

NEW MEXICO OIL CONSERVATION COMMISSION
POST OFFICE BOX 2088
SANTA FE, NEW MEXICO 87501

COMMINGLING ORDER PC-514

Company Mesa Petroleum Co.
Address Gihls Tower West, Suite 904
City, State, Zip Midland, Texas 79701

Attention: Mr. Michael P. Houston

Lease Name: Monsanto State Com No. 1
Description: W/2 Section 14, Township 16 South, Range 35 East,
 Lea County

The above-named company is hereby authorized to commingle production from the following pools

North Shoebar Wolfcamp and North Shoebar Morrow

in a common tank battery, and to determine the production from each pool by

_____ separately metering the production from each pool prior to commingling

_____ separately metering the production from

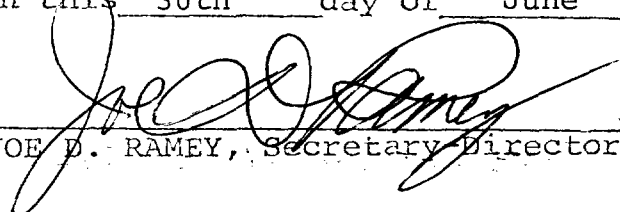
and determining the
production by the subtraction method

 x well tests (if this method is to be authorized, all commingled production must be of marginal nature; further, the operator shall notify the Santa Fe Office of the Commission in the event any well producing into the commingled battery becomes capable of top allowable production, at which time the Commission will amend this order or take such other action as may be appropriate)

Note: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Commission Rules and Regulations and the Commission "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

REMARKS:

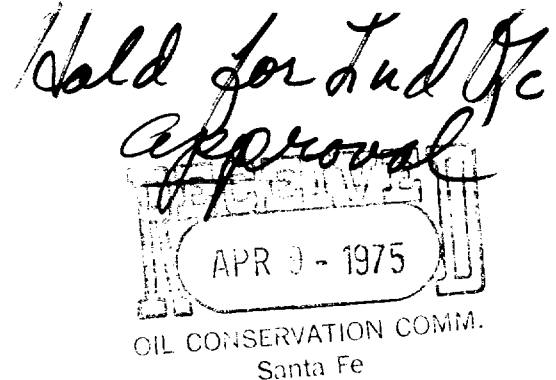
DONE at Santa Fe, New Mexico, on this 30th day of June 1975.



JOE D. RAMEY, Secretary-Director

April 4, 1975

Application of Mesa Petroleum Co. For
Commingling Liquid Production From
Separate Pools at the Monsanto State
1 Battery, Located in Unit K
of Section 14, Township 16S, Range 35E
Lea County, New Mexico



Mesa Petroleum Co., hereby makes application for commingling liquid production from separate pools at the Monsanto State # 1 Battery in Unit K, Section 14, Township 16S, Range 35E, Lea County, New Mexico, in accordance with provisions of Rule 303-B.

A schematic diagram of the proposed equipment installation is enclosed, together with a wellbore sketch of downhole mechanics. Approval was granted February 18, 1975, by the Oil Conservation Commission (order MC 2182) to dually complete this well.

As depicted below, the daily value of all commingled produced liquids will be equal to the sum value of liquids produced from each common source of supply. With only three tanks, it has been necessary to shut-in one zone temporarily while hauling oil from time to time.

<u>WELL (POOL)</u>	<u>Est. Daily oil and cond. prod.</u>	<u>Est. Daily gas prod.</u>	<u>Oil & Cond. Gravity @ 60° F.</u>	<u>Price/ Bbl.</u>
Monsanto State # 1 (Morrow)	110	1400 MCF	57.2	\$ 12.05
Monsanto State # 1 (Wolfcamp)	100	200 MCF	41.5	\$ 12.05

Mesa is the operator of this lease. Monsanto and Skelly are the other working interest owners. There are 160 acres (SW $\frac{1}{4}$) dedicated to the Wolfcamp pool and 320 acres (W $\frac{1}{2}$) dedicated to the Morrow pool.

Well tests will be run monthly on each pool. As noted in the equipment layout sketch, valves can be manipulated to route production from each pool to a separate tank.

MESA PETROLEUM CO.

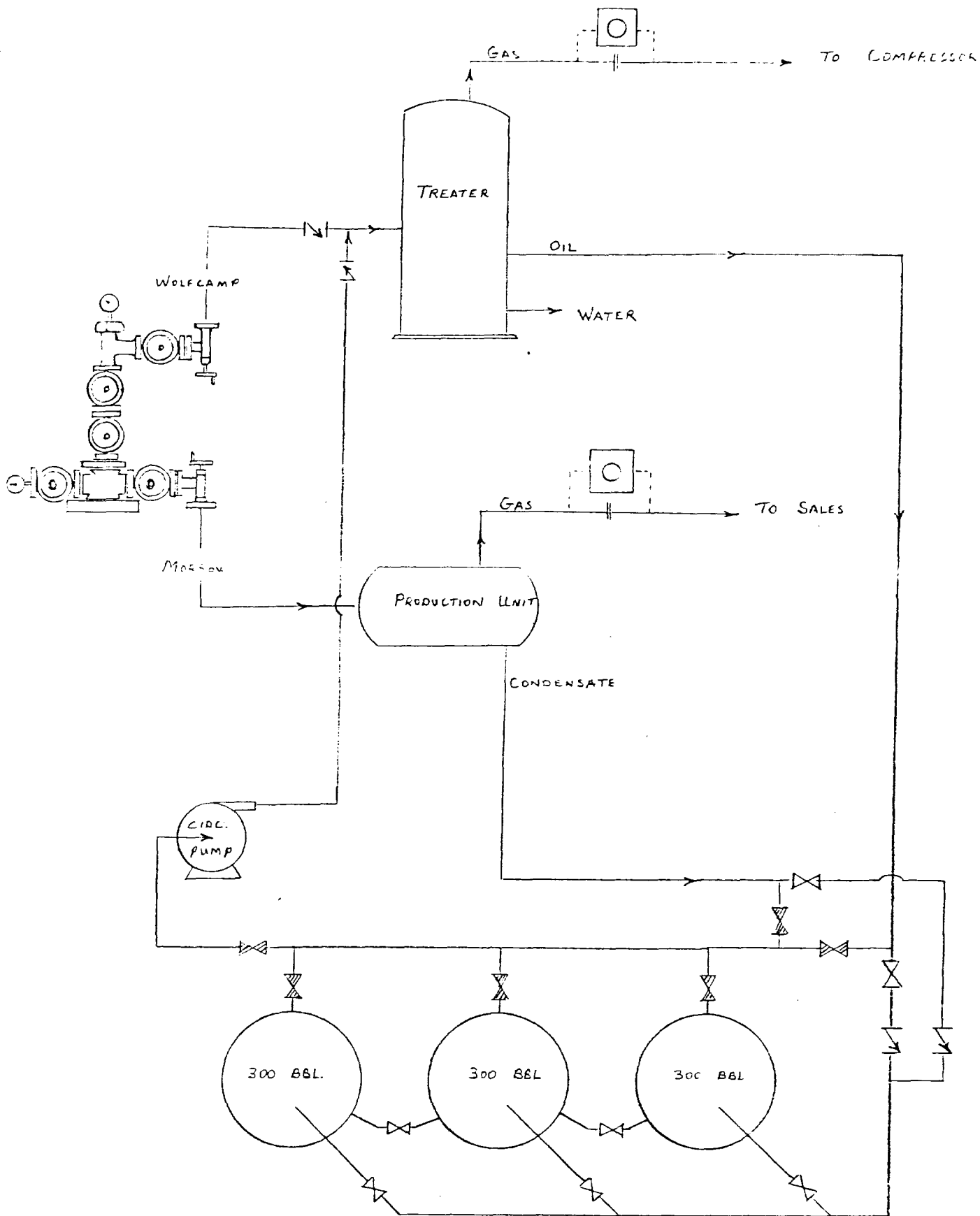
ILLEGIBLE

Michael P. Houston

Michael P. Houston, Division Engineer

MPH:tb

XC: Amarillo - 1
Skelly - 1
Monsanto - 1
File - 1



MONSANTO STATE NO 1-K
 SEC 14 - T 16 S - R 35 E
 LEA COUNTY, NEW MEXICO

MONSANTO STATE NO. 1

1980' FS&W

SECTION 14 — T16S — R35E

LEA COUNTY, NEW MEXICO

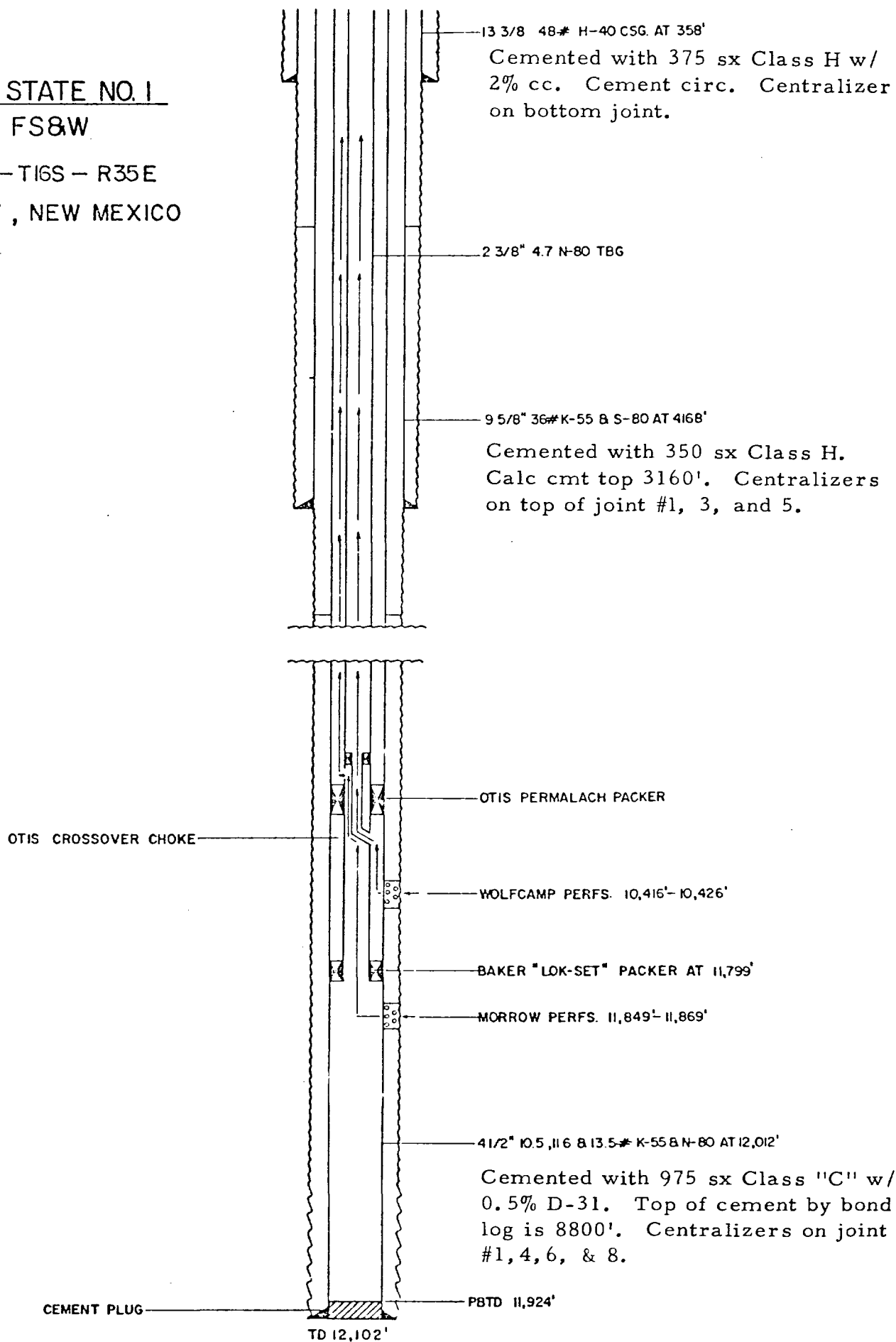


EXHIBIT
SHOE BAR NORTH FIELD
LEA COUNTY, NEW MEXICO

- WOLFCAMP OIL
- ⊙ STRAWN OIL
- ☀ MORROW GAS
- DRILLING WELL

SCALE 1"=2000'

TD10,720

Pan American

12
TD13,905'
R. L. Burns

Mesa

Mesa

State

State

Mary E. Love

Mesa

Mesa

R. L. Burns

Bertha L. McLemore

L. W. Jones et al

J. A. Chambers et al

Mesa

Mesa

Mesa

J. M. Gantt



"Gilmore"
Barbara L. Owens

"CHAMBERS"
M.L. Powers et al TD 5312'

State

C. E. Hillburn

T. E. Lusk

Mesa Pet. Co. &
Monsanto

Mesa Petroleum &
Monsanto

Mesa

Mesa

Mesa

State

Jewel Travis et al

Monsanto

Monsanto

"Hillburn"
TD12,015

"Lister"

"BARTON"

June D. Speight et al

Lois Mae Walloce et al

Mary L. Powers et al

Mary L. Powers et al

T
16
S

Monsanto
"MONSANTO STATE"

Skelly



Mesa
"WISER"

Mesa
"Sumruld"

SOUTHWEST LOVINGTON UNIT	
Mesa	70.3977%
Monsanto	25.0568%
Skelly	4.5455%

Monsanto

TD13,200

State "Skelly State"

So. Pet. Expl. Inc. et al

Hetta Pearl Stokes et al

Georgia A. Steele

George Sumruld et al

T
16
S

Shell

Mesa Pet. Co.

Mesa
"McPHERSON"
J.A. Chambers et al

Mesa
H. Stokes et al

Mesa
S.P. Johnson

L. C. Harris

L.C. Harris 1/4

3/4 OPEN

State

R.C. Hanks

Harold A. Elkan et al

Harold A. Elkan et al

Alice Jane Sumruld

Clements

Clements

Clements

J.E. Stokes

Powhatan Carter 1/4 M 1

George Sumruld

C. L. Payne

Helen Van Gleason

H. Van Gleason State

Eidson Ranch Inc.

John E. Stokes et al



TD10,633'

G. F. Clements

G. F. Clements

G. F. Clements

Hilliard

Payne Ent.

R.C. Hanks

TD11,984

TD12,780 TD10,442

J.E. Stokes
H. Youngblood
TD10,490

J.E. Stokes

P. Carter

J. Wilmoth

J. L. Hamon & R. Lowe

Atl.-Rich.

Hilliard & G

Hilliard

Ashmun & Hilliard

J. L. Hamon &
Union

TD12,675 TD10,431

TD10,500

TD12,668

TD12,855

Eidson Ranch Inc.

Eidson Ranch Inc.

State

State

Mobil

34

35

R-35-E

36

R-36-E

31