

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator The Superior Oil Company			Lease State "K"			Well No. 1	
Location of Well	Unit J	Sec 4	Twp 14-S	Rge 34-E	County Lea		
	Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Compl	Undesignated Lower Wolfcamp Zone		Oil	Flowing	Tbg - 2-3/8"	22/64"	
Lower Compl	Cerca Upper Penn.		Oil	Flowing	Tbg - 2-3/8"	3/4"	

FLOW TEST NO. 1

Lower Wolfcamp shut in at 6:40 PM on October 28, 1968

Both zones shut-in at (hour, date): Upper Penn. shut in at 4:45 PM on November 5, 1968

Well opened at (hour, date): 6:45 PM on November 5, 1968

Upper Completion	Lower Completion
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Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 900 psig 60 psig

Stabilized? (Yes or No)..... Yes Yes

Maximum pressure during test..... 900 psig 65 psig

Minimum pressure during test..... 890 psig 60 psig

Pressure at conclusion of test..... 890 psig 60 psig

Pressure change during test (Maximum minus Minimum)..... 10 psig 5 psig

Was pressure change an increase or a decrease?..... decrease decrease

Well closed at (hour, date): 4:45 PM on November 6, 1968

Total Time On Production	22 hrs.
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Oil Production Gas Production

During Test: 354 bbls; Grav. 45.4 ; During Test 223 MCF; GOR 630

Remarks Upper Penn (Lower Compl.) was not shut in for an extended period prior to flow test

No. 1, since it is necessary to swab this zone to kick off flowing.

FLOW TEST NO. 2

Well opened at (hour, date): 4:15 PM on November 7, 1968

Upper Completion	Lower Completion
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Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 300 psig 360 psig

Stabilized? (Yes or No)..... Stabilized approximately 16 hrs. after opened Yes Yes

Maximum pressure during test..... 465 psig 364 psig

Minimum pressure during test..... 385 psig 360 psig

Pressure at conclusion of test..... 385 psig 360 psig

Pressure change during test (Maximum minus Minimum)..... 80 psig 4 psig

Was pressure change an increase or a decrease?..... decrease decrease

Well closed at (hour, date) 4:00 PM on November 8, 1968

Total time on Production	23 hrs & 45 min.
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Oil Production Gas Production

During Test: 472 bbls; Grav. 43.6 ; During Test 577 MCF; GOR 1222

Remarks Following packer leakage test, Lower Wolfcamp (upper completion) was shut in and Upper Penn. (lower completion) was opened up on 3/4" ch. but failed to flow. Upper Penn. Zone was swabbed in flowing at 11:30 AM on November 10, 1968.

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

Operator THE SUPERIOR OIL COMPANY

By T. D. Clay

Title Production Engineer

Date November 12, 1968

UPPER PENNSYLVANIAN (LOWER COMPLETION)
LOWER WOLF CAMP (UPPER COMPLETION)

