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DEC 17 1984  
NEW MEXICO OIL AND GAS COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
O. C. D.  
ARTESIA, OFFICE

Form C-105  
Revised 11-1-84

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. LG 3374

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
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"/>

7. Unit Agreement Name
8. Farm or Lease Name Zephyr ZQ State
9. Well No. 1
10. Field and Pool, or Wildcat Square Lake Grbg-SA

2. Name of Operator Yates Petroleum Corporation
3. Address of Operator 207 South 4th St., Artesia, NM 88210

4. Location of Well UNIT LETTER B LOCATED 330 FEET FROM THE North LINE AND 2310 FEET FROM East THE East LINE OF SEC. 32 TWP. 16S RGE. 31E NMPM
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12. County Eddy
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15. Date Spudded 10-3-84	16. Date T.D. Reached 10-20-84	17. Date Compl. (Ready to Prod.) 12-11-84	18. Elevations (DF, RKB, RT, GR, etc.) 3948' GR	19. Elev. Casinghead
20. Total Depth 5700'	21. Plug Back T.D. 5385'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-5700'	Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name 4984-5051' San Andres	25. Was Directional Survey Made No
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26. Type Electric and Other Logs Run CNL/FDC; DLL	27. Was Well Cored No
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28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50#	448'	17-1/2"	375	
5-1/2"	15.5#	5620'	7-7/8"	1000	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	5041'	-

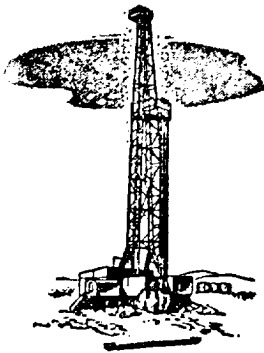
31. Perforation Record (Interval, size and number) 4984-5051' w/14 .41" Holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 4984-5051' AMOUNT AND KIND MATERIAL USED w/2500g. 15% acid + 13 ball sealers. SF w/2500g. 15% acid, 30000g. 30# gel, 60000# 20/40 sd.
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33. PRODUCTION							
Date First Production 12-10-84	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping					Well Status (Prod. or Shut-in) Producing	
Date of Test 12-11-84	Hours Tested 24	Choke Size Open	Prod'n. For Test Period 15	Oil - Bbl. 15	Gas - MCF 4	Water - Bbl. 61	Gas-Oil Ratio 267/1
Flow Tubing Press. -	Casing Pressure -	Calculated 24-Hour Rate 15	Oil - Bbl. 15	Gas - MCF 4	Water - Bbl. 61	Oil Gravity - API (Corr.) 35°	

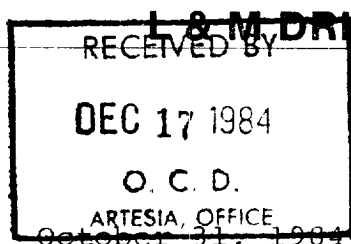
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented	Test Witnessed By Sam Machuca
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35. List of Attachments Deviation Survey
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36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.
SIGNED <i>Quanta Goodlett</i> TITLE Production Supervisor DATE 12-12-84



Telephone (505) 748-2205



**L & M DRILLING, INC. — Oil Well Drilling Contractors**

P. O. BOX 672 / ARTESIA, NEW MEXICO 88210  
470

Yates Petroleum Corporation  
207 South Fourth Street  
Artesia, NM 88210

Re: Zephyr ZQ State #1  
330' FNL & 2310' FEL  
Sec. 32, T16S, R31E  
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
450'	1/2°
1027'	1/2°
1450'	1/2°
1914'	3/4°
2379'	1/2°
2835'	1°
3453'	1°
3823'	1°
4327'	1°
4852'	1°
5280'	1 1/2°
5700'	1 1/4°

Very truly yours,

B. N. Muncy Jr.  
President

BNM/rlg

STATE OF NEW MEXICO                   §  
COUNTY OF EDDY                       §

The foregoing was acknowledged before me this 31st day of October, 1984.

  
NOTARY PUBLIC

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 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 110a.

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

### Southeastern New Mexico

T. Anhy \_\_\_\_\_ 457  
T. Salt \_\_\_\_\_ 626  
B. Salt \_\_\_\_\_ 1636  
T. Yates \_\_\_\_\_  
T. 7 Rivers Mkr 2048  
T. Queen \_\_\_\_\_ 2650  
T. Grayburg \_\_\_\_\_ 3050  
T. San Andres \_\_\_\_\_ 3386  
T. Glorieta \_\_\_\_\_ 4982  
T. Paddock \_\_\_\_\_  
T. Blinbry \_\_\_\_\_  
T. Tubb \_\_\_\_\_  
T. Drinkard \_\_\_\_\_  
T. Abo \_\_\_\_\_  
T. Wolfcamp \_\_\_\_\_  
T. Penn. \_\_\_\_\_  
T. Cisco (Bough C) \_\_\_\_\_

T. Canyon \_\_\_\_\_  
T. Strawn \_\_\_\_\_  
T. Atoka \_\_\_\_\_  
T. Miss \_\_\_\_\_  
T. Devonian \_\_\_\_\_  
T. Silurian \_\_\_\_\_  
T. Montoya \_\_\_\_\_  
T. Simpson \_\_\_\_\_  
T. McKee \_\_\_\_\_  
T. Ellenburger \_\_\_\_\_  
T. Gr. Wash \_\_\_\_\_  
T. Granite \_\_\_\_\_  
T. Delaware Sand \_\_\_\_\_  
T. Bone Springs \_\_\_\_\_  
T. Penrose \_\_\_\_\_ 2904  
T. Metex \_\_\_\_\_ 3240  
T. Premier \_\_\_\_\_ 3350  
T. Slaughter \_\_\_\_\_ 4010

### Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_  
T. Kirtland-Fruitland \_\_\_\_\_  
T. Pictured Cliffs \_\_\_\_\_  
T. Cliff House \_\_\_\_\_  
T. Menefee \_\_\_\_\_  
T. Point Lookout \_\_\_\_\_  
T. Mancos \_\_\_\_\_  
T. Gallup \_\_\_\_\_  
T. Base Greenhorn \_\_\_\_\_  
T. Dakota \_\_\_\_\_  
T. Morrison \_\_\_\_\_  
T. Todilto \_\_\_\_\_  
T. Entrada \_\_\_\_\_  
T. Wingate \_\_\_\_\_  
T. Chinle \_\_\_\_\_  
T. Permian \_\_\_\_\_  
T. Penn. "A" \_\_\_\_\_

T. Penn. "B" \_\_\_\_\_  
T. Penn. "C" \_\_\_\_\_  
T. Penn. "D" \_\_\_\_\_  
T. Leadville \_\_\_\_\_  
T. Madison \_\_\_\_\_  
T. Elbert \_\_\_\_\_  
T. McCracken \_\_\_\_\_  
T. Ignacio Qtzte \_\_\_\_\_  
T. Granite \_\_\_\_\_

### OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

### FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	40	40	Surface				
40	470	430	Anhydrite, Rebeds				
470	1620	1150	Anhydrite, Salt				
1620	1660	40	Shale, Redbeds				
1660	1900	240	Anhydrite, Sand, Shale, Dolo				
1900	2370	470	Anhydrite, Dolo				
2370	3010	640	Sandstone, Anhy, Dolo				
3010	3100	90	Shale, Anhydrite, Dolo				
3100	3240	140	Anhy, Dolo				
3240	3410	170	Dolo, Anhy, Sand				
3410	3900	490	Dolomite, Anhydrite				
3900	4830	930	Dolomite, Chert				
4830	5700	870	Dolomite, Anhydrite, Chert				