D.	Dans As	y La	,, <u> </u>	-)[_	-11.	1,
TO DEED DOUBLING TO THE PARTY PROPERTY FOR THE PROPERTY F	For Off	set (Operator		na	For State	race	7	For Com-	- Vel	2-15-88

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STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION $\frac{\partial \mathcal{L}(t)}{\partial t} = \frac{1}{2} \frac{\partial \mathcal{L}(t)}{\partial t}$

PRODUCTIVITY TEST BARREL TEST

OPERATOR Hellar Drilling Company LOCATION OF WELL NW NW NE									
LEASE Kate	OF SEC. 35 T 25 R 21W								
WELL NO. 3	COUNTY Ford								
FIELD Coon Creek North PRO									
Date TakenDa	te Effective								
Well Depth 4803 Top Prod. Form									
Casing: Size 5½" Wt. 14	Depth 4802 Acid 600 gal 15% acid								
Tubing: Size 2 3/8" Depth of Perfs	4739-82 Gravity 40								
Pump: Type Bore	Purchaser Clear Creek								
Well Status Pumping Pumping, flowing, etc.									
Pumping, flowing, etc.									
	TEST DATA								
	ntFieldSpecial								
STATUS BEFORE TEST: Flowing	SwabbingPumping								
PRODUCED HOURS									
SHUT IN HOURS									
DURATION OF TEST HOURS MI	NUTES SECONDS								
GAUGES: WATER INCHES PER									
OIL INCHES PE									
GROSS FLUID PRODUCTION RATE (BARRELS PER DAY)									
WATER PRODUCTION RATE (BARRELS PER DAY)									
OIL PRODUCTION RATE (BARRELS PER DAY) PRODUCTIVITY									
STROKES PER MINUTE									
LENGTH OF STROKE									
REGULAR PRODUCING SCHEDULE HOURS PER DAY.									
COMMENTS									
*									
WITNESSES:									
FOR STATE FOR OPI	ERATOR FOR OFFSET								