STATE OF NEW MEXICO



#### **ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

GARREY CARRUTHERS GOVERNOR OIL CONSERVATION DIVISION ARTESIA DISTRICT OFFICE

P.O. DRAWER DD ARTESIA, NEW MEXICO 88210 (505) 748-1283

November 22, 1989

Quinoco Petroleum, Inc Stanford Place 3 4582 S. Ulster St Parkway, Ste. 1700 Denver, Colorado 80237

Re: Union Mead Com #2 N-4-22-27

Gentlemen,

Concerning the packer leakage test recently conducted on subject well. The test indicated communication between tubing & annulus.

Repair should begin on this well within the next thirty days.

Please notify this office twenty (24) hours prior to starting repair work.

Sincerely, Johnny Rolinson

Johnny Robinson Field Rep II, District II

JR:br

# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

### **OIL CONSERVATION DIVISION**

This form is not to be used for reporting packer leakage tests In Northwest New Mesico

• • •

٠

:

.

O. C. D. ARTESIA, OFRICE

. •

ì

SOUTHEAST NEW	MEXICO PACKER	IFAKAGE TEST
	MUNCO FACKER	TEVUVAE IEN

÷

÷

۰.

Location  Date  4  Twp.  225  Proc.  County    Do wett  NAME OF RESERVOIR OR POOL  Type of Proc.  PROD. METUUM  FLOW. ANT LIFT  PROD. MEDUUM  CC    Ummet  WOLFCAMP  GAS  FLOW  CSG.  C    Loomet  MORROW  GAS  FLOW  CSG.  C    Loomet  MORROW  GAS  FLOW  TBG  FL    Both zones shut-in at (bour, date):  10 4 89  12:30PM  Upper  C  C    Vellopened at (bour, date):  10 5 89  12:30PM  Completion  Completion  Completion    Arrows  850  90  90  90  90  90  90    Atabilized? (Yes or No)  NO  NO  NO  NO  NO  NO    Atabilized? (Yes or No)  S90  74  590  74  10  260  26    Atasimum pressure during test  S90  74  590  74  10  10  10  10  10  10  10  10  10  10  10  10  10 <th>INOCO PETRO</th> <th>alor QU</th> <th>OLEUM :</th> <th></th> <th></th> <th>UNION M</th> <th>EAD COM</th> <th><del></del></th> <th>Well No. #2</th>	INOCO PETRO	alor QU	OLEUM :			UNION M	EAD COM	<del></del>	Well No. #2
i  Interview  (there data)  FLOW  Attributer  Integer Cage    Upper  GAS  FLOW  CSG.  FLOW  TBG  FLOW    icreat  MORROW  GAS  FLOW  TBG  FLOW    FLOW TEST NO. 1    Both zones shut-in at (bour, date): 10 4 89 12:30PM    Upper Completion    Opper Mell opened at (bour, date): 10 5 89 .12:30PM    Opper Completion    Opper Completion    No    Statistics colspan="4">Statistics colspan="4">Statistics colspan="4"Statistics colspan= 4"Statistics colspan="4"St	inti		Sec.	+	Twp.		Rps.		
comp  WOLFCAMP  GAS  FLOW  CSG.    MORROW  GAS  FLOW  TBG  FL    FLOW TEST NO. 1  FLOW TEST NO. 1    Both zones shut-in at (bour, date):  10 4 89  12:30PM  Upper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Upper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Well opened at (hour, date):  10 5 89  .12:30PM  Opper  L    Virissure at beginning of test	NAME OF		OF RESERVOIR	OR POOL					CHOKE SIZ
Const  MORROW  GAS  FLOW  TBG  FLOW    FLOW TEST NO. 1    Both zones shut-in at (bour, date):  10 4 89  12:30PM  Upper Completion  L    Well opened at (bour, date):  10 5 89  12:30PM  Upper Completion  L    Pressure at beginning of test  850  90    ressure during test  590  74    ressure at conclusion of test  590  74    ressure change during test  590  74    ressure change during test  590  74    ressure change during test (Maximum minus Minimum)  260  260    ressure change an increase or a decrease?  DECREASE  DE    reli closed at (hour, date):  10 6 89  11:00AM  Production  23.5    ii Production  Gas Production  23.5  11  11    uring Test:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & AN	WOLFCAM		₫P		GAS		-LOW	CSG.	
Both zones shut-in at (bour, date):  10 4 89  12:30PM  Upper Completion  L    Well opened at (bour, date):  10 5 89  12:30PM  Completion  Completion  Completion    ndicate by (X) the zone producing	MORROW				GAS	F	-LOM ·	TBG	FULL.
Well opened at (hour, date):  10 5 89  12:30PM  Upper Completion  10    Pressure at beginning of test  850  90    Pressure at beginning of test  850  90    Atabilized? (Yet or No)  NO  NO    Atasimum pressure during test  850  90    Atasimum pressure during test  590  74    Atasimum pressure change an increase or a decrease?  DECREASE  DE    Production  23.5  10 6 89  11:00AM  Production  23.5    Atasimum Test:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.  ANNULUS.					FLOW TEST	NO. 1			ł
Well opened at (hour, date):  10 5 89  12:30PM  Upper Completion  10    Indicate by (X) the zone producing	nut-in at (hour,	zones s	; dase):	10 4 89	12:30	PM			
Stabilized? (Yes or No)  NO  NO    Maximum pressure during test  850  90    Ainimum pressure during test  590  74    Ainimum pressure during test  260  26    Fas pressure change an increase or a decrease?  DECREASE  DE    Vell closed at (hour, date): 10 6 89 11:00AM  Production  23.5    Gas Production  Gas Production  MCF; GOR    uring Test:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	at (hour, date):	opened	:	10 5 89	12:3	0PM	•	Upper mpletion	Lower Completion
Stabilized? (Yes or No)  NO  NO    Maximum pressure during test  850  90    Maximum pressure during test  590  74    Maximum pressure change an increase or a decrease?  DECREASE  DE    Total Time On  23.5  75    Maximum pressure bibls; Grav.  Gas Production  23.5    Maximum pressure bibls; Grav.  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	() the zone proc	ale by (	oducing			•••••	•••••		
Maximum pressure during test  850  90    Minimum pressure during test  590  74    Maximum minus Minimum)  260  260    Maximum minus Minimum)  260  260    Fas pressure change during test (Maximum minus Minimum)  260  260    Fas pressure change an increase or a decrease?  DECREASE  DE    Production  23.5  25    Maximum frest:  bbls; Grav.  Gas Production  23.5    MCF; GOR  Definite INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.  MCF; GOR	ginning of test	ne si pe		• • • • • • • • • • • • • • •		•••••	8	50	900
Sinimum pressure during test  590  74    Verssure at conclusion of test  590  74    verssure change during test (Maximum minus Minimum)  260  260    Versure change an increase of a decrease?  DECREASE  DE    Versure change an increase of a decrease?  Total Time On  23.5    Versure change at (hour, date): 10 6 89 11:00AM  Production  23.5    Versure change at (hour, date): 10 6 89 11:00AM  Gas Production  MCF; GOR    versure change test:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	es or No)	ized? ()	• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••••••••	••••	<u>N</u>	0	NO
Itessure at conclusion of test  590  74    Itessure change during test (Maximum minus Minimum)  260  260  260    Fas pressure change an increase of a decrease?  DECREASE  DE    Pell closed at (bour, date): 10 6 89 11:00AM  Total Time On  23.5    Production  Gas Production  23.5    Wring Test:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	ssure during tes	num pro	cst		• • • • • • • • • • • • •	•••••	8	50	. 900
Icessure change during test (Maximum minus Minimum)  260  260    Fas pressure change an increase of a decrease?  DECREASE  DE    Pell closed at (hour, date): 10 6 89 11:00AM  Total Time On Production  23.5    Il Production  Gas Production  23.5    uring Test:	ssure during tes	unu bie	=st	• • • • • • • • • • • • • • • • • • • •		•••••	5	90	740
Fas pressure change an increase of a decrease?  DECREASE  DE    Fell closed at (hour, date): 10 6 89 11:00AM  Total Time On  23.5    Foll Production  Gas Production  23.5    Fouring Test:	clusion of test.	ic și coi			••••••	••••••••••	5	90	740 .
Total Time On  23.5    Gas Production  MCF; GOR    marks:  DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	c during test (M	ie chang	Maximum	minus Minimun	- m)		2	60	260
Vell closed at (bour, date): 10 6 89 11:00AM  Production 23.5    il Production  Gas Production    uring Test: bbls; Grav; During Test MCF; GOR    cmarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	hange an increa	icssme e	ase or a de	crc25c?	•••••		Di	ECREASE	DECREAS
emarks: DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	(hour, dase): <u>10</u>	losed at	<u>0689</u>	11:00AM	Tota Proc	ll Time On luction	. 23.5		
COMPARES:DEFINITE INDICATION OF COMMUNICATION BETWEEN TUBING & ANNULUS.	) 	oduction g Test:	_ bbls; G	Grav	Gas ; Dur	Production ing Test _	o .	MCF; GOR	
CSG. CAN NOT BE FLOWED, NO FLOW LINE.	DE	ks:			OF COMMUNI	CATION	BETWEEN TU	BING & ANNULU	IS.
	· CS	<u></u>	<u>SG. CAN</u>	NOT BE FLOW	ED, NO FLO	W LINE.		•	
	*****						•		

RECEIVED

# NOV 1 - '89

#### of half many of theness conducted

FLOW	TECT	NO	2
ILO W	11221	NU	

Well opened at (hour, date):			Lower Completion
Indicate by (X) the zone producing			•
Pressure at beginning of test	••••••		
Stabilized? (Yes or No)	••••••	••	
Maximum pressure during test			
Minimum pressure during test			·····
P zssure at conclusion of test	••••••	,	
Pressure change during test (Maximum minus Minimum)			
Was pressure change an increase or a decrease?			·
Vell closed at (hour, date):	Total Time On Production		<b></b>
Dil Production During Test: bbls; Grav emarks: DEFINITE INDICATION OF	G2s Production ; During Test		- -
CMarks:DEFINITE INDICATION OF	COMMUNICATION BETWEE	EN TUBING & ANNUC	
hereby certify that the information herein contained is the	us and complete to the best		
proved	C & W WI	RELINE, INC. DBA	
pproved 19 New Mexico Oil Conservation Division	Operator BENNETT	-CATHEY	
	By Monty Ka	mooph	-
۲ <u>ــــــــــــــــــــــــــــــــــــ</u>	TitlePRODUCTIO	N TESTING MGR.	
lle	Date 10 18 89		
		·	
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS	5. Following completion of dance with Paragraph 3 above	Flow Test No. 1, the well shall	again be shur-in, in acco
A packer leakage test shall be commenced on each multiply completed well with en days after actual completion of the well, and annually thereafter as prescribed by the et authorizing the multiple completion. Such test a hold to be	in he 6. Flow Test No. 2 shall be	conducted even though no leak	

ж 2 inuluple completions within seven days following recompletion and/or chemical or frach tera shall also be commenced on all twie urainicat, and whenever remedial work has been done on a well during which the packer or the rubing have been disturbed. Tests shall also be taken at any time that cominunication is suspected or when requested by the Division.

1.

2. At least 72 bours prior to the commencement of any packet leakage test, the operator shall notify the Drouson in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3 The packer leakage test shall commence when both somes of the dual completion are shut in fur pressure rabilization. Both zones shall remain shut in until the well head pressure in each has stabilized and for a minimum of two hours thereafter, provided non-river, that they need not remain shut-in more than 24 hours.

For Fire Ten No. 1. one zone of the dual completion shall be produced at the normal see of preduction while the other some remains shut in. Such test shall be constinued usual he forwing wellbead pressure has become stabilized and for a minimum of two hours hereafter, provided however, that the flow test need not continue for more than 24 bours.

1

Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut in while the previously shut in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packet Leakage Test Form Revised 11-01-38, together with the original pressure recording gauge chara with all the dead weight pressure which were plea indicated themes, is has give the start with characteristic product which were plea indicated themes, is has give the start of the characteristic product of the start of the start of the start of the start of the characteristic product of the start of the as all deadweight pressure readings which were taken. If the pressure curve is submitted, the or final chart must be permanently filed in the operator's office. Form C-116 shall also accon in the Packer Leakage Tent Form when the test period coincides with a gui-oil ratio ucrip.d.

#### IN A PLACE MALLER LEANAGE LESI

FLC	W	TEST	NO	2
		11-11	no.	~

Well opened at (hour, da	se):	•	Upper - Completion	· Lower Completion
			•	Sinpicaon
	-	•••••••••••••••••••••••••••••••••••••••		
		•••••••••••••••••••••••••••••••••••••••		
		·····		
		um)		,
		Total Time On Production Gas Production		<b></b>
Dil Production During Test:	bbls; Grav	Gas Production 	MCF; GOR	•
lemarks:		N OF COMMUNICATION BETWEE	EN TUBING & ANNUCU	'S
•	•			······
	formation herein contained	d is true and complete to the best C & W W 19 Operator BENNET	of my knowledge. IRELINE, INC. DBA	
New Mexico Oil Conserv	ation Division	By Month K	andolph	

Tide

Date

New Mexico Oil	Conservation Division
	· •.
Ву	<b>B</b>
Title	į

#### SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all incluple completions within seven days following recompletion and/or chemical or fracture ursument, and whenever remedial work has been done on a well during which the jucker or the rubing have been disturbed. Tests shall also be taken at any time that cominunication is suspected or when requested by the Division.

2. At least 72 bours prior to the commencement of any packer leakage tent, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

The packer leakage test shall commence when both zones of the dual completion are 3 shut in fur pressure reabilitation. Both zones shall remain shut in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided coverier; that they need not remain thut In more than 24 hours:

for flaw Ten No. 1. one tone of the dual completion shall be produced at the normal ١. are of production while the other zone remains shut in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided bowever, that the flow test need not continue for more than 24 hours.

1

5. Following completion of Flow Text No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

PRODUCTION TESTING MGR.

10 18 89

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1, Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall temain shut in while the previously shut in zone is produced.

7. All pressives, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 13 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 11-01-58, together with the original pressure recording gauge that with all the dend weight presenter which were plen indicated chemon is hay of filing dre ser this as all deadweight pressure readings which were taken. If the pressure curve is submuned. the or final chart must be permanently filed in the operator's office. Form C-116 shall also accon in the Packer Leakage Test Form when the test period coincides with a gui-oil ratio LCTI P. <u>ا</u>ه.

### RECEIVED

#### STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### **OIL CONSERVATION DIVISION**

•

·.

# NGY 1 - '89

Page 1

This form is not to be used for reporting packer leakage leats in Northwest New Mesico

1

÷

.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

C. C. D.

;

.

Operator Q	QUINOCO PETRO	JLEUM .		LAANA UNION MI	EAD COM			Well No. #2
LOCATION OF WELL	Unii N	<b>Sec.</b> 4	Twp. 225		<sup>я</sup> ре. 27Е		ounly EDDY	1
	NAME C	DF RESERVOIR OR POOL	TYPE OF I (Oll or O		THOD OF PROD.	PROD. MEDIL (Tog or Cag		CHOKE BIZE
Upper CompL	WOLFCAM	个P	GAS		FLOW	CSG.		
Lower Compl.	MORROW		GAS	F	FLOW ·	TBG		FULL

#### FLOW TEST NO. 1

Both zones shut-in at (hour, date):	10 4 89	12:30PM		
Well opened at (hour, dase):	10 5 89 .		Upper Completion	Lower Completion
Indicate by (X) the zone producing	••••••	••••••••••••••••••••••••	•	X
Pressure at beginning of test		•••••••••••••••••••••••	850	900
Stabilized? (Yes or No)	•••••		NO	NO
Maximum pressure during test	•••••		850	900
Minimum pressure during test	•••••	•••••••••••••••••••••••••••••••••••••••	590	740
Pressure at conclusion of test			590	740 •
Pressure change during test (Maximum m	inus Minimum)	•	260	260
Was pressure change an increase or a decr	case?		DECREASE	DECREASE
Well closed 21 (hour, dase): <u>10689</u> 1	1:00AM	Total Time On Production	23.5	
Oil Production During Test: bbls; Gra	Υ	Gas Production : During Test	MCF; GOR _	
Remarks:DEFINITE I	NDICATION OF	COMMUNICATION BETWE	EEN TUBING & ANNULU	JS .
CSG, CAN N	<u>OT BE FLOWED,</u>	NO FLOW LINE.		

Receiveb

### STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT This form is not to

be used for reporting

packer leakage teats

in Northwest New Mealco

.

### OIL CONSERVATION DIVISION

0. C. D.

Page 1

NOV 1 - '89

APTECIA OFFICE

.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

۰.

	•	<b>,</b> .			•	
Operator C	UINOCO PETROL	EUM :	Lange UN J	ION MEAD COM		
LOCATION OF WELL	N N	<b>5∙c.</b> 4 ·	Twp. 225	Rge. 27E	County EDDY	
	NAME OF F	RESERVOIR OR POOL	TYPE OF PROD, (Oll or Gas)	METHOD OF PROD. FLOW, ART LIFT	PADD. MEDIUM (Tbg or Cag)	CHOKE BIZE
Upper Compl.	WOLFCAMP		GAS	FLOW	CSG.	
Lower Compl	MORROW		GAS	FLOW ·	TBG	FULL.

#### FLOW TEST NO. 1

Both zones shut-in at (bour, date): _	10 4 89	12:30PM		
Well opened at (hour, date):			Upper Completion	Lower Completion
Indicate by (X) the zone producing .		• • • • • • • • • • • • • • • • • • • •	•	Y
Pressure at beginning of test			• • • •	900
Stabilized? (Yes or No)	•••••		. <u>NO</u>	NO
Maximum pressure during test				900
Minimum pressure during test				740
Pressure at conclusion of test				740 .
Pressure change during test (Maximum	minus Minimum) .	••••••••••••••••••••••	260	260
Was pressure change an increase of a de	cicase?		DECREASE	DECREASE
Well closed at (hour, dase): 10 6 89			23.5	
Oil Production During Test: bbls; G				
			EEN TUBING & ANNULUS	
	NOT BE FLOWED,			• .
			•	
· · ·				
3	•	•		

(Continue on reverse side)

#### لالملالا ملاقة لالدليا ليلبغ وليتعاقب وارام الباب بتوسيكان الاساك الانب الساريان

FLOW	TEST	NO.	2

Wall an and the factor of the la		Upper	Lower
Well opened at (hour, dase):		Completion	Completion
Indicate by (X) the zone producing	• • • • • • • • • • • • • • • • • • • •		
Pressure at beginning of test			
Stabilized? (Yes or No)			
Maximum pressure during test			
Minimum pressure during test			
Pressure at conclusion of test		•	
Pressure change during test (Maximum minus Min		•	·
Was pressure change an increase or a decrease?			
Well closed at (hour, date):	Total Time On Production		
During Test: bbls: Grav.			
Remarks:			
·			
hereby certify that the information herein conta	uned is true and complete to the best C & W W	of my knowledge. IRELINE, INC. DBA	
Approved New Mexico Oil Conservation Division			
	Tirle PRODUCTIO	ON TESTING MGR.	······································

#### SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

Tide

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all inuliple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that cominunitation is supercised or when requested by the Division.

2. At least 72 bours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operator shall also be so notified.

3. The packer leakage ten shall commence when both zones of the dual completion are shut-in for pressure reabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided movements that they need not remain shut-in more than 24 hours.

1 For flow Ten No. 1, one tone of the dual completion shall be produced at the normal are of production while the other zone remains shut-in. Such ten shall be continued until the flowing wellbead pressure has become stabilized and for a minimum of two hours thereafter, provided bowever, that the flow tent need not continue for more than 24 bours.

1

5. Following completion of Flow Text No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

10 18 89

Date

Mage 2

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Metico Oil Conservation Division on Southeast New Metico Packet Leakage Test Form Revised 11-01-58, together with the original pressure recording pauge charts with all the desdweight pressure which were taken indicated the meticate of the system with all the state of the pressure which were taken as all deadweight pressure readings which were taken. If the pressure curve is submitted the operator's office. Form C-116 shall all action in the Packet Leakage Test Form when the test period coincides with a gas-oil rates test period.

#### STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### **OIL CONSERVATION DIVISION**

۰.

This form is not to be used for reporting packer leskage tests in Northwest New Masico

:

### SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

•

:

Q.	UINOCO PETROLEUN	<u>1</u>	UNIC	IN MEAD COM		Well No. #2
LOCATION OF WELL	Unit Soc.	4 ·	т <b>ыр.</b> 225	Rge. 27E	County EDD	 Y
	NAME OF RESE	RVOIR OR POOL	TYPE OF PROD. (Oll or Gas)	METHOD OF PROD. FLOW, ART LIFT	PROD. MEDIUM (Tog or Cag)	CHOKE SIZE
Upper CompL	WOLFCAMP	······	GAS	FLOW	CSG.	
Lower Compl.	MORROW		GAS	FLOW .	TBG	FULL
			FLOW TEST NO.	. 1		
Both zones	shut-in at (hour, dase	):10 4 89	12:30PM			
Well opene	d at (hour, date):	10 5 89	12:30PM	Co	Upper mpletion	Lower Completion
Indicate by	(X) the zone producin	g	•••••	•••••••••	-	X
Pressure at b	eginning of test	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	8	50	900
•		• • • • • • • • • • • • • • • • • • • •			0	NO
					50	. 900
linimum p	essure during test	••••••••••••••••••	•••••••••••••••	5	90	740
jiessnie ši ci	onclusion of test		••••••••••••••••••		90	740.
icssme cha	nge during test (Maxin	um minus Minimum,	)	2	60	260
Fas piessue	change an increase or	a decrease?	•••••••••••••••••	<u>D</u>	ECREASE	DECREASE
Vell closed 2	(hour, dase): <u>106</u>	89 11:00AM	Total Tin Productio	23.5		
)il Productio Juring Test:	bb	s; Grav.	Gas Prod ; During T	ບເນ່ດກ ອາເ	_ MCF: GOR	
emarks: _	DEFIN	ITE INDICATION C				•
	· CSG.	CAN NOT BE FLOWE	D, NO FLOW LI	INE.	•	
				•		

# SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

FLOW	7 TEST	NO.	2
------	--------	-----	---

Well opened at (hour, dase):	•	Upper	Lower
Indicate by (X) the zone producing		Completion	Completion
Pressure at beginning of test	·····		
Stabilized? (Yes or No)		••	
Maximum pressure during test			
Minimum pressure during test			
P essure at conclusion of test			
Pressure change during test (Maximum minus Minim	um)	•	
Was pressure change an increase of a decrease?			
Well closed at (hour, date):	Total Time On Production		
Oil Production During Test: bbls; Grav	Gas Production 		
Remarks:DEFINITE_INDICATION	OF COMMUNICATION BETWEEN 1	UBING & ANNUCUS	;
I hereby certify that the information herein contained	is true and complete to the best of r	Av knowledge	
Approved	C & W WIREL	INE, INC. DBA	
New Mexico Oil Conservation Division	19 Operator BENNETT-CA	THEY	
	By Monty Kan	Josh	
By t.	Tide PRODUCTION T	ESTINC MCD	
·			
Title	Date 10 18 89	·	

# SOUTHEAST NEW MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all invitiple trompletions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is supercised or when requested by the Division.

2. At least 72 bours prior to the commencement of any packer leakage test, the operator shall notify the Drution in writing of the exact time the test is to be commenced. Offset operator shall also be so notified.

3 The packer leakage ten shall commence when both zones of the dual completion are shut in for pressure rabilization. Both zones shall remain shut in until the well-head pressure in each has stabilized and for a minimum of rwo hours chereafter, provided coveret, that they need not remain shut in more than 24 hours. I for flow Ten No. 1, one zone of the dual completion shall be produced at the normal

The formation of the other some on the dual completion shall be produced at the normal are of production while the other some remains shut-in. Such ten shall be continued usual the forward wellbead pressure has become stabilized and for a minimum of two hours, hereafter, provided however, that the flow test need not continue for more than 24 hours.

1

5. Following completion of Flow Text No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall temain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire text, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow text.

8. The results of the above described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 11-01-58, together with the original pressure revording gauge tharw with all the deadweight pressure which were taken indicated thermorial has not the test that we with the original pressure reading which were taken. If the pressure curve is submuried, the original chart must be permanently filed in the operator's office. Form C-116 shall also accont in the Packer Leakage Test Form when the test period coincides with a gat-oil ratio

Page 2

i.



BETWEEN TEg. ; ANULUS Merinite indication of Communertion \* CLOOK RAN I RE SLOW כצם. כמוד BE FromED No From Line 1 רצטי צאיזגי יא גרסיה קפטי צא אליצי MART ONI 10/5/89 12:30 PM נטטורבה רבעורעלב וביב המייסא מצעע כמי גל 2<sub>11</sub>



BETWEEN TBY. indication of communication CSG. MANTER INDICATION OF COMMUNICATION CSG. MANTER CSG. MANTER CSG. MANTER SHUT MARE AND KOW OF COMMUNICATION CSG. MANTER SHUT MARE AND KOW OF COMMUNICATION ; PACKER LEARNDE TEST Eq

4

!

:



QUINOCO PET. UNION MEAD COM # Z PACKER LEARAGE FEST CHART ON: 10/4/89 12:30,000 CHART OFF: 10/5/89 12:30,000 SHUT. IN TRg. for 24 hrs Csg. ACREADY SHUT-IN No From Linel \* INDICATION OF COMMUNICATION BETWEEN Tag ! Anucus

:

±1