

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

FORM NO. 1  
COMMINGLING BY  
POOL OR LEASE

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

SHELL OIL COMPANY  
P. O. BOX 1810  
MIDLAND, TEXAS 79701

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

1. Operator	SHELL OIL COMPANY			5. Commission Dist. No.	1		
2. Address	P. O. BOX 1810			6. County	Lea		
3. City	MIDLAND	4. State	TEXAS	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. <input checked="" type="checkbox"/> Request for exception to Rule 303a (segregation of production from pools)							
11. <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
14. Are producing zones marginal or top allowable <input checked="" type="checkbox"/> Marginal-see (a.) below							
<input type="checkbox"/> 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 <input checked="" type="checkbox"/> Periodic well test <input type="checkbox"/> All zones metered <input type="checkbox"/> All zones metered & sampled <input type="checkbox"/> All zones except one separately metered - subtraction method							
16. Will the commingling of zones or pools decrease revenue due to API gravity change <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. If answer to (16.) is "Yes" state how much less.							
18. Are Federal lands or State lands involved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
22. If answer to (21.) is "Yes" show acceptance letter date and commission order number							
23. Allocation of production <input checked="" type="checkbox"/> Monthly well test <input type="checkbox"/> All leases metered <input type="checkbox"/> All leases metered & sampled <input type="checkbox"/> All leases except one separately metered - subtraction method							

(CONT'D OVER)

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

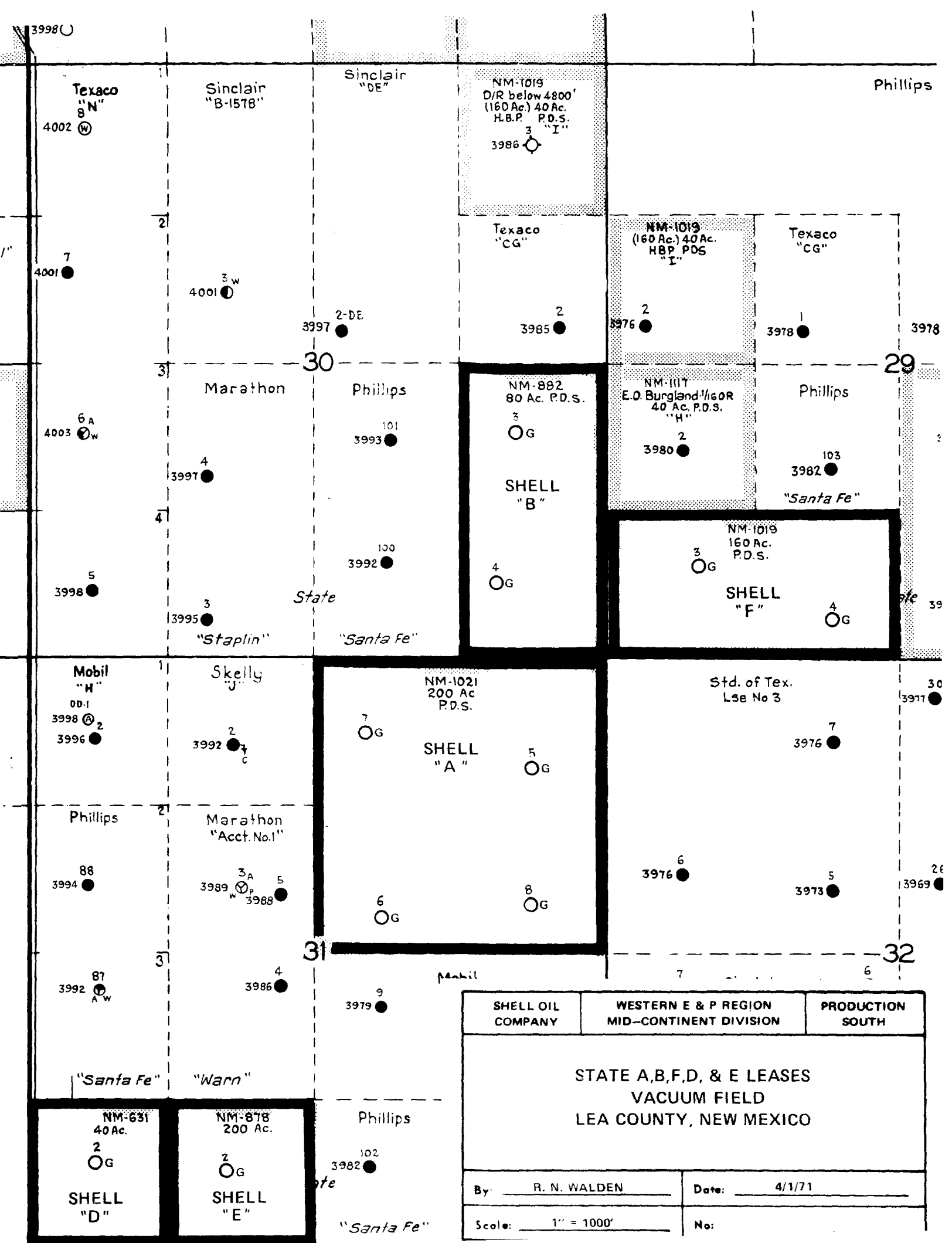
25. If answer to (24.) is "No," Explain All parties have been notified by letter

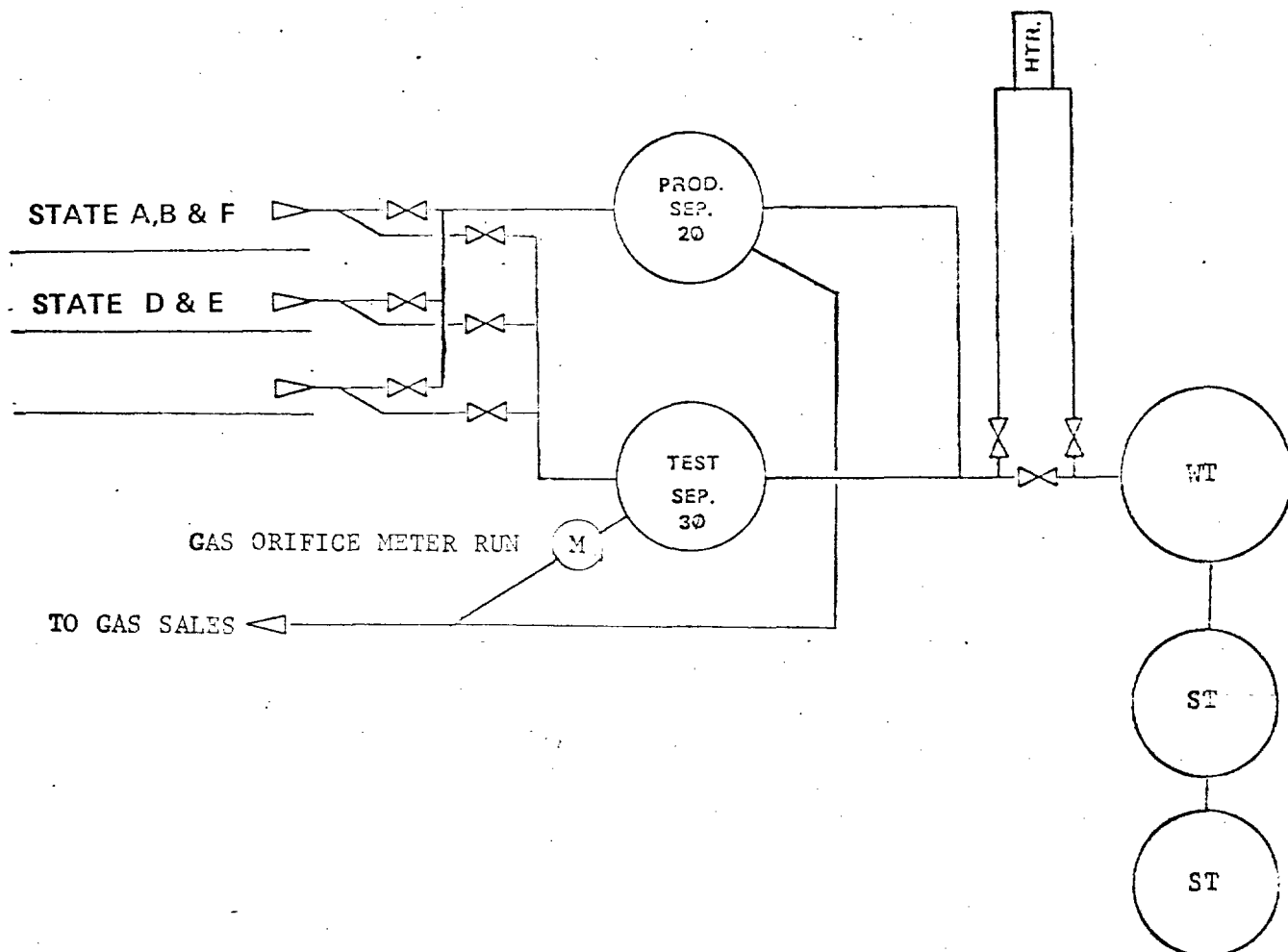
26. Name and address of gatherer Texas New Mexico Pipe Line, P.O. BOX 1510, Midland, Tex. 79701

27. Signature RA Halperin for Title Divn. Prod. Supt.

Commingling permit number \_\_\_\_\_ Approval date \_\_\_\_\_

Approved by \_\_\_\_\_





# 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 R.N. WALDEN	Date: 3-5-71	
Scale: NONE	No M-3072	

# 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,

Certified Signed By  
J. J. PICKELL

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

JAW:AO