

P. O. BOX 4067 1509 WEST WALL STREET TEL. 915-684-5584 TWX. 910-895-5324

December 4, 1980

Energy and Minerals Department **Oil Conservation Division** P. O. Box 2088 Santa Fe, New Mexico 87501

Our - 12/29/80 (a life) (a tually - no writing)

DHC

RE: Application for Exception to Statewide Rule No. 303-C Downhole Commingle Production Penrose/Skelly/Grayburg and Paddock, Elliott B-15 Well No. 2 Lea County, New Mexico

Gentlemen:

Sun Texas Company respectfully requests administrative approval to downhole commingle Penrose/Skelly/Grayburg and Paddock production in the Elliott B-15 Well No. 2. This well is located 660 feet FNL, 660 feet FEL, Section 15, T-22-S, R-37-E, Lea County, New Mexico.

Pertinent well information is as follows:

- The Penrose/Skelly/Grayburg (upper zone) is perforated from (a) 3587' - 3830'. The Paddock (lower zone) is perforated from 5063' - 5153' and has been TA'd since 7/72.
- (b) A production decline curve is attached for each zone. (See Attachments I and II).

Bam zones are classified as oil zones and require artificial DEC 0 8 1980 - (d)----Ine combined total daily production form these zones does not

OIL CONSERVATION DIVERSIONS 30 BOPD as allowed for the deepest perforations in the SANTA FE lower zone.

> (e) BHP for each zone:

> > Penrose/Skelly/Grayburg (upper): 115 psi @ midperf Paddock (lower): 147 psi @ midperf

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Pattock. Pouroce Skelly Bottom pf 5153



NOCE A DIVISION OF SUN OIL COMPANY (DELAWARE)

Energy and Minerals Department Oil Conservation Division December 4, 1980

Page Two

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- (f) The Penrose/Skelly/Grayburg oil is 34.5[°] API @ 90[°] F and the Paddock oil is 34.6[°] API @ 87[°] F.
- (g) Production tests on Form C-116 are attached showing the amount of oil, gas and water produced. (See Attachments III and IV).
- (h) A computation follows showing that the value of the commingled production will not be less than the sum of the values of the individual streams:

Before commingled -Penrose Crude - 4 BOPD @ \$35.82/bb1. Paddock Crude - TA'd (4 BOPD x \$35.82/bb1) = \$143.28/day

After Commingled -Paddock Crude - 13 BOPD @ \$40.75/bbl. (13 BOPD x \$40.75) + (4 BOPD x 35.82) = \$673.03/day

Although Paddock oil production was somewhat less than 13 BOPD in 1971 and 1972, (due to the well sanding up from an unsuccessful frac on the upper zone) a workover of the lower zone will take place after the downhole commingling permit has been received, with anticipated production being 13 BOPD. ~

It is requested that production allocation for each zone after commingling be based on the recoverable reserves attributed to each zone. (See Attachments I and II).

By commingling downhole, operating costs would be reduced to the point where producing the Paddock would be economically feasible. This action would prevent underground waste and protect our correlative rights.

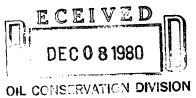
All offset operators have been notified by copy of this request, including the United States Geological Society.

Yours very truly,

SUN TEXAS COMPANY

Tensley/ms

A. R. Hensley Regional Engineer



SANTA FE

Energy and Minerals Department Oil Conservation Division December 4, 1980

Page Three

MLS:bb

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cc: New Mexico Oil Conservation Commission P.O. Box 1980 Hobbs, New Mexico 88240

> United States Geological Society Box 1157 Hobbs, New Mexico 88240

Offset Operators:

Gulf Oil Corporation Box 1150 Midland, Texas 79702

Sohio Petroleum Company Box 3000, Rankin Hwy. Midland, Texas 79702

J. H. Hendrix Corporation 525 Midland Towers Midland, Texas 79701

Amerada Hess Corporation 2207 Industrial Midland, Texas 79701

Walter ?



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| • | | Report casing pressure in lieu of tubing pressure for any well producing inrougn Mall original and one copy of this report to the district office of the New Ma Rule 301 and appropriate pool rules. | Gas volumes must be reported in MCF measured at a pressure base of 15,025 will be 0,60, | No well will be seeigned an allowable greater than the amount of all produced on the official test. During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowab focated by more than 25 percent. Operator is encouraged to take advantage of this 25 percent blargnee in a increased allowables when authorized by the Commission. | | · · · · | - | | | Walden | Walden | State" B" | Elliott B-15 | Elliott B-15 | Elliott A-15 | LEASE NAME | | Address P. O. Box 4067, Midland, | Operator TEXAS PACIFIC OIL COMPANY, | |
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E. Samoann **REGIONAL OFFICE** OIL CONSTRUCTION DIVISION MIDLAND, TEXAS 79701

P.O. BOX 4067 1509 WEST WALL STREET TEL. 915-684-5584 TWX. 910-895-5324

September 17, 1980

TO: Offset Operators

SANTA FE

RE: Request for Downhole Commingling Permit Rule 303-C

Gentlemen:

Attached for your review is a commingling request for the Elliott B-15 No. 2. Your waiver of objection to this request is respectfully solicited. Please indicate your decision in the space below and return one copy to the undersigned and one copy to the New Mexico Oil Conservation Commission in the enclosed envelopes and retain one copy for your files.

Thank you for your cooperation.

Yours very truly, SUN TEXAS COMPANY A. R. Henstex

Regional Engineer

MLS:1w

Elliott B-15 No. 2 - I do () do not () object to commingling request for this well, located 660' FNL & 660' FEL, Sec. 15, T22S, Lea County, New Mexico.

UNDED A DIVISION OF SUN OIL COMPANY (DELAWARE)

SIGNED

Proration Engineer Chief/

DATE October 15, 1980

COMPANY_Gulf_Oil_Corporation



EIV 01880tq OIL CONS ≜r 17, 1980 N DIVISION SANTA FE

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Regional Engineer

MLS:1W

| Elliott B-15 No. 2 - I do () do not (1) object to commingling request for this well. |
|---|
| SIGNED John H Dend / |
| DATEOctober 10, 1980 |
| COMPANY John H. Hendrix Corporation |



A DIVISION OF SUN OUL COMPANY (DELAWARE)



ED P. O. BOX 4067 1509 WEST WALLSTREETDCT OIL CONSURVATION DIVISION SANTA FE

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MES:1w

| Elliott B-15 No. 2 - I do () do not (\swarrow) object commingling request for this well. | to |
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| SIGNED_ Allaction | |
| DATE 10/15/80 | |
| COMPANY | |

DIVISION OF SUN OIL COMPANY (DELAWARE)



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Regional Engineer

MLS:1w

Elliott B-15 No. 2 - I do () do not () object to commingling request for this well.

| SIGNED JJS Lanot |
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| DATE 10-22-80 |
| COMPANY AMERADA HESS Corp |

SUNDED A DIVISION OF SUN OH COMPANY (DELAWARE)

OIL CONSERVATION DIVISION DISTRICT I OCT 1 7 1980

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OIL CONSCRVATION DIVISION SANTA FE

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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10/9/80

Gentlemen:

I have examined the application for the:

| Sun-Texas Company | Elliott B-15 | No. 2-A | 15-22-37 | |
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| Operator | Lease ar | nd Well No. | Unit, S - T - R | |

and my recommendations are as follows:

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0.K.---J.S.

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Yours very truly,

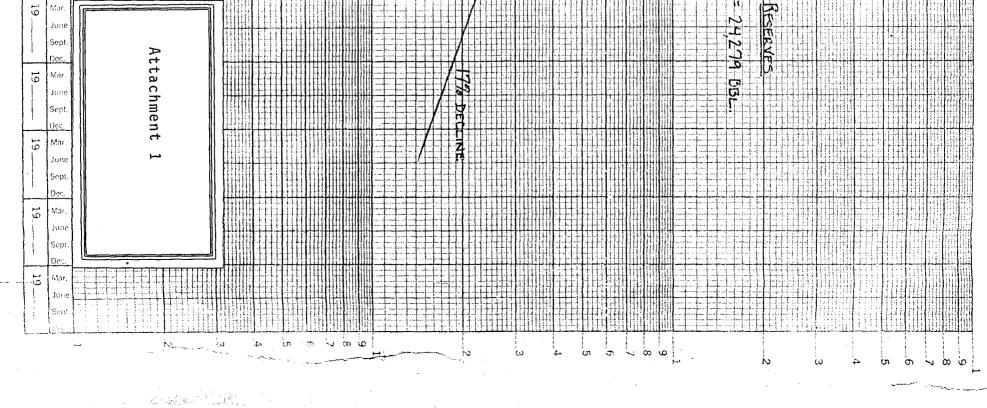
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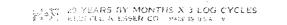
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