

DEC 10 3 23 PM '68

November 21, 1968

C  
O  
P  
Y  
  
The Superior Oil Company  
P. O. Box 1900  
Midland, Texas 79701

Re: State Lease OG-5217

Gentlemen:

We hereby request that you change the name of your Well No. 1-P, Sec. 33, Twp. 13 S., Rge. 34 E., from State "L" Com to State "L", only.

Please change your records to reflect this correction and notify this office as soon as possible.

Very truly yours,

GUYTON B. HAYS,  
Commissioner of Public Lands

By:  
TED BILBERRY, Director  
Oil and Gas Department

TB/ML/lf

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Form C-105  
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. <b>OG-5217</b>
7. Unit Agreement Name
8. Farm or Lease Name <b>State "L" COM</b>
9. Well No. <b>1</b>
10. Field and Pool, or Wildcat <b>(Lower Wolfcamp) Undesignated</b>

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>						7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>						8. Farm or Lease Name <b>State "L" COM</b>	
2. Name of Operator <b>The Superior Oil Company</b>						9. Well No. <b>1</b>	
3. Address of Operator <b>P. O. Box 1900, Midland, Texas 79701</b>						10. Field and Pool, or Wildcat <b>(Lower Wolfcamp) Undesignated</b>	
4. Location of Well UNIT LETTER <b>P</b> LOCATED <b>510</b> FEET FROM THE <b>South</b> LINE AND <b>660</b> FEET FROM THE <b>East</b> LINE OF SEC. <b>33</b> TWP. <b>13-S</b> RGE. <b>34-E</b> NMPM						12. County <b>Lea</b>	
15. Date Spudded <b>Aug. 30, 1968</b>	16. Date T.D. Reached <b>Oct. 2, 1968</b>	17. Date Compl. (Ready to Prod.) <b>October 31, 1968</b>	18. Elevations (DF, RKB, RT, GR, etc.) <b>KB-4151, DF-4149, GL-4136</b>	19. Elev. Casinghead <b>4136</b>			
20. Total Depth <b>10,550</b>	21. Plug Back T.D. <b>10,494</b>	22. If Multiple Compl., How Many <b>Dual</b>	23. Intervals Drilled By <b>Rotary Tools</b>	23. Intervals Drilled By <b>0-10,550</b>	Cable Tools <b>-----</b>		
24. Producing Interval(s), of this completion — Top, Bottom, Name <b>Lower Wolfcamp Top: 10,356 (-6205) Perf. 10,360-65 w/4 JSPP</b> <b>Base: 10,368 (-6217)</b>						25. Was Directional Survey Made <b>No</b>	
26. Type Electric and Other Logs Run <b>Schlumberger Gamma Ray-Sonic, Induction, and Microlog</b>						27. Was Well Cored <b>No</b>	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
<b>13-3/8"</b>	<b>48</b>	<b>409</b>	<b>17-1/2</b>	<b>450 sacks</b>		<b>None</b>	
<b>9-5/8"</b>	<b>36</b>	<b>4500</b>	<b>12-1/4</b>	<b>665 sacks</b>		<b>None</b>	
<b>7"</b>	<b>23 &amp; 26</b>	<b>10,550</b>	<b>8-3/4</b>	<b>300 sacks</b>		<b>None</b>	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
<b>None</b>					<b>2-3/8</b>	<b>10,420</b>	<b>10,420</b>
					<b>2-3/8</b>	<b>10,316</b>	<b>10,316</b>
31. Perforation Record (Interval, size and number) <b>Perfs. 10,360-65 w/4 JSPP or total of 20 holes of 0.3" diameter (Lower Wolfcamp)</b> <b>Perfs. 10,449-55 w/4 JSPP or total of 24 holes of 0.3" diameter plus perfs. 10,450, 10,451, 10,452.5 &amp; 10,453 w/1 JSPP (U. Penn)</b>				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL      AMOUNT AND KIND MATERIAL USED <b>10,360-65      1000 gals (15%) Western Reg.</b> <b>10,449-55      1000 gals (15%) Western Reg.</b> <b>10,449-55      1000 gals (15%) Western Spearhead</b> <b>10,449-55      2000 gals (15%) Halliburton MCA</b>			
33. PRODUCTION Date First Production <b>October 31, 1968</b> Production Method (Flowing, gas lift, pumping — Size and type pump) <b>Flowing</b> Well Status (Prod. or Shut-in) <b>Shut in</b>							
Date of Test <b>Oct. 31, 1968</b>	Hours Tested <b>24</b>	Choke Size <b>3/4</b>	Prod'n. For Test Period <b>238</b>	Oil — Bbl. <b>238</b>	Gas — MCF <b>302</b>	Water — Bbl. <b>0</b>	Gas — Oil Ratio <b>1270</b>
Flow Tubing Press. <b>75</b>	Casing Pressure <b>Prod. below pkr</b>	Calculated 24-Hour Rate <b>238</b>	Oil — Bbl. <b>238</b>	Gas — MCF <b>302</b>	Water — Bbl. <b>0</b>	Oil Gravity — API (Corr.) <b>44.5</b>	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
35. List of Attachments <b>Schlumberger Gamma Ray-Sonic, Induction &amp; Microlog submitted with Form C-105 dated Nov. 6, 1968.</b>							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED <b>J. R. Gray</b>				TITLE <b>Production Engineer</b>		DATE <b>Nov. 13, 1968</b>	

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. Morrisson
T. Blinberry	T. Gr. Wash	T. Todillo	T. Entrada
T. Tubb	T. Granite	T. Bone Springs	T. Wingate
T. Drinkard	T. Delaware Sand	T. Wolfcamp	T. Permian
T. Abo	T. 7873 (-3722)	T. Cisco (Bough C)	T. Permian
T. 7191 (-3040)	T. 9622 (-5471)		
T. 4300 (+149)			
T. 3680 (+471)			
T. 2890 (+1261)			

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	400	400	Caliche				
400	1270	870	Red Beds				
1270	2300	1030	Red beds & anhydrite				
2300	4500	2200	Anhydrite & dolomite				
4500	9800	5300	Dolomite & limestone				
9800	10398	598	Limestone w/interbedded shale and chert				
10,398	10420	22	Shale				
10,420	10445	25	Limestone & shale				
10,445	10470	25	Limestone				
10,470	10475	5	Shale				
10,475	10502	27	Limestone & shale				
10,502	10550	48	Limestone				

DRILL STEM TEST DATA  
SUPERIOR STATE "L" COM NO. 1  
510' FSL & 660' FEL  
SECTION 33, T-13-S, R-34-E  
CERCA (UPPER PENN) FIELD  
LEA COUNTY, NEW MEXICO

- DST No. 1: 10,160-10,225      Ran Halliburton test tool on 4-1/2" dry drill pipe with packer at 10,159'. Tool open for 20 minute preflow w/very weak blow air and dead in 12 min. Closed tool for 1 hr ISIP, opened tool for 1 hr final flow w/no blow. Closed tool for 1 hr final shut in. Recovered 25' drlg mud w/no shows. IHYP = 4659, 1 hr ISIP = 69, Final Flow Press. = 46, 1 hr FSIP = 46, FHYP = 4659, BHT = 143°F.
- DST No. 2: 10,435-10,486      Ran Halliburton DST tool on 4-1/2" dry drill pipe w/packer set at 10,435'. Tool open for 10 min preflow w/strong blow air. Closed tool for 1 hour ISIP w/gas to surface in 25 min. Tool open for 4 hr & 20 min final flow thru 1/4" chk w/oil to surface in 2 hours & 10 min, & flowed est. 8 EOPH w/max TP = 190 psig. Closed tool in for 2-1/2 hrs final shut in. Pulled packer loose & reversed out est. 65 BO w/no water plus 90' mud cut oil. IHYP = 5147, 1 hr ISIP = 3143, Final Flow = 600-2106, 2-1/2 hr FSIP = 3098, FHYP = 5103, BHT = 154°F.

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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

Operator <b>The Superior Oil Company</b>	
Address <b>P. O. Box 1900, Midland, Texas 79701</b>	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Application to dual complete State "L" COM No. 1 Well is pending approval by NMOC. Request approval to sell 1500 BO from Lower Wolfcamp Zone, 340 BO produced during completion tests in October, and plan additional testing of this zone.
Recompletion <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	
Change in Transporter of:	
Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
If change of ownership give name and address of previous owner _____	

I. DESCRIPTION OF WELL AND LEASE

Lease Name <b>State "L" COM</b>	Lease No. <b>OG-5217</b>	Well No. <b>1</b>	Pool Name, Including Formation <b>Undesignated - Lower Wolfcamp</b>	Kind of Lease State, Federal or Fee <b>State</b>
Location				
Unit Letter <b>P</b>	<b>510</b>	Feet From The <b>South</b>	Line and <b>660</b>	Feet From The <b>East</b>
Line of Section <b>33</b>	Township <b>13-S</b>	Range <b>34-E</b>	, NMPM, <b>Lea</b> County	

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
<b>Pan American Petroleum Corp. (trucks)</b>	<b>P. O. Box 1725, Midland, Texas 79701</b>					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
<b>Warren Petroleum Corporation</b>	<b>P. O. Box 67, Monument, New Mexico 88264</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	<b>P</b>	<b>33</b>	<b>13-S</b>	<b>34-E</b>	<b>No</b>	

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input type="checkbox"/>	Diff. Res'v. <input type="checkbox"/>
Date Spudded <b>August 30, 1968</b>	Date Compl. Ready to Prod. <b>October 31, 1968</b>		Total Depth <b>10,550</b>		P.B.T.D. <b>10,494</b>			
Elevations (DF, RKB, RT, GR, etc.) <b>KB-4151; GL-4136</b>	Name of Producing Formation <b>Lower Wolfcamp</b>		Top Oil/Gas Pay <b>10,356 (-6205)</b>		Tubing Depth <b>10,316</b>			
Perforations <b>Perfs. 10,360-65 w/4 J87F</b>					Depth Casing Shoe <b>10,550</b>			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<b>17-1/2"</b>	<b>13-3/8"</b>		<b>409</b>		<b>450</b>			
<b>12-1/4"</b>	<b>9-5/8"</b>		<b>4500</b>		<b>665</b>			
<b>8-3/4"</b>	<b>7"</b>		<b>10,550</b>		<b>300</b>			
<b>2-3/8", 4.64, N-80 tubing at 10,316'</b>								

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

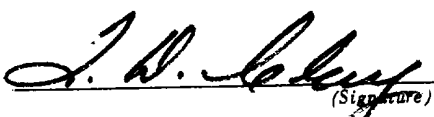
Date First New Oil Run To Tanks <b>October 31, 1968</b>	Date of Test <b>October 31, 1968</b>	Producing Method (Flow, pump, gas lift, etc.) <b>Flowing</b>	
Length of Test <b>24</b>	Tubing Pressure <b>75</b>	Casing Pressure <b>Prod. below pkr.</b>	Choke Size <b>3/4</b>
Actual Prod. During Test <b>238</b>	Oil - Bbls. <b>238</b>	Water - Bbls. <b>0</b>	Gas - MCF <b>302</b>

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
**Production Engineer**  
(Title)  
**November 13, 1968**  
(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

## THE SUPERIOR OIL COMPANY

STATE "L" COM #1

## TABULATION OF DEVIATION SURVEYS

LOCATION: 510' FSL & 660' FEL  
 Section 33, T-13-S, R-34-E  
 Cerca (Upper Penn) Field, Lea County, New Mexico

Depth (Feet)	Deviation (Degrees)	Depth (Feet)	Deviation (Degrees)	Depth (Feet)	Deviation (Degrees)
110	1/4	3034	1-1/2	7609	1/2
250	1/4	3314	1-1/4	8009	3/4
405	3/4	3652	1	8167	1/2
600	3/4	4062	1-1/4	8573	2
800	1/4	4330	3/4	8622	2-1/4
995	1/2	4500	1-1/4	8700	1-3/4
1195	3/4	4900	1-1/4	8983	1-1/2
1397	1-1/4	5297	3/4	9413	2-3/4
1604	1-1/2	5705	3/4	9657	2-1/2
1980	3/4	5909	1/2	10,071	1-1/4
2370	2	6333	3/4	10,225	3/4
2537	2	6736	3/4	10,361	3/4
2724	1-3/4	6799	1/2	10,486	1-1/4
2822	2	7198	3/4	10,550	1-1/4

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

*L. D. L. L.*

SUBSCRIBED and sworn to before me this 6th day of NOVEMBER, 19 68

*L. D. L. L.*  
 Notary Public in and for Midland  
 County, Texas

My Commission Expires June 1, 1969