15.093-00040-0000 STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

Conservat	ion Di	vision		FIGDOTION	11101 G	O16 1621 O					Form	<u>C-5</u>	Revised
			nual	Workover	Recla	ssifica	tion	T	EST	DATE:		_ × .	
Company			Issue - Brown - B		Lease			46 - 1			Wel	1 N	Ο,
Amo	C À	Prod.	Ca			Herson	1						
County	<u> </u>	1,00		cation	Se	ction		ahi.p		Range	Acr	68	
Kear	nv		Ş	5E 14		23		3-22					
Field	-/-		Res	servoir			Pipe	line	Cor	nnecti	on		
Patter	(402)		1	Morrow				N	ne	<u>. </u>		_	
Completion			Type Co	ompletion(Describe)		Plug	Bac	k T	.D.	Pac	ker	Set At
8-13				oil Well				4784	<i>l</i>			N	ONE
Production	n Meth	od:		Тy	pe Fluid	Product	ion		A	I Gra	vity of	Liq	uid/0il
		ing Gas	Lift		011/w	<u>tr</u>					38.4		
Casing Si	ze	Weight	,	I.D.	Set A	t	Peri	orat	ion	3	Ψn		
		24#		6.366 I.D.	483c	٥		740			4752 To	<u>/z</u>	
Tubing Si	ze	Weight		I.D.	Set A	t	Peri	orat	ion	5	To		
2%		6.5#		2.441.	4743	3							
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Starting	Date	R-13-85	Time /	8:00 A.M	Ending	Date 8.	-14-8	² 5	Time	e 8:00			24
Tant						•					Du	rat	ion Hrs.
Starting	Date 8	2-14-85	Time	8:00 A.N	1. Ending	Date \mathscr{D} -	15-8	5	Time	8:00	DAM		24
				OIL PRODUC	TION OBSE	RVED DA	TA				<u></u>		
Producing	Wellh	ead Pressu			Separat			<u> </u>			Chok	e S	ize
Casing:	<u> </u>	Tubing											
	<u> </u>	Tank		tarting Ga	11 <i>g</i> ê	E	nding	Cens	<u> </u>		Net Prod		Bhls
Bbls./In.	Size		Feet	Inches	Barrels	Feet	Incl			rrels	Water		011
	2726	Y Number	1.000-	1 2.10.1.50	2411 010	1				<u> </u>		_	
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Test:	1300	1	 	 		 	 	=			 	-+	-
Test:			1	,		1		ĺ				- }	
1030.		,	 	GAS PRODUC	TION OBSE	RVED DA	TA		1.17		·		**************************************
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		Flange 1	-			erentia		-13-	Ç.	tatia	Pressure		
Pipe Taps	Pare			Meter-Pro	ver_Teste	r Prass	ure	Diff			Gravity		owing
Device		ter_Size S		In.Water	In Merc.	Peig or	(Pa)	(hw)	Or.	(64)	Cas (Co)	Te	mn. (t.)
Orifice		301 5120	7200	2.1.011.001		<u>- 015 01</u>	1.47	\/		7:14	445 /44/	-	<i>mps</i> (5)
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Orifice]			·						
Well Test	ter			<u> </u>									
			(GAS FLOW R	ATE CALCU	LATIONS	(R)						
Coeff. MC	CFD	Meter-Pro	ver	Extensio	n Gravi	ty l	Flowi	ıg Te	mp.	Devia	tion	Ch:	art
		Press (Psi	la)(Pm)			r (Fg)					r (Fpv)	Fe	ctor(Fd)
1													
l 				l		<u> </u>			i	<u> </u>			
Gas Prod	. MCFD			Oil Prod.	<u> </u>	·	Gas/			0 ,		C	ubic Ft.
Flow Rate	(R):	NOVE		Bbls./Day	. 94	β		(GOR)	E	NA			er Bbl.
The un	dersign			behalf of	the Comp							ize	d
to make	the abo	ove report	and th	at he has	knowledge	of the							
said rep	ort is	true and	correct	. Executed	l th is t he			_a_da	у 0.	f		1	9
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For Of	rset Op	perator		// > F	or Staté	-		Jrare	R	of Con	ipfina /		
				[/ ·			,	HINIP	יטפוזיי	MULLDE	COMMISSION)	

STATE OF KANSAS - CORPORATION COMMISSION

์ JUL PRODUCTION TEST & GOR REPORT 1 1989 Form C-5 Revised . Conservation Division TYPE TEST: Initial Annual Reclassification Workover TEST DATE: Company Lease G.O. tatterson Amoco Frod. C Location Section County Township Range Acres SE 14 Keam 2322 23 38 Field Reservoir Pipeline Connection NA tatterson Morrow Type Completion(Describe) Completion Date Plug Back T.D. Packer Set At 4784 N/A B-13-41 Production Method: Oil well ype Fluid Production API Gravity of Liquid/Oil nillwater Flowing Pumping Gas Lift Casing Size Weight Perforations I.D. Set At Τō 24# 4830 4740 6.366 Tubing Size Weight I.D. Set At Perforations 27/8" 2.441 6.5# 4743 Duration Hrs. Pretest: Starting Date 6-20-89 Time 10:00A.M Ending Date 6-21-89 Time /0:00 Am. 24 Duration Hrs. Starting Date 6-21-89 Time 10:00 A.M. Ending Date 6-22-89 Time 10:00A.m. 24 OIL PRODUCTION OBSERVED DATA Choke Size Producing Wellhead Pressure Separator Pressure Casing: Tubing: Ending Gauge Bbls./In. Tank Starting Gauge Net Prod. Bbls. Size Number Feet Inches Barrels Feet Inches Barrels Water Oil 32 127 207 10 Pretest: 500 143672 159 2/2 3/ 500 143672 Test: Test: GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Orifice Meter Range Differential: Static Pressure: Pipe Taps: Flange Taps: Diff. Press. Gravity | Flowing Run-Prover- Orifice Meter-Prover-Tester Pressure Measuring In. Water In. Merc. Paig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Device Tester Size Size Orlfice RECEIVED STATE (ORPORATION CONT. Meter Critical iui - 7 **19**89 Flow Prover Orifice COUSERVATION DIVISION Well Tester GAS FLOW RATE CALCULATIONS (R) Flowing Temp. Deviation Chart Extension Gravity Meter-Prover Coeff. MCFD Factor (Fg) Factor (Ft) Factor (Fpv) Factor(Fd) (Fb)(Fp)(OWTC)|Press.(Psia)(Pm)| V hw x Pm Oil Prod. Gas/Oil Ratio Cubic Ft. Gas Prod. MCFD Bbls./Day: 32 (GOR) = per Bbl. 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 day of said report is true and correct. Executed this the____

For State

For Offset Operator

STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

Conservat	ion Di	vision			TEDI & G	טת תבירטו	πI			Form	C-5 Re	vised
TYPE TEST	: Ini	tial An	nual	Workover	Reclas	ssifica	tion	TEST	DATE:			
Company					Lease				- 1	Wel	l No.	
Amoca	Pro	duction		G.O.	Patterso	لم					1	
County				cation	Sec	ction		ship	Range	Acr	85	
Kearn	<i>l</i>		<u></u>	E 1/4	2	る '`		3 22				
Field			Re	servoir			Pipe	line Co	nnecti	on		
Patter			N	Morrow				No	Ne.			_
Completion	n Date		Type C	ompletion(Describe)		Plug	Back T	.D.	Pac	ker Se	t At
8-13-4	l	•	. 0	il Well			4	784	•		NONE	<u>_</u>
Production	n Meth	od:		Ту	pe Fluid		ion	A	PI Gra	vity of	Liquid	7011
Flowing	Pump	ing Gas Weight	Lift		oil/w	ater				<u> 36 </u>		
Casing Si	ze			1.D.	Set A			oration	9	To		
7		24=	<u> </u>	6.366 I.D.	4830	<u>></u>		<u>740 </u>		4752.	5	
Tubing Si	ze	Weight			Set A		Perf	oration	8	To		
27/8		6.5-	#-	2.441	4746							
Pretest:											ration	
Starting	Date:	6-2-88	Time	7:30 A.M	• Ending	Date 6	<u>-3-88</u>	7 Tim	e 9:3	OA.M.	2	
Test:	D . I	1 2 00	<u> /</u>	2. 2. 4				.	0.2	Du	ration	Hrs.
Starting	Date	6-2-88	Time	7:30 A.M	Ending	Date 6 •	4-82	Tim	e 7; 5	OA.M		<u> </u>
			(OIL PRODUC								
	MeTTU	ead Pressu			Separate	or Pres	sure			Chok	e Size	
Casing:		Tubing										
3bls./In.		Tank		tarting Ca			nding			Net Pr		
	Size	Number	Feet	Inches	Barrels	Feet	Inch	es Ba	rrels	Water		11
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Drifice N	eter C	onnections		dro inoboo		ice Met		ge				
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Measuring				Meter-Pro						Gravity		0.2
Device		ter Size S			In Merc.							
Orifice						<u> </u>		DC	05111			
Meter							ST	ATE CORPOR	ATION CO	Marian	_	
Critical										MMISSION -	- C	2.20
Flow Prov	rer								لـم		1-2	8-88
Orifice		1					{	טטנ,	2 8 198	38		
Well Test	er						7-(-	000				
				GAS FLOW R				CONSERVA	TON OWN	in.		
Coeff. MC		Meter-Prov		Extension				g Telipit			Chart	
(Fb)(Fp)(OWTC)	Press.(Psi	a)(Pm)	hw x Pm	Facto:	r (Fg)	Factor	(Ft)	Facto	r (Fpv)	Facto	r(Fd)
	ì]	1	i						- 1
				1					<u> </u>			
Gas Prod.		A 10 - 12-		Oil Prod.				il Rati	° N/A	`		c Ft.
Flow Rate		NONE	+	Bbls./Day	: 3 /	200		GOR) =			per	ROT.
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PRODUCTIVITY TEST BARREL TEST

ULE 82-3-202 o						
						shall be taken as
rdered by the	Commissi	on at tw	elve mont	h intervals	thereafter.	
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IELD Patte	rson _		 	· 		
RODUCING FORMA	TION	moss	ow_	<u> </u>	PURCHASER	ratadar
PERATOR <u>()</u>	eco P	roduce	tion C	2	ADDRESS (if new opera	itor)
ease_ <i>HO</i>	Patte	TOTO .	 		· · · · · · · · · · · · · · · · · · ·	·
* WELL NO.	SEC.	TWP.	RGE.	BOPD	WATER %	DATE TAKEN
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*NOTE: IF THE WELL IS TEMPORARILY ABANDONED AT TIME OF TEST, BUT AT A LATER DATE IS PUT ON PUMP, PLEASE HAVE IT TESTED AT THAT TIME. THIS PREVENTS OVERPRODUCTION ON THE TABLE "B" REPORT. TO SCHEDULE A TEST CALL: DISTRICT OFFICE #6, 1014 CODY, HAYS, KANSAS 67601 (913) 628-1200.

STATE CORPORATION COMMISSION OF KANSAS. CONSERVATION DIVISION

RECEIVED STATE CORPORATION COMMISSION

AUG 2 8 1985

CONSERVATION DIVISION Wichita, Kansas



PRODUCTIVITY TEST BARREL TEST

15-093-00040-0000

OPERATOR AMOCO Prod	Co _ LOCATION	of well SE 1/4	
LEASE G.O. Patters	on of Sec. Z	3 T 2322 R	38
	COUNTY		
FIELD Patterson		1 .	
Date Taken 7	-9-92 Date Effect	ive <u>7-9-92</u>	
Well Depth 4784	Top Prod. Form 4740	Perfs 4752	_
Casing: Size 7"			
Tubing: Size 2 1/8"			
Pump: Type Trovling Barre	L_Bore	Purchaser	Koch
Well Status <u>Pumping</u> Pumping, flowi			
		TEST DATA	
	Permanent	Field	_Special
		Swabbing	_
STATUS BEFORE TEST:			•
produced 24 ho			
SHUT IN HO			
DURATION OF TEST 24 HO		SECONDS	
GAUGES: WATER 3" IN			
· 01L <u>9.4"</u> IN			
GROSS FLUID PRODUCTION RATE			·
WATER PRODUCTION RATE (BARRE			
OIL PRODUCTION RATE (BARRELS	,		PRODUCTIVITY
STROKES PER MINUTE 8			•
LENGTH OF STROKE /c			
REGULAR PRODUCING SCHEDULE COMMENTS	HOURS PER	R DAY.	
			
			
UTTENED CORO.			
WITNESSES:		1/2/2	
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FOR STATE	for operator		FOR OFFSET

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TON	N	1 mil	•

1 PRODUCTION TEST & GOR REPORT Conservation Division Form C-5 Revised TYPE TEST: Initial (Annual Reclassification Workover TEST DATE: -20-90 Well No. Company 4moca Location Section Township Range County SEY 38W Floid + Allerscal Pipeline Connection Reservoir MORACHL Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At Type Fluid Production 9-13-41 Production Method: API Gravity of Liquid/Oil Flowing Pumping Gas Lift Casing Size I.D. Set At Perforations -4784 5690 Perforations Set At Tubing Size I.D. 27/8" 1740-475242 1740 Pretest: Duration Hrs. Time //: on AM Time //:ocall Starting Date /2-18-90 Ending Date 19.9n 24 Starting Date 6-19-90 Time /1:00 AM Ending Date 6-70-90 Time ///ock/ OIL PRODUCTION OBSERVED DATA Producing Wellhead Pressure Separator Pressure Choke Size Casing: Tubing: Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. Size Number Feet Inches Barrels Feet Inches Barrels Oil Water 95 Pretest: 300 120929 Test: Test: GAS PRODUCTION OBSERVED DATA Orifice Meter Range Orifice Meter Connections Flange Taps: Differential: Static Pressure: Run-Prover-Orifice Meter-Prover-Tester Pressure Diff. Press. Gravity Flowing Pipe Taps: Measuring In. Water In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Device Tester Size Size Orlfice Meter Critical Flow Prover Orifice Well Tester GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prover Extension Gravity Flowing Temp. Deviation Chart (Fb)(Fp)(OWTC)|Press.(Psia)(Pm)| V hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor(Fd) Oil Prod. Cubic Ft. Gas Prod. MCFD Gas/Oil Ratio Flow Rate (R): per Bbl. 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 20 day of Que For State For Company For Offset Operator

COMBORVATION COLUMN

Milan Koras

15.093.00040-0000

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

Conservat	ion Di	vision		PRODUCTION	1551 & 0	on nero.	n1	AUG	1 1988	Form (C-5 Revised
YPE TEST	: Ini	tial An	nual	Workover	Rocla	ssifica	tion	TEST	DATE:		
ompany					Lease					Wel	l No.
Appea	Proc	faction		G,O.		مما					1
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				servoir			Pipe	line Co		on	
Patter		·		Morrow	·			No	Ne.		
Completion	_		Type C	ompletion(Describe)		Plug	Back T	.D.	Pac	ker Set At
8-13-4				il well		a .	4	<i>784</i>	,		NONE
roduction				Ту	pe Fluid		ion	· · · A	PI Gra	vity of	Liquid/Oil
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Starting	Date	4-3-80	× πima ζ	7:30 A.M	Fnding	Data &	4_00	ታ ጥ፥ _ም	9:3	OA.M.	ration ars.
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DIS./IN.		Number	Feet	tarting Gar	uge Barrels	Feet	nding Inch		rrels	Net Pro	od, Bbls.
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rifice M	eter C	onnections			Orii	ice Met	er Ran	ge			
ipe Taps		Flange T	aps:		Diff	'erentia	1:	_5	tatic	Pressure	* ************************************
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evice	Tes	ter Size	海南FIT	In Water	In Merc.	Psig or	(Pd)	(hw) or	(hd) (Gas (Gg)	Temp. (t)
rifice		STATE CORPOR	antion con	WWIPPION			j		·		•
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ritical		مارم	32919	188	8-29	<i>-</i> 0	· 1		1		
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722 2000	<u> </u>			BAS FLOW R	ATE CALCU	LATTONS	(R)				The state of the state of the state of
coeff. MC	rn n	Meter-Prov		Extension				g Temp.	Devie	tion	Chart
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	<u> </u>		/ \/	7 3211 20 2 111	1 2 3 3 3				3.5.5.5	<u>- \- \- \- \- \- \- \- \- \- \- \- \- \-</u>	<u> </u>
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Gas Prod.	MCFD	· 	 	Oil Prod.	· · · · · · · · · · · · · · · · · · ·		Gas/C	il Rati	.0		Cubic Ft.
low Rate	(R):	NONE		Bbls./Day				GOR) =	~ N/A	a .	per Bbl.
			ty. on	behalf of	the Comp	any, st			is dul	y author:	
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airepo	rt is	true and c	orrect	. Executed	this the	4		day o		LUO	19 <i>88</i>
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For Off	set Ope	erator	/.	//) F	or State			F	or Comp	lang	-
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