



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1-8-91

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

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

RE: Proposed:

MC

DHC

NSL

NSP

SWD

WFX

PMX

X *Amend*

Queen zone sgd 86.

Gentlemen:

I have examined the application for the:

Phillips Petroleum Co. Williams Federal #8-H 34-17-33
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OR

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

January 4, 1990

EXPLORATION AND PRODUCTION GROUP

Williams Federal Well No. 8
Request for Exception of Rule 303-C

William J. Lemay
State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Mr. Lemay:

Reference is made to the attached NMOCD letter dated March 5, 1980 granting permission to commingle the production from Corbin (Queen) and Maljamar (Grayburg/San Andres) Pools in the subject well located 2310' FNL and 330' FEL (Unit H), Section 34-17S-33E, Lea County, New Mexico. In accordance with Rule 303-C, total commingled oil and water production is not to exceed 20 and 40 barrels per day respectively. This well produced at a daily average of 1.1 bo, 0.3 bw and 1.5mcf during August 1990 (Form C-115 attached).

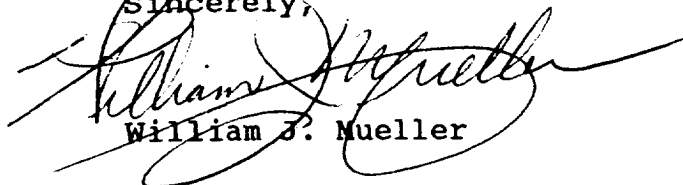
Workover operations were performed in September/October 1990 to re-perforate certain Grayburg and San Andres zones previously abandoned and to perforate additional Grayburg pay (see attached BLM Form 3160-5). The Grayburg and San Andres zones were acidized and fracture treated; both with a packer set to isolate the Queen perforations from treatment. The well was stabilized producing 11 bopd and 396 bwpd.

An exception to Rule 303-C is requested to permit continued production from this well. At the present producing rates, it is cost prohibitive to cement squeeze the Queen perforations and recomplete only in the Grayburg/San Andres Formation. The assignment of allowable to the well and allocation of production from the well should be changed to the following:

| | | | | |
|-----------------------------------|-----|------|-----|------|
| Upper Pool (Queen): | Oil | 0% | Gas | 0% |
| Lower Pool (Maljamar/San Andres): | Oil | 100% | Gas | 100% |

Please contact myself (915 368-1313) or Susan Courtright (915 368-1418) if there are any questions regarding this request.

Sincerely,



William J. Mueller

SGC:
attachments

cc: Jerry Sexton
P. O. Box 1980
Hobbs, New Mexico 88240



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

*from
McLemore*

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

March 5, 1980

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Attention: G. R. Smith

Administrative Order No. DHC-309
Eilliams Well No. 8, Unit H,
Section 34, Township 17 South,
Range 33 East, NMPM, Lea County,
New Mexico, Corbin Pool and Maljamar
Grayburg-San Andres Pool

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations for the subject dually completed well to permit the removal of the down-hole separation equipment and to commingle the production from both pools in the well-bore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such down-hole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above.

In accordance with the provisions of Rule 303-C, total commingled oil production from the subject well shall not exceed 20 barrels per day, and total water production from the well shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by multiplying 2000 by top unit allowable for the Maljamar Grayburg-San Andres Pool.

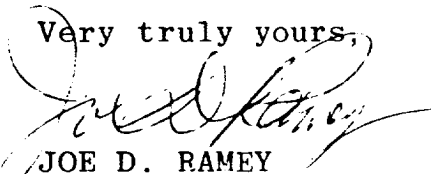
Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Upper Pool: Oil 38%, Gas 100%
Lower Pool: Oil 62%, Gas 0

-2-

Pursuant to Rule 303-C 5, the commingling authority granted by this order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,



JOE D. RAMEY
Division Director

JDR/CU/og

cc: Oil Conservation Division
Box 1890
Hobbs, New Mexico

[illegible]

SECTION 3 - COMMINGLED

| | | | | | |
|-----------------------------------|---|----|-----|-----|---------|
| <u>CARLSBAD ATOKA SOUTH (GAS)</u> | | | | | |
| NMNM0540701A | | | | | |
| DRAG-A | | | | | |
| 001 | C | 18 | 23S | 27E | F |
| 631 | | | | | 31 |
| ** POOL TOTAL | | | | ** | |
| 631 | | | | | 631 EPG |

| | | | |
|------------------------|--------------|--------------|----------|
| CARLSBAD MORROW, SOUTH | | NMNM0540701A | |
| DRAG-A | | | |
| 001 | C 18 23S 27E | F | |
| | | 1170 | 31 |
| ** POOL TOTAL | ** | 1170 | 1170 EPG |
| ** BATTERY TOTAL | ** | 1801 | 1801 EPG |

| | | | | |
|-----------------------------|---|----|---------|----|
| ORBIN QUEEN | | | | |
| ILLIAMS | | | | |
| NMNN801 | | | | |
| 008 | H | 34 | 17S 33E | P |
| | | | 186 | 21 |
| | | | 6 | 31 |
| • POOL TOTAL •• | | | | |
| | | | 186 | 21 |
| | | | 6 | 6 |
| ALJAMAR GRAYBURG SAN ANDRES | | | | |

| NIMNM801 | | | | | |
|----------|-----|------|---------|-----|------------|
| ILLIAMS | | | | | |
| | 008 | H 34 | 17S 33E | P | |
| | | | | 13 | 3 47 31 |
| | | | ** | 13 | 3 47 47 |
| | | | | 34 | 9 47 47 |
| | | | ** | 310 | 5 37 P P 2 |

| DISTRIBUTION: | | STATUS CODE | "OTHER" GAS DISPOSITION CODE | "OTHER" OIL DISPOSITION CODE | I HEREBY CERTIFY THAT |
|------------------------------|-------------------|--------------------------------|------------------------------|------------------------------|-----------------------|
| ORIGINAL TO OCC SANTA FE | F..FLOWING | X..USED OFF LEASE | C..CIRCULATING | | THE INFORMATION GIVEN |
| ONE COPY TO OCC DIST. OFFICE | P..PUMPING | D..USED FOR DRILLING | L..LOST | | IS TRUE AND COMPLETE |
| ONE COPY TO TRANSPORTER(S) | G..GAS LIFT | G..GAS LIFT | S..SEDIMENTATION (BS&W) | | TO THE BEST OF MY |
| | S..SHUT IN | L..LOST (MCF ESTIMATED) | E..EXPLANATION ATTACHED | | KNOWLEDGE. |
| | T..TEMP ABANDONED | E..EXPLANATION ATTACHED | | | J. M. HASTINGS |
| | I..INJECTION | R..REPRESSURING OR PRESS MAINT | | | PRODUCTION RECORDS |
| | D..DISCONTINUED | V..VENTED | | | SUPERVISOR |
| | | U..USED ON LEASE | | | 915-367-1304 |
| FORM C-115 | | | | | |
| REVISED 10-1-78 | | | | | |

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|--|--|---|-----------------|
| 1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER | | 5. LEASE DESIGNATION AND SERIAL NO. NM-801 | |
| 2. NAME OF OPERATOR Phillips Petroleum Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 3. ADDRESS OF OPERATOR 4001 Penbrook Street, Odessa, Texas 79762 | | 7. UNIT AGREEMENT NAME | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit H, 2310' FNL & 330' FEL | | 8. FARM OR LEASE NAME Eilliams | |
| 14. PERMIT NO. 30-025-26185 | | 9. WELL NO. 8 | |
| 15. ELEVATIONS (Show whether SP, TV, OR, etc.) 4138.3' GL; 4149' RKB | | 10. FIELD AND POOL, OR WILDCAT Maljamar Gb/SA | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T-17-S, R-33-E | |
| | | 12. COUNTY OR PARISH Lea | 13. STATE NM |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

SUBSEQUENT REPORT OF:

| | |
|---|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input checked="" type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-19-90: RU Diamond WS - COOH w/rods & pump - install BOP.
9-23-90: GIH to 4613' - drill retainer and hard cmt to 4828'.
9-24-90: Spot 10 bbls 10% acetic acid @ 4825' - perforate 4-1/2" csg w/3-1/8" csg guns @ 1 or 2 SPF spiral phasing as follows: 4367'-4371', 4', 8 shots; 4410'-4412', 2', 4 shots; 4526'-4528', 2', 4 shots; 4552'-4578', 26', 52 shots; 4585'-4596', 11', 22 shots; 4629'-4633', 4', 4 shots; 4646'-4652', 6', 6 shots; 4656'-4658', 2', 2 shots.
9-25-90: Swab 4 hrs.
9-26-90: RU Charger to acidize w/6500 gal 15% NEFe HCl w/LST clay stabilizer and fines suspension agent. Max Press 2100#, ISIP 950#, RD Charger, RU to swab 6 hrs.
9-27-90: Swab 11 hrs.
9-29-90: Swab 10 hrs.
9-30-90: Swab 8 hrs.
10-1-90: Swab 9 hrs.
10-2-90: Run base log before frac. MIRU Acid Engineering to frac GBSA down 2-7/8" tbg w/75000 gal 40#/gal gel & 193000# 16/30 mesh Ottawa sand, Max Press 3620#, ISIP 2120#, RD.
10-6-90: Swab 10 hrs.
10-7-90: Swab 10 hrs.
10-8-90: Swab 10 hrs.
10-9-90: Swab 9 hrs.

-over-

18. I hereby certify that the foregoing is true and correct

SIGNED L. M. Sanders
L. M. Sanders

Supervisor,
TITLE Regulation & Proration

DATE 12/20/90

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

10-10-90: Swab 10 hrs.
10-11-90: Swab 10 hrs.
10-13-90: Swab 10 hrs.
10-14-90: Swab 8 hrs.
10-16-90: RIH w/2 X 1-1/4 X 16' pump w/sand filter. Pumping.
10-22-90: Shut well down @ 4:00 p.m. for plant shutdown.
10-23-90: Started back up - have permission to flare (NMOCD Order DHC-309).
10-25-90: Temp drop from report.
12-11-90: Pick up from report dated 10-26-90. Install 456 pumping unit w/144" stroke - COOH w/rods and pump - install BOP - COOH w/tbg - GIH w/sand pump, clean fill to PBTD. GIH w/2 X 1-3/4" pump barrel remove BOP. NU wellhead
12-17-90: Pumped [REDACTED] X 1-3/4" plunger 144" stroke, 8 SPM from 4-1/2" csg peris 4354'-4596'. oil gravity 35.7. Job complete.