

State of New Mexico



Commissioner of Public Lands

May 7, 1971

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

Shell Oil Company
P. O. Box 1810
Midland, Texas 79701

Re: Commingling of Glorieta (zones)
State A, B, and F Lease
Sec. 31, Township 17, Range 35 and
State D and E Lease
Sec. 31, Township 17, Range 35
Vacuum (Glorieta) Field
Lea County, New Mexico

ATTENTION: Mr. J. A. Watson

Gentlemen:

This is to inform you that approval is hereby granted on the above request, subject to the approval by the New Mexico Oil Conservation Commission. Also, this is granted with the understanding that the Commissioner of Public Lands reserves the right to withdraw his approval, if at any time he feels this operation is not to the best interest to the State of New Mexico.

We are sending a copy of our letter of approval to the Oil Conservation Commission as per your request.

Your Ten (\$10.00) Dollar filing fee has been received.

Sincerely yours,

GORDON G. MARCUM, II, Director
Oil and Gas

AJA/GGM/s
encls.

cc: OCC-Santa Fe, New Mexico

Oil and Gas Accounting Commission
Santa Fe, New Mexico

SHELL OIL COMPANY
 COMMINGLING REQUEST FORM
 FOR THE
 STATE OF NEW MEXICO
 OIL CONSERVATION
 COMMISSION

03 11 12 13 14 15 16 17 18 19 20

APPLICATION FOR EXCEPTION TO COMMISSION RULE 303a AND/OR 309A

1. Operator SHELL OIL COMPANY
 2. Address P. O. BOX 1810
 3. City MIDLAND 4. State TEXAS
 5. Commission Dist. No. 1
 6. County Lea
 7. Date of Application May 24, 1971
 8. Identification of leases and pools as shown on statewide oil proration

9. Field Name	Lease Name	Pool (Zone) Name	API Gravity Range	Lease Location S-T-R
Vacuum (Glorieta)	State A	Glorieta	37.0 - 38.2	31 17 35
Vacuum (Glorieta)	State B	Glorieta	37.0 - 38.2	30 17 35
Vacuum (Glorieta)	State F	Glorieta	37.0 - 38.2	29 17 35
Vacuum (Glorieta)	State D	Glorieta	36.9 - 37.4	31 17 35
Vacuum (Glorieta)	State E	Glorieta	36.9 - 37.4	31 17 35

10. Request for exception to Rule 303a (segregation of production from pools)
 11. Request for exception to Rule 309A (lease commingling)
 12. POOL COMMINGLING (exception to Rule 303) 1.) Lease plat (required) Attached
 2.) Schematic of commingling (required) Attached
 13. Commingled royalty interest are the same Yes No
 14. Are producing zones marginal or top allowable Marginal-see (a.) below
 Top allowable
 (a.) If producing zones are not capable of producing top unit allowable for their respective pools, commingling will be permitted without separately measuring the production from each pool. A 60-day period tabulation of production showing that the average daily production has been below top allowable for the subject pools. Attached
 15. Allocation of production from well zones will be by Periodic well test All zones metered All zones metered & sampled All zones except one separately metered - subtraction method
 16. Will the commingling of zones or pools decrease revenue due to API gravity change Yes No
 17. If answer to (16.) is "Yes" state how much less.

18. Are Federal lands or State lands involved? Yes No
 19. If answer to (18.) is "Yes" furnish an approval letter from the Commissioner of Public Lands for the State of New Mexico or the Regional Supervisor of the United States Department of the Interior Geological Survey stating approval of the proposed commingling. Attached
 20. LEASE COMMINGLING (exception to Rule 309A)
 20a. 1.) Lease plat required Attached
 2.) Schematic diagram of the commingling facility Attached
 21. All production is from the same common source of supply or an exception to Rule 303(a) has been obtained Yes No
 22. If answer to (21.) is "Yes" show acceptance letter date and commission order number
 23. Allocation of production Monthly well test All leases metered All leases metered & sampled All leases except one separately metered - subtraction method

24. All parties owning an interest in the Leases and the purchaser of the commingled production have consented in writing to the commingling of production from the separate leases. Yes No

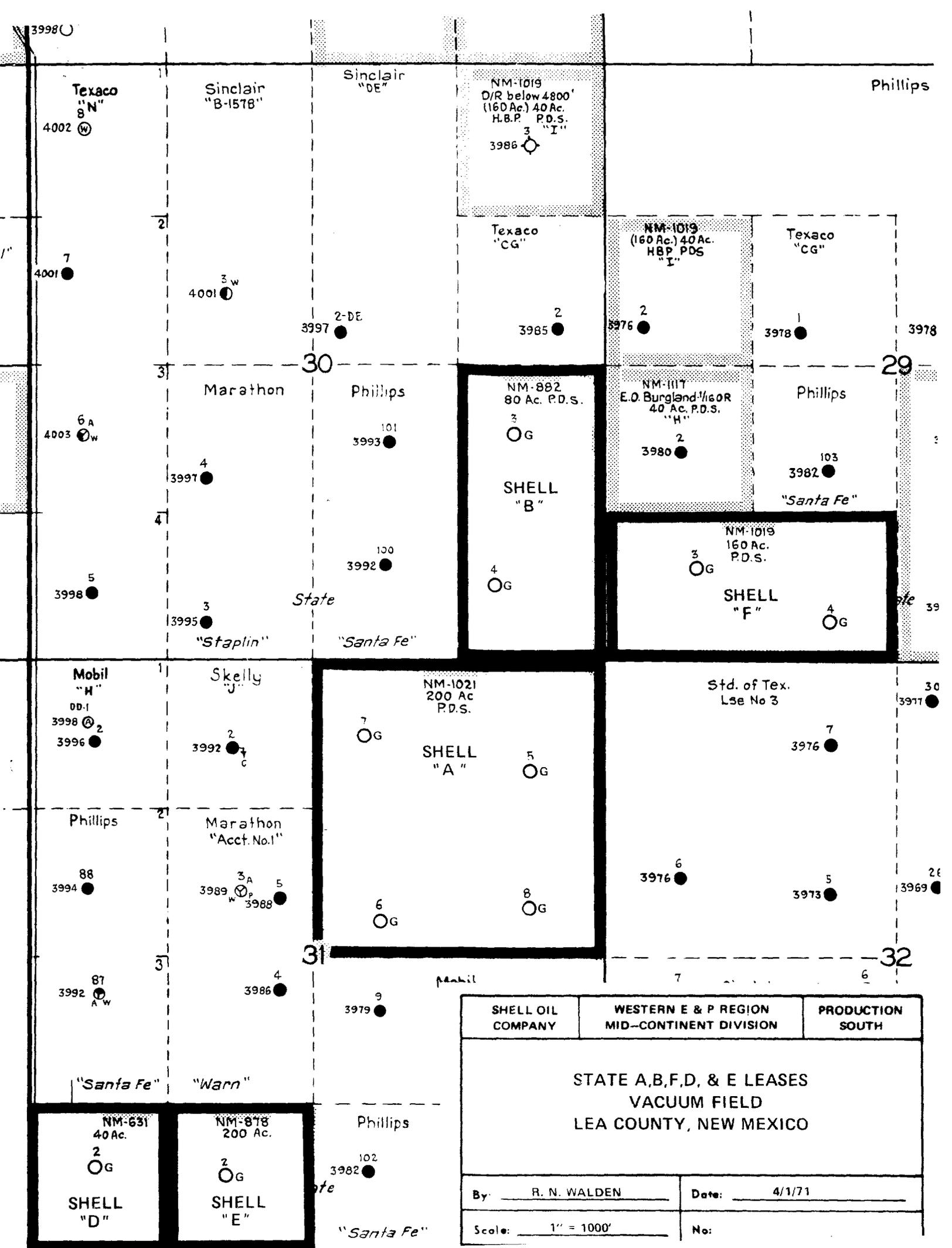
25. If answer to (24.) is "No," Explain All parties have been notified by letter

26. Name and address of gatherer Texas New Mexico Pipe Line, P.O. BOX 1510, Midland, Tex. 79701

27. Signature [Handwritten Signature] Title Divn. Prod. Supt.

Commingling permit number _____ Approval date _____

Approved by _____



SHELL OIL COMPANY	WESTERN E & P REGION MID-CONTINENT DIVISION	PRODUCTION SOUTH
STATE A, B, F, D, & E LEASES VACUUM FIELD LEA COUNTY, NEW MEXICO		
By: <u>R. N. WALDEN</u>	Date: <u>4/1/71</u>	
Scale: <u>1" = 1000'</u>	No: _____	

3998

Texaco "N" 4002

Sinclair "B-1578"

Sinclair "DE"

NM-1019 D/R below 4800' (160 Ac.) 40 Ac. H.B.P. P.D.S. 3986 "I"

Phillips

7 4001

3 W 4001

2-DE 3997

2 3985

2 3976

1 3978

29

30

Marathon Phillips

NM-882 80 Ac. P.D.S. 3 3993

NM-1117 E.O. Bungalow 1/16 OR 40 Ac. P.D.S. "H" 2 3980

Phillips

103 3982

"Santa Fe"

3 3992

100

4 3995

3 3998

5 3998

3 3995

State "Staplin" "Santa Fe"

39

30

Mobil "H" DD-1 3998 2 3996

Skelly "J" 3992 2 C

NM-1021 200 Ac. P.D.S. 7 3992

SHELL "A" 5 3976

Std. of Tex. Lse No 3 3976 7

30

21

Phillips Marathon "Acct. No. 1"

88 3994

3 A 3989 W P 3988 5

6 3976

8 3973

26 3969

31

32

87 3992 A W

4 3986

9 3979

Mobil

7

6

31

32

"Santa Fe" "Warn"

NM-631 40 Ac. 2 3992

SHELL "D"

NM-878 200 Ac. 2 3982

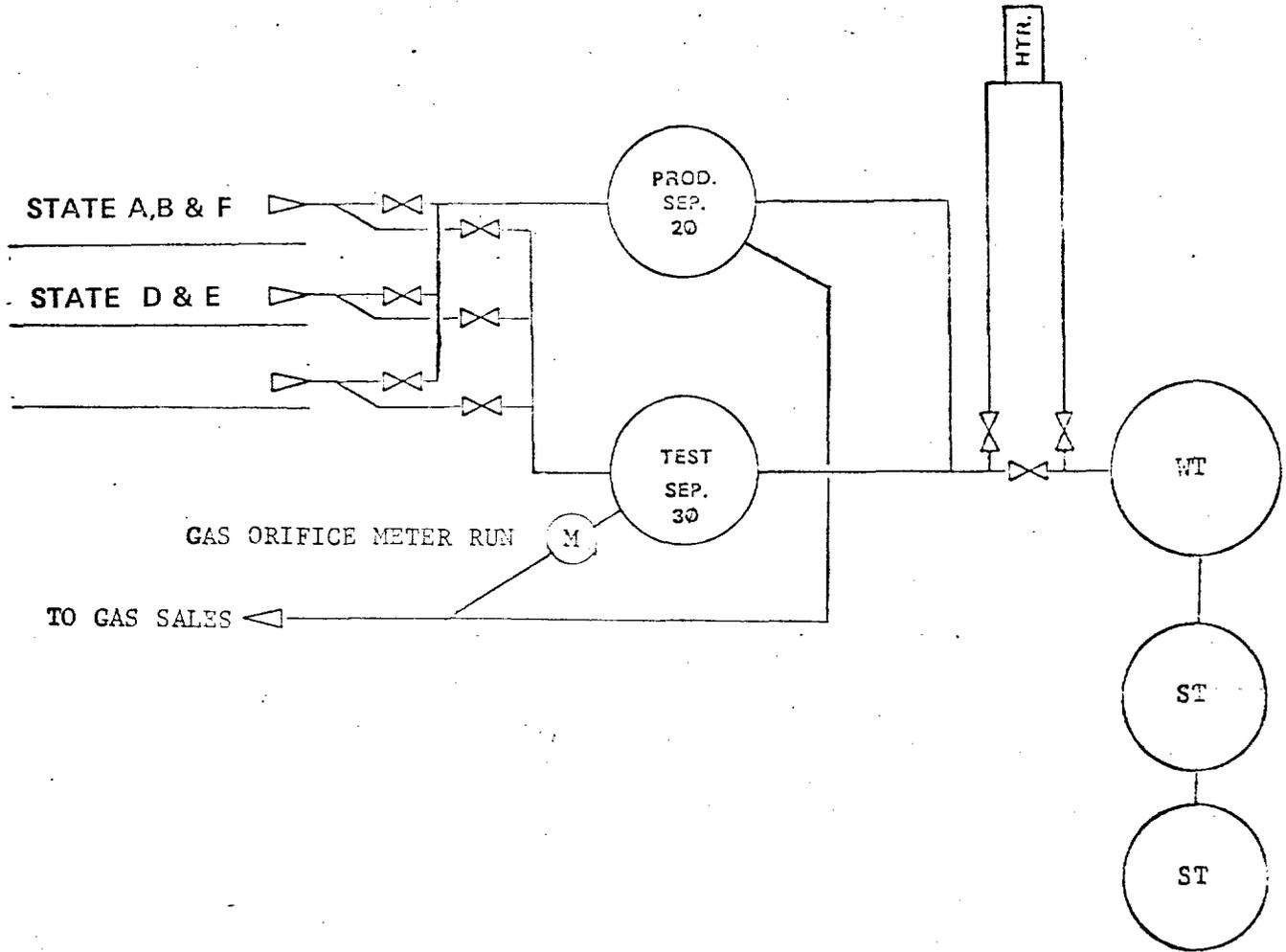
SHELL "E"

102 3982

Phillips

102 3982

State "Santa Fe"



LEGEND

- WT WASH TANK
- ST STOCK
- SEP. SEPARATOR
- HTR. INDIRECT HEATER

SHELL OIL COMPANY	WESTERN E & P REGION MID-CONTINENT DIVISION	PRODUCTION SOUTH
SCHEMATIC OF COMMINGLED FACILITIES STATE A, B, F, D, & E LEASES GLORIETA ZONE VACUUM FIELD LEA COUNTY, NEW MEXICO		
By <u>R.N. WALDEN</u>	Date: <u>3-5-71</u>	
Scale: <u>NONE</u>	No <u>M-3072</u>	

PRODUCTION HISTORY

Vacuum (Glorieta)

January 1971

<u>Well No.</u>	<u>Allowable</u>	<u>Actual Barrels Produced</u>	<u>Barrels Water</u>	<u>Gas MCF</u>	<u>Days Produced</u>
		<u>STATE A</u>			
5	899	597	676	418	31
6	558	462	0	2,397	31
7	589	524	70	356	31
8	155	154	0	342	31
		<u>STATE B</u>			
3	3,317	3,317	160	2,268	31
4	3,317	3,317	0	2,406	31
		<u>STATE F</u>			
3	3,317	3,317	0	1,308	31
4	3,317	3,316	50	2,328	31
		<u>STATE D</u>			
2	713	864	0	1,138	31
		<u>STATE E</u>			
2	3,317	2,717	0	3,880	31

February 1971

		<u>STATE A</u>			
5	812	867	1,197	615	22
6	504	435	0	2,268	28
7	532	463	9	317	28
8	140	143	0	319	27
		<u>STATE B</u>			
3	2,996	2,981	48	2,145	28
4	2,996	2,981	0	2,278	28
		<u>STATE F</u>			
3	2,996	2,999	24	1,237	28
4	2,996	2,966	45	2,202	28
		<u>STATE D</u>			
2	2,499	2,641	0	3,337	28
		<u>STATE E</u>			
2	2,996	3,167	338	4,341	28

May 14, 1971

Subject: Commingling of Glorieta Leases
State A, B, and F
Sec. 31, T-17, R-35
State D & E, Sec. 31, T-17, R-35
Vacuum (Glorieta) Field
Lea County, New Mexico

Texas New Mexico Pipeline
P. O. Box 1510
Midland, Texas 79701

Gentlemen:

Shell Oil Company proposes to commingle the above-captioned leases.

According to our records, the API gravities of the Glorieta crude ranges from 36.9° API to 38.2° API. We do not anticipate as a result of this commingling any change in the actual commercial value of the production.

If you are in agreement with this proposal, please furnish us with a letter to the State of New Mexico Oil Conservation Commission stating your approval.

If additional information is needed concerning this proposal, please contact Mr. J. A. Watson of this office.

Yours very truly,

Copies Signed By
R. A. LOWERY

J. J. Pickell
Manager Production-South
Mid-Continent Division

JAW:AO