



MIDLAND PRODUCTION DISTRICT

MAY 26 1977

SUN PRODUCTION COMPANY

901 W. WALL, POST OFFICE BOX 1861, MIDLAND, TEXAS 79702 (915) 682-8271

OIL CONSERVATION COMM.

Santa Fe

May 20, 1977

DHC-222

Due-6/13/77

State of New Mexico
Oil Conservation Commission
P.O. Box 1980
Hobbs, New Mexico 88240

Attn:
Mr. Joe D. Ramey
Secretary - Director

Blinebry O&G ✓
Drinkard ✓

Re: Downhole Commingling
Application for,
State Land 15 -
Well No. 2

Sun Oil Company respectfully requests an exception to Rule 303-A in order to permit commingling within the well bore, production from the blinebry and drinkard oil pools in Sun's State Land 15 #2. This well is located in Unit N and is 660' FSL and 1980' FWL of Section 16, Township 21S, Range 37E, Lea County, New Mexico.

Administrative order no. DC-783, approving multiple completion in the blinebry and drinkard oil pools, was granted for the State Land 15 #2 on July 28, 1959.

The drinkard is perforated from 6410 to 6540 and on last test flowed 8 BOPD on 28/64 choke, 1 BWPB and 139 MCF gas. Blinebry pool has been shut-in since March 1972 but on last test prior to that date flowed 3 BOPD, 0 BWPB and 13 MCF gas on a 21/64 inch choke. Blinebry perfs are 5768-5906.

Based on these tests, Sun is anticipating commingled production to be 11 BOPD and 152 MCF gas per day. Sun requests that 73% of the oil production and 91% of the gas production be allocated to the drinkard.

Estimated bottom hole pressure in the drinkard pool is 405# based on fluid level data following an 18 hour shut-in. Bottom hole pressure in the blinebry pool is estimated to be 637# based on extrpolating previous pressure data versus current cumulative production.

Compatibility of fluids within the well bore is assured due to a minimum of produced water. The drinkard tested 1 BWPB in 24 hours and the blinebry produced no water. Crude API gravities for the drinkard and blinebry zones are; 39.6° and 39.4° respectively at 60° F. Value of the commingled production will not be less than the sum of the values of the individual streams, as the value received for the 39.6° and 39.4° crude is the same.

Listed below are the offset operators who have been notified in writing of the proposed commingling.

Approval of this application will insure that waste has been avoided and that the practice of good conservation will aid in the recovery of additional hydrocarbons without the violation of correlative rights.

If additional information is required, please advise.

Yours very truly,
Sun Oil Company



Bill Thomas
Dist Supv Cons/Pror.

BT/dy

max Prod @ 6540' = 40 BOPD

BL	3	BO	27	13	mcf	9
Dr	8	BO	73	139	mcf	91
	11			152		

OFFSET OPERATOR LIST

N.B. Hunt
700 Mercantile Bank Building
Dallas, Texas

Sinclair Oil & Gas Company
520 E. Broadway
Hobbs, New Mexico

Shell Oil Company
P.O. Box 1858
Roswell, New Mexico

Tidewater Oil Company
P.O. Box 547
Hobbs, New Mexico

Amerada Petroleum Corporation
P.O. Box Drawer "D"
Monument, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

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FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

MAY 20 1977
 COMM. DIV.

5a. Indicate Type of Lease
 State Fee
 5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
 USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL GAS WELL OTHER-
 2. Name of Operator
 Sun Oil Company
 3. Address of Operator
 P. O. Box 1861, Midland, Texas 79702
 4. Location of Well
 UNIT LETTER N 660 FEET FROM THE South LINE AND 1980 FEET FROM
 THE West LINE, SECTION 16 TOWNSHIP 21S RANGE 37E N.M.P.M.

7. Unit Agreement Name
 8. Farm or Lease Name
 State Land 15
 9. Well No.
 2
 10. Field and Pool, or Wildcat
 Blinebry Oil & Gas &
 Drinkard

15. Elevation (Show whether DF, RT, GR, etc.)
 3457 KB

12. County
 Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
 NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPRARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Downhole Commingling</u> <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- MIRU - Kill well w/270 KCL water w/1 gal. superflo/1000 gal. Remove tree. Install BOP.
- Relaese packer. Wash sand off BP. Latch BP & POH.
- GIH w/SN on 2-3/8" tbg. set SN @ 6650' +.
- Remove BOP. Install tree.
- Swab & test.

Downhole Commingling Application filed.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Bill Thomas TITLE Dist Supv Cons/Pror. DATE 5-16-77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Sun Oil Company		Pool		Brinebry		County		Lea				
Address		P.O. Box 1861 Midland Texas 79702		TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>				
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU.FT./BBL.		
State Land 715	2	N	16	215	5/17/77	F 28/64	110	0	24	0	39.4	3	13	4333/1
		U	S	T						WATER BBL.S.	GRAV. OIL	OIL BBL.S.	GAS M.C.F.	

MAY 20 1977
OIL CONSERVATION COMMISSION

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
 Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

Carroll Munsell
 Office Assistant
 5/19/77
 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Sun Oil Company		Pool Drinkard		County Lea											
Address P.O. Box 1861 Midland, TX. 79702		TYPE OF TEST - (X) Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>		Completion <input type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		U	S	T	R						WATER BBL.S.	GRAV. OIL	OIL BBL.S.		GAS M.C.F.
State Land 15	2	N	16	215	37E	5/18/77	F 28/64	110	8	24	1	39.6	8	139	17375/1

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

Orman Mumbel

(Signature)

Office Assistant

(Title)

5/19/77

(Date)

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE May 23, 1977

RE: Proposed MC _____
Proposed DHC X
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

MAY 26 1977

Gentlemen:

OIL CONSERVATION COMM.
Santa Fe

I have examined the application dated _____

for the Sun Oil Company
Operator

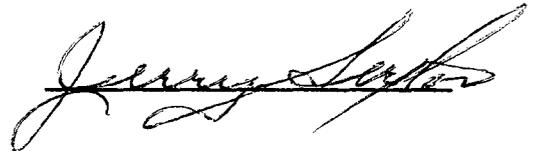
State Land "15"
Lease and Well No.

#2-N 16-21-37
Unit, S-T-R

and my recommendations are as follows:

O.K.-----J.S.

Yours very truly,



MAY 26 1977
OIL CONSERVATION COMM.
SANTA FE