



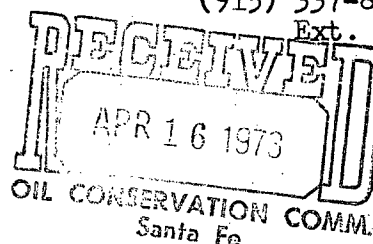
PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79760
PHILLIPS BUILDING, FOURTH & WASHINGTON

EXPLORATION & PRODUCTION DEPARTMENT

April 11, 1973

Reply to: T. Harold McLemore
(915) 337-8611
Ext. 257



7-5: Application for Exception to
Statewide Rule 303-C to Down
Hole Commingle Production
From the East Brunson Ellenburger
and East Brunson McKee Pools,
Sims Well No. 6, Lea County, N.M.

File: W2-Ed-220-73

New Mexico Oil Conservation Commission - 2
P. O. Box 2088
Santa Fe, New Mexico 87501

DHC - 176
Rec May 6

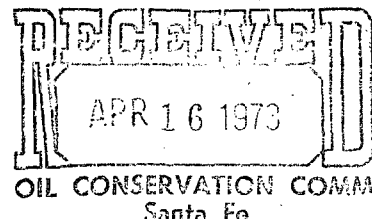
Attention: Mr. A. L. Porter, Jr.
Secretary-Director

Gentlemen:

Phillips Petroleum Company, Room 711, Phillips Building, Odessa, Texas, 79761, respectfully request administrative approval to down hole commingle production from the East Brunson Ellenburger and East Brunson McKee Pools in our Sims Well No. 6, located in Unit M, 370 feet from south and 330 feet from west lines Section 24, T-22-S, R-37-E, Lea County, New Mexico, as provided by Statewide Rule No. 303-C. We submit the following support data:

1. Both zones to be commingled in the well bore are classified as oil zones, and both zones require artificial lift.
2. The total daily production from both zones before commingling does not exceed 50 BOPD as allowed for the deepest perforations in the lower zone.
3. The East Brunson Ellenburger zone produces an average of 3 BWPD, with no water produced from the East Brunson McKee zone. The fluids from each zone are compatible in all respects and in the absence of water production from the McKee, there will be no possibility of the formation of precipitates from combined produced waters.
4. Crude gravity of the East Brunson Ellenburger production is 42.8°, and of the East Brunson McKee is 47°. Both crudes are classified as "intermediate sweet" with a posted price of \$3.56 per barrel for 40° gravity (and above) crude. Consequently, there would be no difference in the price of the combined crude over that of the crudes produced and sold separately. Royalty and working interests are common to both zones and there is no overriding royalty interest.
5. Estimated bottom hole pressures are: Ellenburger, 500#; McKee, 650#.

To: New Mexico Oil Conservation Commission - 2
File: W2-Ed-220-73
Date: April 11, 1973
Page: 2



6. Completion History:

Well--Spudded 1-13-68; T.D. of 7625' on 1-29-68; PBD 7554'; elevation 3321' Gr; 8-5/8" casing set in 11" hole at 1137', cemented w/460 sacks Class H w/10% DD and 2% CaCl₂ per sack, circulated 150 sacks. 4-1/2" casing set in 7-7/8" hole at 7625', cemented w/400 sacks Trinity LW and 650 sacks Class H, TOC at 2405'.

Ellenburger Zone--Selective perforations 7469-74', 7480-84', 7494-7508', 7526-38', 7546-54'--total 43', 86 holes, 1/2" diameter. Treated perforations 7526-54' with 4000 gallons 28% acid; perforations 7469-7508' with 1000 gallons 15% acid, and perforations 7469-7554' with 1500 gallons 15% acid with 30,000 gallons MOD brine. Initial potential, 4-30-68, 14 BO, 5 BW, GOR 1049/1, gravity 42.8 (Ellenburger decline curve attached).

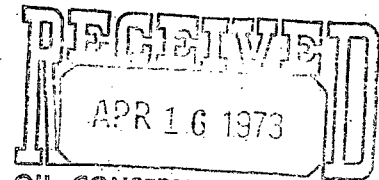
McKee Zone--3-29-73: Perforated 7328-42', total 14', 28 magnum holes.
3-30-73: Set 2-3/8" bull plugged tbg at 7539', Guiberson HW pkr at 7410', tbg perforations 7404-8', w/seating npl at 7403'. Swabbed dry. Dowell treated McKee down thru csg perfs 7328-42' w/1500 gallons Super Hydro-floric mud acid, flushed tbg w/31 BO, csg w/80 BO. Max press 3400#, avg press 3300#, AIR 4 BPM, ISDF 3000#, 10-min SIP 2700#. Swabbed 3 hrs, 40 BLO.
3-31-73: Swabbed 8 hrs, 48 BLO, 30 BAW. SI 16 hours.
4-1-73: SI 24 hours.
4-2-73: Swabbed 6 hrs, 32 BLO, 6 BAW. Set pump at 7403', pmpd 12 hrs, 10 BO, 0 BW. Released Johnson unit.
4-3-73: Pmpd 24 hrs, 13 BO, 0 BW.
4-4-73: Pmpd 24 hrs, w/1-1/4" pmp, 18 BO, 0 BW.
4-5-73: Pmpd 24 hrs, 8 BO, 2 BSW, w/1-1/4" pmp.
4-6-73: Pmpd 24 hrs, 12 BO, 0 BW, GOR 695/1.
4-7-73: Pmpd 24 hrs, 12 BO, 1 BSW, GOR 750/1.
4-8-73: Pmpd 24 hrs, 13 BO, 0 BW, GOR 725/1, gvty 47, official potential.

We expect to recover an additional 7680 BO from the Ellenburger zone, and 7620 BO from the McKee zone as a result of this proposed commingling.

No application to dually complete these zones has been filed. The Ellenburger zone currently is temporarily abandoned below the hook wall packer set at 7410'. Therefore, your approval of this down hole commingling is requested without the formal provisions of an approved dual completion. Upon your approval of same, the well will be so equipped to re-open the Ellenburger and to produce both zones commingled in the well bore.

7. We attach a productivity test on each zone for use in the allocation of the combined fluids.

To: New Mexico Oil Conservation Commission - 2
File: W2-Ed-220-73
Date: April 11, 1973
Page: 3




8. Offset operators are hereby notified, with the request that their waivers of objections to this proposal be sent direct to you with a copy directed to this office, attention Mr. T. Harold McLemore.

Your early consideration and advice, subject to the 20-day waiver waiting period, will be appreciated.

Yours very truly,

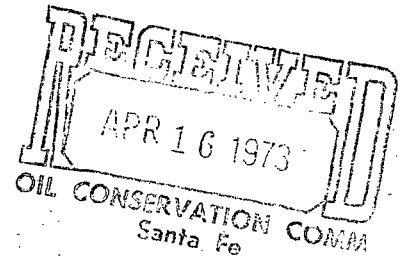
PHILLIPS PETROLEUM COMPANY


F. F. Lovering, Manager
Southwestern District

HM:rm
Attachments

cc: New Mexico Oil Conservation Commission
Hobbs, New Mexico

Offset Operators (List attached)
Attachments



Phillips Petroleum Company
Sims Lease
Sec. 24, T-22-S, R-37-E,
Lea County, New Mexico

Offset Operators

Crown Central Petroleum Corporation
Drawer 3057
Midland, Texas 79701

✓ Gulf Oil Corporation
P. O. Box 1150
Midland, Texas 79701

John W. Hendrix
403 Gihls Towers West
Midland, Texas 79701

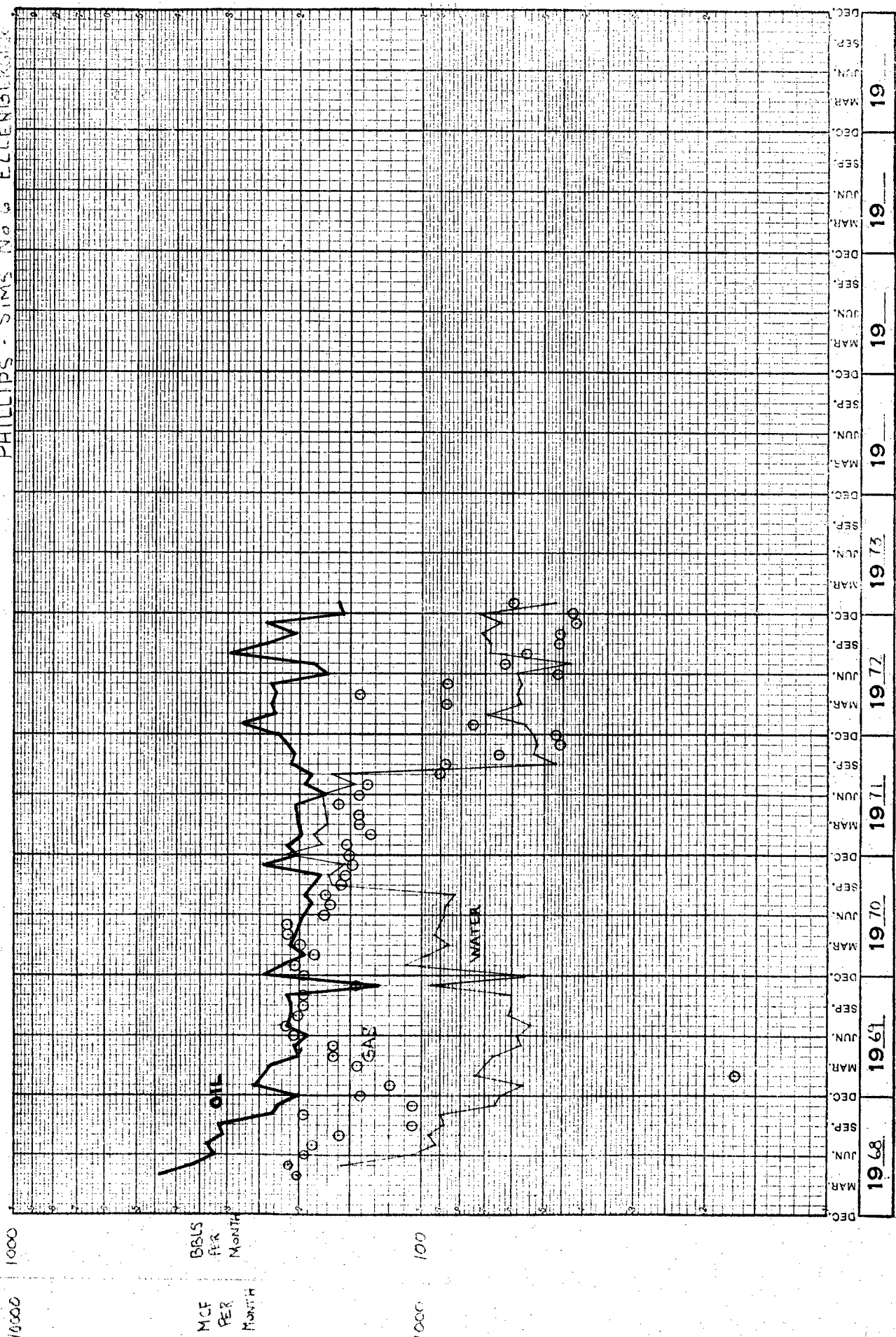
✓ Samedan Oil Corporation
2207 Wilco Building
Midland, Texas 79701

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

Texas Pacific Oil Company
P. O. Box 4067
Midland, Texas 79701

Union Texas Petroleum Corporation
1300 Wilco Building
Midland, Texas 79701

PHILLIPS - SIMS No 6 ELLENBERGER



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator		Pool		County										
Phillips Petroleum Company		Brunson, East Ellenburger		Lea										
Address		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Scheduled <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.	
		U	S	T						R	WATER BBL.	GRAV. OIL		OIL BBL.
Sims	6	M	24	22	37	3-21-73	P	19	24	3	42.6	9	20	2275
On 3-30-73, this zone was temporarily abandoned below production packer. It will be reopened upon Commission approval of down hole commingling with East Brunson McKee zone.														

RECEIVED
APR 16 1973
OIL CONSERVATION COMMISSION
Santa Fe

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

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.

[Signature]
W. J. Mueller
(Signature)
Senior Reservoir Engineer
(Title)

April 11, 1973
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County										
Phillips Petroleum Company		East Brunson McKee		Lea										
Address		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Scheduled <input type="checkbox"/>										
Room 711, Phillips Building, Odessa, Texas 79761														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			Special <input checked="" type="checkbox"/>	
		U	S	T						R	WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.
Sims	6	M	24	22	37	4-8-73	P		24	0	47	13	9	725
This was potential test of this zone.														

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.

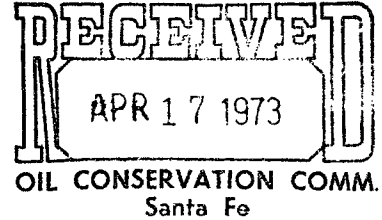
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

[Signature]
N. J. Mueller
(Signature)
Senior Reservoir Engineer
(Title)

April 11, 1973
(Date)

SAMEDAN OIL CORPORATION
2207 WILCO BUILDING
MIDLAND, TEXAS 79701

April 16, 1973



New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.
Secretary-Director

RE: Phillips Petroleum Company
Application for Exception to
Statewide Rule 303-C to Down
Hole Commingle Production from
the East Brunson Ellenburger
and East Brunson McKee Pools,
Sims Well No. 6, Lea County, NM

Gentlemen:

Phillips Petroleum Company has made Application to Down
Hole Commingle production from the East Brunson Ellenburger and East
Brunson McKee Pools in their Sims Well No. 6, located 370 feet from the
south line and 330 feet from the west line of Section 24, T-22-S, R-37-E,
Lea County, New Mexico.

This is to advise that Samedan Oil Corporation, as an off-
set operator, has no objection to the Commission's approving Phillips'
application.

Very truly yours,

SAMEDAN OIL CORPORATION

A handwritten signature in dark ink, appearing to read "W S McCuen". The signature is fluid and cursive, with a large initial "W" and "S".

William S. McCuen
Production Superintendent

FKW:WSM:ls

cc Phillips Petroleum Co.
Mr. T. H. McLemore

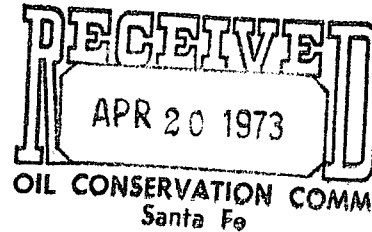
Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
MIDLAND DISTRICT

W. B. Hopkins
DISTRICT MANAGER
J. A. Hord
DISTRICT EXPLORATION
MANAGER
J. L. Pike
DISTRICT PRODUCTION
MANAGER
M. B. Moseley
DISTRICT SERVICES MANAGER

P. O. Drawer 1150
Midland, Texas 79701

April 18, 1973



Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Exception to Statewide Rule 303C

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that Phillips Petroleum Company has made application to down-hole commingle production from the East Brunson (Ellenburger) and East Brunson (McKee) Fields in the well bore of their Well No. 6, Sims Lease, Lea County, New Mexico. We hereby waive any objection to the granting of this application for the above well located:

370 feet from the South Line and 330
feet from the West Line of Section 24,
T-22S, R-37E, Lea County, New Mexico.

Executed this 18th day of April, 1973.

Yours very truly,

GULF OIL CORPORATION

BY 
W. C. PALMER
District Engineer

FWT:jmc



A DIVISION OF GULF OIL CORPORATION