



HOBBBS OFFICE O.C.C.

SOHIO PETROLEUM COMPANY

PRODUCTION DEPARTMENT

MIDLAND DISTRICT

BOX 3167
MIDLAND, TEXAS

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Application for Administrative Approval
Non-Standard Gas Unit, Blinebry Gas Pool

Gentlemen:

Application for Administrative Approval is being made by Sohio Petroleum Company for the establishment of an 80-acre non-standard gas proration unit for the Blinebry gas zone in its Percy Hardy No. 1 well, located in Unit Letter M, Section 17, T21S, R37E, Lea County, New Mexico.

This well currently is an approved dual Blinebry gas - Drinkard oil producer and the Blinebry gas completion is currently prorated on an approved 120-acre non-standard unit. It is our desire to have this proration unit changed from the present 120-acre unit to the requested 80-acre unit. The present unit is composed of the southeast quarter of the southwest quarter, and the south half of the southeast quarter of Section 17, T21S, R37E. The requested unit would be composed of only the southeast quarter of the southwest quarter, and the southwest quarter of the southeast quarter of the same section. This proposed non-standard gas proration unit will meet the requirements of Order R-520 as follows:

- The unit will be comprised of contiguous quarter-quarter sections.
- The unit lies wholly within a single governmental section.
- All acreage within the unit may reasonably be presumed productive of gas.
- The length or width of the unit does not exceed 5280'.
- By copy of this letter of application all operators owning interest in the section in which the proposed unit is located, and all operators within 1500' of the proposed unit well, are notified by registered mail of the intent of Sohio to create this non-standard spacing unit.

Respectfully submitted,

SOHIO PETROLEUM COMPANY

A. K. Hood
District Superintendent
Midland District

RLP:sd

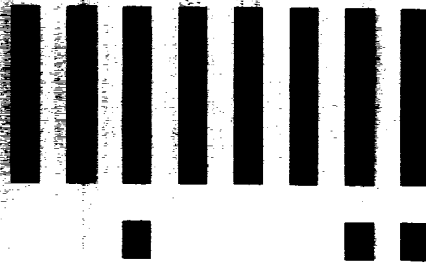
Attachment

cc: NMCC, Hobbs, N.M. ← THIS COPY FOR

Before me the undersigned authority on this day personally appeared Mr. A. K. Hood, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath states that he has knowledge of all the facts stated above, and the same is a true and correct statement of the facts as therein recited.

Subscribed and sworn to before me this 18th day of April, 1966.

[Signature]



LTR



Job separation sheet

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NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Sohio Petroleum Company			Lease Percy Hardy			Well No. 1	
Location of Well	Unit M	Sec 17	Twp 21-S	Rge 37-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	Blincbry		Gas	Flow	Csg	1" Orifice	
Lower Compl	Drinkard		Oil	Flow	Tbg	32/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 8:00 a.m. 5-24-65

Well opened at (hour, date):	Upper Completion	Lower Completion
<u>8:00 a.m. 5-25-65</u>		
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>750</u>	<u>337.5</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>Yes</u>
Maximum pressure during test.....	<u>750</u>	<u>337.5</u>
Minimum pressure during test.....	<u>500</u>	<u>337.5</u>
Pressure at conclusion of test.....	<u>550</u>	<u>337.5</u>
Pressure change during test (Maximum minus Minimum).....	<u>250</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>None</u>
Well closed at (hour, date): <u>8:05 a.m. 5-26-65</u>	Total Time On Production <u>24.063 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>10.0</u> bbls; Grav. <u>56.5°</u> ; During Test <u>1200.</u> MCF; GOR <u>120,000</u>		
Remarks <u>Drinkard Zone stable.</u>		

FLOW TEST NO. 2

Well opened at (hour, date):	<u>8:00 a.m. 5-27-65</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....			<u>X</u>
Pressure at beginning of test.....	<u>730</u>	<u>337.5</u>	
Stabilized? (Yes or No).....	<u>No</u>	<u>Yes</u>	
Maximum pressure during test.....	<u>760</u>	<u>337.5</u>	
Minimum pressure during test.....	<u>730</u>	<u>25</u>	
Pressure at conclusion of test.....	<u>760</u>	<u>37.5</u>	
Pressure change during test (Maximum minus Minimum).....	<u>30</u>	<u>312.5</u>	
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>	
Well closed at (hour, date):	<u>8:00 a.m. 5-28-65</u>	Total time on Production	<u>24.0 hrs</u>
Oil Production	Gas Production		
During Test: <u>3.00</u> bbls; Grav. <u>36.0</u> ; During Test <u>30.</u> MCF; GOR <u>10,000</u>			
Remarks <u>Blincbry Zone final 72-hr SI press. 760</u>			

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved 1965 19
New Mexico Oil Conservation Commission

Operator SOHIO PETROLEUM COMPANY
By A. K. Hood
Title District Superintendent

By _____
Title _____

TEST INSTRUCTIONS

1. The packer shall be installed in the well and annular space shall be completely completed within seven days following completion of the well and annular space. Multiple completions within seven days following completion of the well and annular space shall be considered as one completion. When the packer or the tubing have been installed, the packer or the tubing shall be tested at any time that communication is established between the completion and the formation.
2. At least one test shall be conducted for each packer leakage test, and the test shall be so notified.
3. The packer shall be tested in the dual completion and the packer shall remain shut-in for a minimum of two hours. The packer shall remain shut-in for a minimum of two hours.
4. For each test, a pressure shall be produced at the normal rate of flow. The pressure shall be stabilized at the normal rate of flow. The pressure shall be stabilized at the normal rate of flow.

5. Following completion of the test, the well shall be shut-in in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted ever though a leak is indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is the same as for Flow Test No. 1 except that the previously produced zone shall be main 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 during the beginning and once at the end of each flow test.
8. The results of the above-described tests shall be filed in the appropriate Disposition of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leakage Test Form Report No. 1. The deadweight pressures which were taken, indicated thereon, and the time curve for each zone of each test, indicating thereon any pressure changes which may be reflected in the gauge charts as well as a deadweight pressure readings which were taken. If the pressure is not stabilized, the original chart shall be permanently filed in the Disposition Office. Form 60-1 shall be filed with the Packer Leakage Test Form when the test period overlaps with a gas-oil ratio test period.

100