STATE OF KANSAS - CORPORATION COMMISSION

Conservat	ion Div	vision		PRODUCTION	V TEST & (OR REFO	ORT 15	5-12	9-2	100	D-BOT	C-5 Revised
TYPE TEST	Ini	tial) A	nnual	Workove	r Recla	ssifice					10/31/8	
Company			 		Lease					·····		I No.
Anadarko	Petrol	eum Corpo	<u>oration</u>	cation	USA "L"							7
County			Lo	cation	Š€	ection	Tow	nshij	e R	ange	Acr	es
Morton			165	0' FEL &	990' FNL	4	33.	<u>S</u>	<i>4</i> ⊇ Conn	OW		
Field			Re	servoir			Flp	eline	e Conn	ecti	on	
			Upper	Morrow D			J∽i	M Pet	roleu	m		
Completio	n Date		Type C	ompletion((Describe)		Plu	g Bac	ck T.D	•	Pac	ker Set At
10/6/89	_		Sin	gle Oil				54	146			
Productio		_			ype Fluid	Product	tion		API	Gra	vity of	Liquid/Oil
Flowing Casing Si	(Pump	ing Ga	s Lift		Oil & N Set A	<i>later</i>				41	.0	
	ze						Per.	forat	tions		To	
4.50		11.6		4.00	Set A	5695			5	<u>334</u>	5	344
Tubing Si	ze	Weigh	it	T.D.	Set A	lt	Per	forat	ions		То	
2 3/8		4.70	2	1.995		5306					_	
Pretest:											Du	ration Hrs.
Starting	Date 1	0/29/89	Time	11:00	Ending	Date	0/30/	89	<u>Time</u>	11:		24
Test:	P. 1 -				5 11	5 .						ration Hrs.
Starting	Date 1	0/30/89		11:00				<u>89</u>	Time	11:	00	24
				OIL PRODUC						~		
Producing					Separat	or Pres	ssure				Chok	e Size
Casing:	25	Tubin				25						/64
Bbls./In.		ank		tarting Ga			Ending					od. Bbls.
	Size	Number	Feet	Inches	Barrels	· Feet	Incl	nes	Barr	<u>els</u>	Water	011
	_			i							1	•
Pretest:	300	West	0		0	2	1.0	2	55.	<u>69</u>	17.40	55.69
T	300	West	2	7.0	55.50	_			770			
Test:	300	West		10	55.69	5	8		112.	32	31.90	56.63
Test:			-]	j	ŀ				•		_
			· · · · · · · · · · · · · · · · · · ·	GAS PRODUC	TION OBSE	RVED DA	TA					
Orilice M	eter Co	nnection				ice Met		nge				
Pipe Taps						erentia			Sta	tic	Pressure	•
Measuring				Meter-Pro								Flowing
Device		ter Size		In Water								Temp. (t)
Orifice						 					41013	
Meter									JAN	1 1 1	<u> </u>	
Critical	1	ļ						01	-11-90) [,,,	
Flow Prov	er			ļ				C	ONSF91'A	TOTAL	3401011	
Orifice					}				AA1CUHE	и Кале	Aşsumed	
Well Test	er	2"	3/8	TAC ELOST E	A''	T A TITONIC	1 (p)	<u> </u>			<u> 700</u>	60°
0 - 82 3/0		4 . 4		GAS FLOW F	1-11-11-11-11-11-11-11-11-11-11-11-11-1				75		***************************************	
Coeff. MC		Meter-Pro		Extension			Flowi					Chart
(Fb)(Fp)(OWIGHT	ress.(rs	TRIVILLY	Vhw x Pn	I FACEC	r (Fg)	Paccol	<u> </u>	/ 	acto	r (Fpv)	Factor(Fd)
26.0	1									_	_	7 0
Gas Prod.	MCED	REC	EIAE			58	Goa/	741 E	atio		·	1.0 Cubic Ft.
Flow Rate	(B).	OIL & GAS CONS	ERVATION COM	MOSSIONProd. OBbls./Day	, 7: 56.63			GOR)		438		per Bbl.
The und	ersione	<u>northroag</u>	itv. on	behalf of	the Comm						v guthor	
to make t	he abov	renant	(andicth	at he has	knowledge	of the	fact	s sta	ted t	here	in, and	that
said repo	rt is t	true and	correct	. Executed	this the	3	1	da	y of	Octol	ber	19 89
•		OKLAHOM							-			
		<u>UKLAHUM</u>	MENDERINA	 				_	Joe Do			·
For Off	set. One	rator	いんけつりけい	<u>ਜ</u>	or State				For	Com	ng mar	

STATE OF KANSAS - CORPORATION COMMISSION FEB 1 1990 PRODUCTION TEST & COR REPORT

Conservat	ion Di	vision		PRODUCTION						For	ц С-	5 Revised
TYPE TEST	' In	itial (Annual	Workover		asoifice	tion		EST DAT	E: 02-00	-90	
Company			7		Lease	۸ نـ						No.
Anadarka County	<u>retr</u>	oleum (voro.	cation	<u>V</u>	ection	Tow	nshi	o Ran	<u> </u>	cres	
_				-		04		335		ω N	:1-6B	
<u>Morton</u> Field			Re	50 FEL - 99 servoir	<u> </u>		Pip	eline	Connec			
			Unne	Morrow)) .		-		Petroleu			
Completio	n Date	3	Type C	r Morrow) ompletion(Describe)	Plu	g Bac	k T.D.	Pe	icke	r Set At
10-06-				ale Oil			5	1446			Non	-
Production	n Meth		;	J 75	po Fluid	Product	ion		API G	ravity of	Lic	quid/011
Flowing		oing G Weig	as Lift	1.0.	0:1 & We	<u>ster</u>	- Day	fora	· I one	41.0		
Casing Si		//·		4.00	500	695	1.61.	TOLRI		10	C 2 /	. F
Tubing Si		Weig		I.D.	Set		Per	forat	<u></u>	70 To	<u>534</u>	
2.37		4.7		1.995		<i>5</i> 306						
Pretest:		and the second second second			e grant de la companya de la company				· · · · · · · · · · · · · · · · · · ·	1)ure i	ion Hrs.
	Date (02-04-90	O Time	11:45 om	Ending	Date O	2-05-	90	Time //	: 45am		24
Test:						,				I	urat	ion Hrs.
Starting	Date (2-05-90) Time	11:45am		Date O		<u> 90</u>	Time //	145 am	2	4
(Out of the control o	e a l	200 d D720		OIL PRODUC		ERVED DA tor Pres		.,	8 (9-14.4		· · · · ·	
Producing Casing: (Tubi		•	pehara		3/#			Cho	ke S	ize
		Tank		torting Co						1 33 1 2		
Bbls./In.		Number		tarting Ga	Barrels		nding Inc		Barrel			. Bbls. Oil
	1 533	, NGMOST	- 1.000		2011020	1.000	1110	108	Dation	110.00	1.	
Pretest:				i							[
						2		. ,,	4			
Test:	300	East	6	03	125.25	8.	11	"	178.60	1 25.0	0	53.44
	ļ·.						Ì	}	•		j	-]
Test:	<u> </u>			GAS PRODUC	TTON ODG		MA.		*			
Orifice M	eter (onnectio	ที่ย	GAS FRODUC		ice Met		3.70		4 10 2 2 . Table		
Pipe Tape		Flange				(erentia		<u> </u>	Stati	n Process		:
Measuring	Rur	-Prover-	Ori'ice	Meter-Pro	ver-Test	er Press	ure	Diff		Pressur Cravity		owing
Device	Tes	ter Size	Size	In.Water	In Merc.	Psig or	(Pd)	(hw)	or (hd)	Gas (Gg) Te	emp. (t)
Orifice												
Meter Critical			 							<u> </u>		
Flow Prov	er			, ,					,	1	ł	}
Orifice			-1/	 						Assumed		
Well Test	er	2"	14.		4"					1700		60°
		,,		GAS FLOW R		JLATIONS	(R)					
Coeff. MC	FD s	Meter Pr		Extensio					mp. Dev	lation	Ch	art
(FD)(FD)(OWTC)	Press.	Stal (Pm)	V hw x Pm	Facto	or (Fg)	Factor	· (Ft) Fact	tor (Fpv)	Fε	ctor(Fd)
12.6	.	FFO	71.74.7		9	258	1.0	2		1.0	1	1.0
Gas Prod.		150	<u> </u>	0il Prod.		200	Gas/				4:	
Flow Rate		11.66	1990	Bbls./Day		4		GOR)		18		ubic Ft. er Bbl.
The und	ersign	ed, autho	rity, on	behalf of	the Com	oany st	ates 1	that	he is di	ily autho	rize	od
to make t	he abo	ve repor	t and the	at he has	knowledge	e of the	fact	s sta	ted the	rein, and	tha	it
sald repo	rt is	true and	correct	. Executed	this the	<i>6</i> 7	<u> </u>		y pr te			.9 <u>90</u>
				Done.	I DIJ.	h / /			۔ (لم	V 7	_	
For Off	set Op	erator		F	or State	7/			For Co	K. Leas	_	
	_		P		- •					Form C-5	(5/	88)

STATE CORPÓRATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST BARREL TEST

OPERATOR	·	· · · · · · · · · · · · · · · · · · ·	LOCATION	OF WELL_		<u> </u>					
LEASE	2007		of sec.	Ţ,	R						
WELL NO.	<u> </u>		COUNTY	<u></u>							
FIELD	COUNTYPRODUCING FORMATION										
			Date Effect								
		•	d. Form								
Casing:	Size	Wt	Depth_		_Acid						
Tubing:	Size	Depth o	f Perfs		_Gravity_						
Pump:	Туре	Bore	f Perfs	· .	Purchase	r					
Well Star	tus			<u>.</u>							
	Pumping,	flowing, etc.									
	•-	-		· · <u>TEST</u>							
			Permanent								
פיזאייזים או	EFORE TEST:	. ,	Flowing	Swabb	ing	Pumping					
STATOS DI	PRODUCED	HOURS									
	SHUT IN	 									
	<u> </u>		MTNIPPEC		CECONDO	-					
			MINUTESPERCENTAGE		SECONDS						
		-	PERCENTAGE								
			PER DAY)								
			Y)								
				· · · · · · · · · · · · · · · · · · ·		_PRODUCTIVITI					
		<u> </u>									
	PRODUCING SCHE	DIII E	INCHESHOURS PE	DAY '							
		, DOTE	HOURS PE	K DAI.							
COUNTEN 12											
. _				_ 							
					 _						
			— , , , , , , , , , , , , , , , , , , , 		· · ·						
WITNESSES			<u>: </u>			 ·					
FOR STATE	<u>·</u>		FOR OPERATOR	·		FOR OFFSET					
											

STATE OF KANSAS - CORPORATION COMMISSION : PRODUCTION TEST & COR REPORT

(V)

Conservat	ion Di	vision		110000					·		C-5 Revised
TYPE TEST			nnual)	Workover		ssificat	tion	TEST	DATE:		5-94
Company	nada	Wa Pet	roleun	Corp.	Lease	215	A		•	Wel	No.
County	_	/	Loc	ation	Se	ction 1)4	Town	ship 33	Range	Acre	38.
Field	poet	•	Res	ervoir	Morn		Pipe	line Co	, /	27 4 + 60	ina Co.
Completion	n Date	3	Туре Со	ompletion(Describe)		Plug	Back T	. D.		ker Set At
Production Production		iod:	····	Single 15	pe Fluid	Product	ion	X	PI Grav		Jouid/011
Flowing Casing Si		Woigh	((1.D.			Peri	oration		/To	60
Tubing Si	45 ze	Weigh	1.6 t	1.D.	. Set A	t 695	Perf	oration	<u>533</u>	To To	5344
Pretest:	2.3	75	4.70	1,99	75	530E	<u> </u>		-:-	Dan	ration Hrs.
Starting	Date	 , , - , - , - , - , - , - , - , - , 	Time		Ending	Date		Tim	e		ration Hrs.
Test: Starting	Date /	10/4/94	Time	7/30 Am	Ending	Date /	0/5/	94 Tim	e 9/	30 Am	24
Producing	Welli	read Press		TL PRODUC	Separat			<u> </u>		Chok	e Size
Casing:	120	Tubin		4	<u>Doparas</u>	36				01108	
Bbls./In.		Tank		carting Ga			nding				od. Bbls.
	Size	Number	Feet	Inches	Barrels	Feet	Inch	es Ba	rrels	Water	011
Pretest:							l 				
Flat Test:	300		3	၃"	62,36	12'	10	" 2	35.5/	90	83.15
Test:	٠.						·	}			
				AS PRODUC		RVED DA'					
		connection	_	1		ice Met					2.53
Pipe Taps		Flange				erentia				Pressure	
Measuring Device	- 1	n-Prover- eter Size		Meter Pro In.Water						Gas (Gg)	Flowing Temp. (t)
Orifice Meter		2	1.375	III.HEUGI	In .Her C.	1.11	6#	10	_	,888	600
Critical Flow Prov	/ar		'					<u> </u>			
Orifice Well Test			 								
WELL TOB	.01		<u> </u>	SAS FLOW R	ATE CALCU	LATTONS	(8)				<u> </u>
Coeff. M	77D <	Meter) Pro		Extensio		ب مکری سید	سالك أو والأناث	ng Temp.	Devia	tion	Chart
		Press (Pa		/ hw x Pm	Facto	r (Fg)				r (Fpv)	Factor(Fd)
10.4		50	5.0	23.61		61		00		000	
Gas Prod	e (R):	16		Oil Prod. Bbls./Day	r: 82	.15	(Oil Rati (GOR) =		3150	Cubic Ft. per Bbl.
to make	the abo	ove report	t and the	behalf of at he has . Executed	knowledge	of the	fact	stated	i there	in, and	that
Sara rep	oro Tg	or de Stid	COFFECT	Mest	7		517	TORY O) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The state of the s	19 <u>_94</u>
For Of	fset _. O	perator		- F	or State	Vier ra-	<u> </u>	0	or Con	_	(5/00)
•				•				•	F	orm C-5	(3/88)

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST BARREL TEST

OPERATOR		·	LOCATION OF WELL									
LEASE			OF SEC. T R									
WELL NO.		<u>'</u>	COUNT	Y								
FIELD_			PRODUCING FORMATION									
	Date Taken_	·	Date Ef:	fecti	ve							
Well Dep	th	Top Pro	d. Form	Perfs								
Casing:	Size	Wt	Dej	oth	Acid	· <u> </u>	· 					
Tubing:	Size	Depth o	f Perfs	, '	Grav	ity_	<u> </u>					
Pump:	Туре	Bore			Purc	hase	r					
Well Sta	tus	flowing, etc.		·	TEST DATA	-						
			Permanent		Field		Special					
anteria e			Flowing	_	Swabbing		Pumping					
SIAIUS E	SEFORE TEST: PRODUCED SHUT IN											
		HOURS	MINUTES		SEC	ONDS						
		·INCHES				01120						
		INCHES										
		N RATE (BARRELS										
		(BARRELS PER DA	_		=							
		BARRELS PER DAY)					PRODUCTIVITY					
	PER MINUTE	•			<u> </u>							
							•					
•	PRODUCING SCH	DULE			DAY.							
			<u> </u>									
					 							
WITNESSE	S:											
FOR STAT	<u> </u>		FOR OPERATOR	<u> </u>	<u>-</u>		FOR OFFSET					

STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

	STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT										
Conservat		_								-5 Revised	
TYPE TEST	r: Ini	tial A	nnual	Workove	Lease Lease	ssifica	tion	IEST DATE:		b-94	
Company	trada	uko K	etrof	eum (ma-	us	<u>/ </u>		Well L-/	NO.	
County	MOR	TON	Lo	cation	Sec	O4.	Townshi		Acres	J .	
Field Skirrup Reservoir Re											
					Describe)		Plug Bac		AThorn	<u>, (D,</u>	
Completic /0		9	···	Sing	de Oil	<u> </u>	54	API Gra		er Set At	
Production			;	<i>7</i> 5	pe Fluid	Product:	ion	API Gra	vity of L	quid/011	
Flowing Casing Si	Pump:	ing Gas Weight	Lift	I.D. /	Set A	t	Perfora	tions	To	600	
	4.50	_	11.6	. 4.0		5695		5334	<u> </u>	344	
Tubing Si	ze ⊋,3'	Weight	170	I.D. /,99	Set A	t 5306	Perfora	tions	To		
Pretest:		<u>, </u>							Dur	ation Hrs.	
Starting Test:	Date		Time		Ending]	DATE		Time	Diame	44a- U	
Starting	Date /	0/5/94	' Time		L Ending I			Time 9	30Am	ation Hrs.	
/		/ /		OIL PRODUC	TION OBSE						
Casing:	35	ead Pressu Tubing	_		Separato	or rresi	eure et	-	Choke	Size .	
Bbls./In.		rank		tarting Ga	1170	T Z	nding Gau		Net Prod	l. Bbls.	
DOT2 • \ 111 •	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	011	
	·							321132	1		
Pretest:				- 2.4						1	
Test!AT	300		9	8 4"	193,49	//	9.	233,85	16.3	24.0	
Test:	•				_	_			<u> </u>		
-	· · ·		(GAS PRODUC	TION OBSE						
		onnections	\	/			er Range		_		
Pipe Tape Measuring		Flange T	aps: X	Motor De	Diffe ver-Tester	erential	1: 100			250	
Device		ter Size S		In Water	In Merc.	sig or	(Pd)/(Fa)	Press.	Gravity (1	Flowing Temp (t)	
Orifice		,	1.375				,		.888	60"	
Meter Critical		5	11573	<u> </u>		7/		116	,008	60	
Flow Prov	er									Ì	
Orifice					·		•				
Well Test	er			 							
C 88 . \(\)	70 68				ATE CALCUI						
Coeff. MC (Fb)(Fp)(ress.(Pai		V hw x Pm			lowing Teactor (Fi	mp. Devia		Chart Eactor(Fd)	
10.46		61.4	#	24.2			1.000		000		
Gas Prod.				Oil Prod.	/	/	Gas/Oil H	Potio	, _	Cubic Ft.	
Flow Rate	(R):	26	9	Bbls./Day	~ 24		(GOR)) - //	,20	per Bbl.	
The unc	ersign	ed authori	ty, on	behalf of	the Compa	my, sta	ites that	he is dul	y authori:	zed	
to make t	ne abov	ve report true and c	and the	at he has . Executed	knowledge this the	of the				Cill	
				· 1/1	1/-1/-	1 0	a a	y of 8	ct	1977	
	ant On			(1/60 <u>)</u>	1 J. Ben	440 (They	15 1	oshi		
For Off	set upe	etarot.		() F	or State	/ <u> </u>		For Com	pany orm C=5 (5	: / RR \	

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST BARREL TEST

OPERATOR	<u> </u>	·	LOCATION	OF WELL							
LEASE			OF SEC	T	R						
WELL NO.			COUNTY								
FIELD			PRODUCING FORMATION								
	Date Taken_	·_	Date Effec	tive							
Well Der	oth										
					i						
Tubing:	Size	Depth	of Perfs	Gran	vity						
Well Sta	Pumping,			 	-						
	Pumping,	flowing, etc.	•		•						
•				TEST DATA	_						
			Permanent	Field	Special						
ODAMIIO I	PEODE MEGM.		Flowing	Swabbing	Pumping						
STATUS	BEFORE TEST:	NO. TO									
	PRODUCED				·						
	SHUT IN										
			MINUTES		CONDS						
			PERCENTAGE		, ,						
•	-		PERCENTAGE								
			PER DAY)								
			AY)								
)		PRODUCTIVITY						
STROKES	PE! MINUTE			[']							
LENGTH C	F STROKE		INCHES								
REGULAR	PRODUCING SCHE	DULE	HOURS P	ER DAY.							
COMMENTS											
											
											
	·		<u> </u>		· · ·						
				· \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\							
WITNESSE	5:		•								
											
FOR STAT	'E		FOR OPERATOR		FOR OFFSET						

STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

TOTHE PETT: Initial (Annual) Workover Reclassification TEST DATE: 2-6-76 Well Moreover Location Location Location Location Location Location Location Section Township Raise Acres (Location Moster) (Associated Moster) (Associat	Conservat	Lon Div	ision	ــــــــــــــــــــــــــــــــــــــ								Form C	-5 Revised
Company Anadarks Petroleum Corporation Section Township Range Acree MORTON 1650 FELV 770 FML 04 Pipeline Connection April 60 Find Connection Welling Reservoir Pipeline Connection Method: Type Completion Describe) Plug Eack T.D. Fagker Set At 10-6-27 Froduction Method: Type Completion Coscillation Cescribe) Plug Eack T.D. Fagker Set At 20-6-27 Froduction Method: Type Completion Coscillation API Gravity of Liquid/011 Flowing Fumping Cas Lift T.D. Set At Ferforations To 10-6-17 Flowing Fumping Cas Lift T.D. Set At Ferforations To 53-34 Tubing Size Meight 1.D. Set At Ferforations To 53-34 Tubing Size Meight 1.D. Set At Ferforations To 10-6-18 Tubing Size Meight 1.D. Set At Ferforations To 10-6-18 Testi: Starting Date 1-5-96 Fretest: Starting Date 1-5-96 Freducing Wellhead Fressure Casing: OIL FRODUCTION OBSERVED DATA Froducing Wellhead Fressure Casing: OS Tubing: 30-44 Fretest: Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Fretest: Testi 300 Fretest: GAS FRODUCTION OBSERVED DATA Orifice Neter Connections OF 1 Looks Feet Inches Barrels Water Oil Frest: Size Number Feet Inches Barrels Feet Inches Barrels Water Oil Fretest: Testi 300 Fretest: GAS FRODUCTION OBSERVED DATA Orifice Neter Connections Office Meter-Prover Feature Fressure Baff: Pross. Gravity Flowing Device Tester Size Size Inches Barrels Feet Inches Barrels Water Oil Gas (Gg) Frenn. (t) Orifice Meter Connections Office Meter-Prover Feature Feature Prossure Page Measuring AnupProver Orifice Meter-Prover Feature Feature Fressure Page Prover Orifice Meter Towns (Fig.) Fresholm (Fp.) (Fp.) (GNC) Press, (Ps.)	TYPE TEST:	Init	ial (A	nnual	Workover	Recl	assifice	tion	T	EST 1	DATE:	2-6	596
County Molton 1650 Feb 1996 Feb 1 1850 Feb 1996	Company 1	o c dou	^ _			Lease	21:	SA	-			Well	No.
Moston 1656 Feet 1796 feet Proper Pipeline Connection Pipeline Connection Managery Pipeline Connection Managery Pipeline Connection Managery Ma	County	aaur	ico peci	Loc	ation	S	ection	Town		1	,-		*
Reservoir	· h	Norto	N	1650	FEL + 99	OFNL	04						
Co-6-87 Single O-1 Type Fluid Production API Gravity of Liquid/Oil Flowing Flowing Cas Lift Sil Ferforations API Gravity of Liquid/Oil Flowing Size Meight I.D. Set at Ferforations API Gravity Gas Lift Aloo Sb92 State Ferforations To State State State State Ferforations To State State State Ferforations To State State State State Ferforations To State State State State Time Time Ending Date Co-76 Time Time Duration Hrs. State	Field		•	Res	ervoir			Pipe	line	Com	nectio	on	
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said report is true and correct. Executed this the 9th day of February 19 9'b	The und	iersign	ed author	rity, on	behalf o	f the Cor	npany, s	tates	that	he i	s dul	y authori	zed
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d report is true and correct. Executed this the 30th day of 5000 19

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Form_C-5 (5/89)

STATE KANSAS - CORPORATION COMMISSION COMMISSION TEST & COR REPORT

Form C-5 Revised Conservation Division Workover TEST DATE: TYPE TEST: (Initial Annual Reclassification 02-06-90 Loaso Well No. Company U.S.A. "L" Anadarko Petroleum Corporation Location Section Range Township Acres County 1650' FEL & 990' FNL 40W 335 Morton Reservoir Pipeline Connection Flold J. M. Petroleum Upper Morrow D Type Completion(Describe) Plug Back T.D. Completion Date Packer Set At API Gravity of Liquid/011 Type Fluid Production Production Method: Flowing Pumping Casing Size Oil & Water 41.0 Gas Lift Woight I.D. Set At Perforations To 4.00 4.50 5695 5334 5344 11.6 Perforations I.D. Set At Tubing Size Weight 2.375 4.70 1.995 5306 Pretest: Duration Hrs. Time 11:45 a.m. Starting Date 02-04-90 Time 11:45 a.m. Ending Date . 02-05-90 Test: Duration Hrs. Time 11:45 a.m. Ending Date 02-06-90 Starting Date 02-05-90 Time 11:45 a.m. OIL PRODUCTION OBSERVED DATA Producing Wellhead Pressure Separator Pressure Choke Size 31# Tubing: Casing: Bbls.∕In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. Size Number Feet Inches Barrels Feet Inches Barrels Water 011P~ 'est: 25.00 6 0.3 125.25 8' 11" 178-69 53.44 300 East Test: Test: GAS PRODUCTION OBSERVED DATA Urifice Meter Connections Orlice Meter Range Pipe Taba: Flange Taps: Differential: Static Pressure Run-Prover- Ori 'ice Meter-Prover-Tester Pressure Diff. Press. Cravity Flowing Heasuring Davice Tester Size Size In. Water In. Merc. | Psig or (Pd) (hw) or (hd) | Gas (Gg) | Temp. (t) Orifice Meter Critical Flow Prover Orifice Assumed 2" 1/4 Well Tester 60° .700 GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prover Extension Gravity Flowing Temp. Deviation Chart Fb)(P>)(OWTC) |Press.(Pata)(Pm) V hw x Pm Factor (Fg) | Factor (Ft) Factor (Fpv) Factor(Fd) 1.0 12.6 .9258 1-0 1.0 Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. 11.66 53.44 218 Flow Rate (R): Bbls./Day: (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 report is true and correct. Executed this the 6th 90 _day of February Dawn R. Nease James R. Kapp For Offset Operator For State For Company ORIG. TO CORP. COMM. Form C-5 (5/88) 3-16-90

DATE

STATE OF KANSAS - CORPORATION COMMISSION PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised Workover Reclassification TYPE TEST: (Initial) Annual TEST DATE: 02-06-90 68.80 WELL NO. Company U.S.A. "L" Anadarko Petroleum Corporation Location Section Township Range Acres Morton 1650' FEL & 990' FNL 04 40W 33S Reservoir Pipeline Connection Field Upper Morrow D J. M. Petroleum Type Completion(Describe) Plug Back T.D. Completion Date Packer Set At Type Fluid Production Production Method: API Gravity of Liquid/Oil Flowing Pumping Casing Size Oil & Water Gas Lift I.D. Set At Perforationa To 4.50 11.6 4.00 5334 5344 5695 I.D. Set At Perforations Tubing Size Weight 2.375 4.70 1.995 5306 Pretest: Duration Hrs. Starting Date 02-04-90 Ending Date . 02-05-90 Time 11:45 a.m. Time 11:45 a.m. Test: Duration Hrs. Starting Date 02-05-90 Ending Date 02-06-90 Time 11:45 a.m. Time 11:45 a.m. OIL PRODUCTION OBSERVED DATA Producing Wellhead Pressure Separator Pressure Choke Size Tubing: 31# Casing: Bbls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. Size Number Feet Barrels Feet Inches Inches Barrels Water 011 Pretest: 125.25 8' 77" 178-69 25.00 53.44 300 East 6 03 Test: Test: GAS PRODUCTION OBSERVED DATA Orifice Meter Connections Orifice Meter Range Pipe Taps: Flange Taps: Differential: Static Pressure: Run-Prover- Ori ice Meter-Prover-Tester Pressure Measuring Diff. Press. Gravity Flowing In. Water In. Merc. Psig or (Pd) (hw) or (hd) Gas (Gg) Temp. (t) Device Tester Size Size Orifice Meter Critical Flow Prover Orifice Assumed 2" 4 n 1/4 Well Tester 609 .700 GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prover Extension Gravity Flowing Temp. Deviation Chart Press (Psia)(Pm) (Pb)(Pp)(OWTC) hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor(Fd) .9258 7.0 1.0 1.0 12.6 Gas Prod. MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. 218 53.44 11.66 Flow Rate (R): Bbls./Day: (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 6th _day of February Adres 1990kapp Dawn R. Nease

For State CONSERVATION DIVIDION For Company

Form C-5 (5/88)

For Offset Operator

Wichita, Kansas

STATE OF KANSAS - CORPORATION COMMISSION

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PRODUCTION TEST & GOR REPORT Conservation Division Form C-5 Revised Reclassification FYFE TEST: (Initial) Annual TEST DATE: 10-31-89 Workover Company Lease Well No. Petroleum Township Section Range . Acres 1650 FEL - 990FNA Reservoir 40 W Pipeline Connection J-M Petroleum UPPER MORTOW D Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At Single oi/ Type Fluid Production 10-6-89 5446 Production Method: API Gravity of Liquid/Oil oil + water F<u>lowing</u> Casing Size Pumping 4/*l.* 0 I.D. Weight Perforations 4,50 11.6 5695 4,00 Set At Tubing Size Weight I.D. Perforations 23/8 5306 4.70 1.995 rotest: Duration Hrs. Starting Date /0-29-89 Time 11:00 Ending Date /0-30-87 Time // 00 24 l'est: Duration Hrs. Time //:00 itarting Date 1/1-30-89 Ending Date 10-31-89 Time //:00 24 OIL PRODUCTION OBSERVED DATA rroducing Wellhead Pressure Separator Pressure Choke Size asing: 25 Tubing: 25 64/64 bls./In. Tank Starting Gauge Ending Gauge Net Prod. Bbls. Size Number Feet Inches Barrels Barrels Peet Inches Oil Water 55.69 300 0 17,40 55,69 West 10 Pretest: 112.32 10 55.69 31,90 300 West 56.63 Test: iTest: GAS PRODUCTION OBSERVED DATA . Orifice Meter Connections Orifice Meter Range Pipe Tana: Flange Taps: Differential: Static Pressure: Diff. Press. Cravity Run-Prover-Orifice Meter-Prover-Tester Pressure Measuring Flowing In Water | In Merc. | Psig or (Pd) (hw) or (hd) | Gas (Gg) | Temp. (t) Davice Tester Size Size Orifice Moter Critical Flow Prover HSSUMED Orifice 60° Well Tester .700 GAS FLOW RATE CALCULATIONS (R) Coeff. MCFD Meter-Prover Extension Flowing Temp. Deviation Gravity Chart (Fb)(Fp)(OWTC)|Press_(Psia)(Pm) hw x Pm Factor (Fg) Factor (Ft) Factor (Fpv) Factor(Fd) 26.8 1,0 Gas Frod, MCFD Oil Prod. Gas/Oil Ratio Cubic Ft. 438 Bbls./Day: 36.63 Flow Rate (R): (GOR) =per Bbl. The understance Riffsprity, on behalf of the Company, states that he is duly authorized to make the above proportion that he has knowledge of the facts stated therein, and that said report is true and correctly. Executed this the 3/ day of O-Tolor 19 For Offset Charge PKATMON DIVISION For State For Company

CONSERVATION DIVIS

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