NEW MEYICO OIL CONSERVATION COMMISSION

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This form is <u>not</u> to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Examination Unit     Sec     Type of Fred     Free of Web 20     Free of Free 20     County Lea       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     Choke Size     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Image of Reservoir or Free 1     (Oil or Gas) 120%, Art Lift (TEx or Gas)     None     None       Indicate by (X) the zone producing.	Operator	Leas	e Britt B	• • • • • • • • • • • • • • • • • • •	le11
of Mell       B       15       20       37       LeA         Name of Baservir or Pool       [Oli or Ga)       Picrox Art Lift       (The or Gas)       Chock Size         Upper       Noir Blinebry       Oli P       The, Lift       (The or Gas)       None         Ever       Source       Oli P       The, None       Chock Size       None         Ever       Oli P       The, Lift       The, None       None         Ever       Source       Source       None       None         Ever       Source       Ant.       S/23/66       Completion       Completion         Indicate by (X) the zone producing.       X       YES       YES       None         Stabilized? (Fee or No)       YES       YES       YES       None       Decrease         Name pressure during test       40       Source	Location Unit Sec	Two	Rae	County	
Name of Reservoir or Pool         (Gil or Gas)         Flow, Art Lift         (Teg or Cag)         None           Comport Composition         Oil         P         Tbg.         None           Comport Composition         Oil         P         Tbg.         None           Comport Composition         Oil         P         Tbg.         None           Composition         Outposition         Stabilized         None         None           Composition         Addition         Stabilized         None         None         None           Stabilized?         (Tes or No)         YES         YES         YES         YES           Weis pressure during test         40         S50         S50         S50         S50           Nininum pressure during test         9100 A.M. 8/24/66         Production         24 hours         Completion         Completion           Dil Production         0         Addition         S40         S50         None         Completion         Completi	of Well B 15		37		
Comparison     Weit Binebry     Oil     P     Tog.     None       Comparison     Gil     P     Tbg.     "       FLOW TEET NO. 1       Both zones shut-in at (hour, date):     9:00 A.M.     8/22/66     Upper     Lower       Weil opened at (hour, date):     9:00 A.M.     8/22/66     Completion     Completion       Indicate by (X) the zone producing.					
Compl     Mon Tubb     Oil     P     TDg.       FLOW TEST NO. 1       Both zones shut-in at (hour, date):	Compl Weir Blinebry	011	Р	Tbg.	None
Both zones shut-in at (hour, date):       9:00 A.M.       8/22/66       Upper       Lower         Well opened at (hour, date):       9:00 A.M.       8/23/66       Completion       Completion         Indicate by (X) the zone producing.       X       X       X         Pressure at beginning of test.       40       550         Stabilized? (Tes or No).       YES       YES         Waximum pressure during test.       40       65         Pressure at conclusion of test.       40       65         Was pressure change an increase or a decrease?       None       Decrease         Well coeed at (hour, date):       9:00 A.M. 8/24/66       Production       24 hours         During Test:       21 bbls; Grav.39, ; During Test       45.9       MCP; 0CR 2,186         Remarks       40       640       550         FLGW TEST NO. 2       Upper       Lower       Completion         Well opened at (hour, date):       9:00 A.M. 8/25/66       Completion       Completion         Indicate by (X) the zone producing       X       YES       NO         Stabilized? (Yes or No).       YES       06       640         Stabilized? (Yes or No).       YES       NO       640         Maximum pressure during test		011	р	Tbg.	*1
Well opened at (hour, date):       9:00 A.M.       8/23/66       Completion       Completion         Indicate by (X) the zone producing.       X         Pressure at beginning of test.       40       550         Stabilized? (Yes or No).       YES       YES         Waximum pressure during test.       40       65         Pressure change during test.       40       65         Pressure change during test.       40       65         Pressure change during test.       0       485         Was pressure change an increase or a decrease?       None       Decrease         Well closed at (hour, date):       9:00 A.M. \$/24/66       Production       24 hours         Oil Production       Cas Production       24 hours       66         During Test:       21 bbl; Orav.39       ; During Test       40       640         Stabilized? (Yes or No).       YES NO. 2       Well opened at (hour, date):       9:00 A.M. \$/25/65       Completion       Completion         Indicate by (X) the zone producing.       X       Pressure at beginning of test.       40       640         Stabilized? (Yes or No).       YES NO. 2       Well       Well       640         Stabilized? (Yes or No).       YES NO. 2       640       650		FLOW TEST	NO. 1		
Well opened at (hour, date):       9:00 A.M.       8/23/66       Completion       Completion         Indicate by (X) the zone producing.       X         Pressure at beginning of test.       40       550         Stabilized? (Yes or No).       YES       YES         Waximum pressure during test.       40       65         Pressure change during test.       40       65         Pressure change during test.       40       65         Pressure change during test.       0       485         Was pressure change an increase or a decrease?       None       Decrease         Well closed at (hour, date):       9:00 A.M. \$/24/66       Production       24 hours         Oil Production       Cas Production       24 hours       66         During Test:       21 bbl; Orav.39       ; During Test       40       640         Stabilized? (Yes or No).       YES NO. 2       Well opened at (hour, date):       9:00 A.M. \$/25/65       Completion       Completion         Indicate by (X) the zone producing.       X       Pressure at beginning of test.       40       640         Stabilized? (Yes or No).       YES NO. 2       Well       Well       640         Stabilized? (Yes or No).       YES NO. 2       640       650	Both zones shut-in at (hour. date):	9:00 A.M.	8/22/66		
Indicate by (X) the zone producing					
Pressure at beginning of test.       40       550         Stabilized? (Yes or No).       YES       YES         Maximum pressure during test.       40       65         Pressure at conclusion of test.       40       65         Pressure change during test (Maximum minus Minimum).       0       485         Was pressure change an increase or a decrease?       None       Decreas         Well closed at (hour, date):       9:00 A.M. \$/24/66       Froduction       24 hours         Oll Production       Oas Production       Completion       Completion         During Test:       21 bbls; Grav.39.       ; During Test       45.9       MUT; GOR 2.136         Remarks       FLOW TEST NO. 2       Upper       Lower       Completion         Vell opened at (hour, date):       9:00 A.M. \$/25/66       Completion       Completion         Indicate by ( X ) the zone producing.       X       Pressure at conclusion of test.       40       640         Stabilized? (Yes or No).       YES       NO       Maximum pressure during test.       20       650         Minimum pressure during test					
Stabilized? (Yes or No)					
Minimum pressure during test.       40       65         Pressure change during test (Maximum minus Minimum).       0       485         Was pressure change an increase or a decrease?       Total Time On       24 hours         Well closed at (hour, date):       9100 A.M. 8/24/66       Production       24 hours         Oil Production       Case Production       24 hours       0         Daring Test:       21 bbls; Grav.39.       ; During Test       40       640         Stabilized?       (hour, date):       9:00 A.M. 8/25/66       Completion       Completion         Indicate by (X) the zone producing.       X       X       YES       NO         Maximum pressure during test.       40       640       540         Stabilized? (Yes or No).       YES       NO       YES       NO         Maximum pressure during test.       20       650       650         Pressure change an increase or a decrease?       20       650         Pressure change an increase or a decrease?       20       650         Pressure change an increase or a decrease?       20       650         Pressure change an increase or a decrease?       20       10         Was pressure change an increase or a decrease?       24 hrs.       21 hrs.					
Fressure at conclusion of test.       40       65         Pressure change during test (Maximum minus Minimum).       0       485         Was pressure change an increase or a decrease?       Total Time On       24 hours         Well closed at (hour, date):       9:00 A.M. 8/24/66       Production       24 hours         Oll Production       Cas Production       24 hours       0         During Test:       21 bbls; Grav. 39.       ; During Test       45.9       MCF; GOR       2,186         Remarks	Maximum pressure during test			40	550
Pressure change during test (Maximum minus Minimum)	Minimum pressure during test			40	65
Was pressure change an increase or a decrease?       None       Decreas         Well closed at (hour, date):       9:00 A.M. 8/24/66       Froduction       24 hours       0         Buring Test:       21 bbls; Grav.39.       ; During Test       45.9       MCP; COR       2.186         Remarks	Pressure at conclusion of test			40	65
Total Time On       Total Time On         Oil Production       Gas Production       24 hours         Oil Production       Gas Production       MCF; GOR 2,186         Remarks	Pressure change during test (Maximum	minus Minimum)	•••••	<u>0</u>	485
Well closed at (hour, date):       9:00 A.M. 8/24/66       Production       24 hours         Oil Production       Gas Production       MCF; GOR 2,186         Remarks	Was pressure change an increase or a	decrease?		<u>None</u>	Decrease
FLOW TEST NO. 2         Upper Lower Completion Completion Completion Completion Completion Completion Completion Completion Stabilized? (Yes or No)	Oil Production	Gas Pro	Producti duction	on <u>24 hour</u>	
FLOW TEST NO. 2         Upper Lower Completion Stabilized? (Yes or No)		j During	1est45.9	MOF; GOR	2,100
Well opened at (hour, date):       9:00 A.M.       8/25/66       Dupper Completion       Lower Completion         Indicate by (X) the zone producing.       X	Remarks	· · · · · · · · · · · · · · · · · · ·			<u></u>
Well opened at (hour, date):       9:00 A.M.       8/25/66       Dupper Completion       Lower Completion         Indicate by (X) the zone producing.       X					
Well opened at (hour, date):       9:00 A.M.       8/25/66       Completion       Completion       Completion         Indicate by (X) the zone producingX		FLOW TEST	NO. 2	Upper	Lower
Pressure at beginning of test.       40       640         Stabilized? (Yes or No).       YES       NO         Maximum pressure during test.       40       650         Minimum pressure during test.       20       640         Pressure at conclusion of test.       20       650         Pressure change during test (Maximum minus Minimum).       20       650         Pressure change during test (Maximum minus Minimum).       20       650         Pressure change an increase or a decrease?       Decrease Increase       Increase         Well closed at (hour, date)       9:00 A.M. \$/26/66       Production       24 hrs.         Oil Production       Gas Production       24 hrs.       01         During Test: 10       bbls; Grav. 41       ; During Test 15.8       MCF; GOR 1,580         Remarks No evidence of communications was observed during test.       Operator Continental Oil Company         Approved	Well opened at (hour, date):	9:00 A.M.	8/25/66		
Stabilized? (Yes or No)	Indicate by ( X ) the zone producin	lg	• • • • • • • • • • • • • • • • • •	<u>X</u>	• ···
Maximum pressure during test.       40       650         Minimum pressure during test.       20       640         Pressure at conclusion of test.       20       650         Pressure change during test (Maximum minus Minimum).       20       10         Was pressure change an increase or a decrease?       20       10         Was pressure change an increase or a decrease?       Decrease Increase       Increase         Well closed at (hour, date)       9.00 A.M. \$/26/66       Production       24 hrs.         Oil Production       Gas Production       24 hrs.       01         During Test:       10       bbls; Grav.       41       ;During Test       15.8       MCF; GOR       1,580         Remarks       No evidence of communications was observed during test.       Operator       Continental 0il Company         New Mexico 0il Conservation Commission       By       Signil: R. I. FREBORN R. How Mexico 0il Conservation Commission         By       Title       Supervising Engineer       Title       9/6/66	Pressure at beginning of test	•••••		40	640
Minimum pressure during test.       20       640         Pressure at conclusion of test.       20       650         Pressure change during test (Maximum minus Minimum).       20       10         Was pressure change an increase or a decrease?       Decrease Increase         Well closed at (hour, date)       9:00 A.M. \$/26/66       Production         Oil Production       Gas Production       24 hrs.         Oil Production       Gas Production       24 hrs.         During Test:       10       bbls; Grav. 41       ;During Test_         . No evidence of communications was observed during test.       .         I hereby certify that the information herein contained is true and complete to the best of my knowledge.       .         Approved       19       .         New Mexico Oil Conservation Commission       By       Signed: R. L FREEBORN         By        Title       Supervising Engineer         Title        9/6/66       .	Stabilized? (Yes or No)	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	<u>Yes</u>	NO
Pressure at conclusion of test	Maximum pressure during test		••••	40	650
Pressure change during test (Maximum minus Minimum)	Minimum pressure during test	•••••	• • • • • • • • • • • • • • • • • •	<u>20</u>	640
Was pressure change an increase or a decrease?       Total time on       Decrease	Pressure at conclusion of test	••••••	•••••	<u>20</u>	650
Well closed at (hour, date)       9:00 A.M.       8/26/66       Production       24 hrs.         Oil Production       Gas Production       24 hrs.         During Test:       10       bbls; Grav.       41       ; During Test       15.8       MCF; GOR       1,580         Remarks       No evidence of communications was observed during test.       MCF; GOR       1,580         I hereby certify that the information herein contained is true and complete to the best of my knowledge.       Operator       Continental Oil Company         Approved       19       10       By       Signed: R. L. FREEBORN       R. L. FREEBORN         By	Pressure change during test (Maximum	minus Minimum)	• • • • • • • • • • • • • •	20	10
Well closed at (hour, date)       9:00 A.M. \$/26/66       Production       24 hrs.         Oil Production       Gas Production       During Test: 10       bbls; Grav. 41       ;During Test 15.8       MCF; GOR 1,580         Remarks No evidence of communications was observed during test.       I hereby certify that the information herein contained is true and complete to the best of my knowledge.       Operator       Continental Oil Company         Approved       19       19       10       SignED: R. L. FREEDORN       R. Methods         By	Was pressure change an increase or a	decrease?			se <u>Increas</u>
During Test: 10       bbls; Grav. 41       ;During Test 15.8       MCF; GOR 1,580         Remarks No evidence of communications was observed during test.         I hereby certify that the information herein contained is true and complete to the best of my knowledge.         Approved	Well closed at (hour, date) 9.00 Oil Production	A.M. 8/26/6 Gas Prod	6 Productio		
I hereby certify that the information herein contained is true and complete to the best of my knowledge.  Approved  Approved  New Mexico Oil Conservation Commission  By  Title  Title  Date  9/6/66				MCF; GOR5	80
knowledge. Approved 19 W New Mexico Oil Conservation Commission By SIGNED: R. L. FREEBORN R. L. Supervising Engineer Title Date 9/6/66	Remarks No evidence of communica	ations was of	served during	test.	
knowledge. Approved 19 W New Mexico Oil Conservation Commission By SIGNED: R. L. FREEBORN R. L. Supervising Engineer Title Date 9/6/66					
Approved       19       We mexico Oil Conservation Commission       By       SIGNED: R. L. FREEBORN R. L. Steelow         By       Title       Supervising Engineer         Title       Date       9/6/66	• •	i perein contai	1	-	
By Title Title Title Title Date 9/6/66					LT.T
Title Date9/6/66		ion	BySIGNED	I. K. L. TKEEDUNN K.	X Steelon
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1. A packer leakage test shall be comment. On C \_\_ 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 multiple 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 communication is suspected or when requested by the Commission.

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

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

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate 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 however, that the flow test need not continue for more than 24 hours.

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5. Following  $le^{i}$  of Flow Test No. 1, the well shall again be shutin, in accord: vi ragraph 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 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 a 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 riled 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 Commission on Southeast New Mexico Packer Leakage Pest Form Revised 11-158 together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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