

RECEIVED BY UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE  
Artesia, NM 88210

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		1. LEASE DESIGNATION AND SERIAL NO. NM 0486	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Yates Petroleum Corporation		7. UNIT AGREEMENT NAME Big Eddy Unit	
3. ADDRESS OF OPERATOR 207 South 4th St., Artesia, NM 88210		8. FARM OR LEASE NAME Big Eddy Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 980 FSL & 1980 FEL, Sec. 21-T21S-R28E At top prod. interval reported below At total depth		9. WELL NO. 109-Y	
14. PERMIT NO.		DATE ISSUED	
10. FIELD AND POOL, OR WILDCAT Undes. Delaware		12. COUNTY OR PARISH Eddy	
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Unit 0, Sec. 21-21S-28E		13. STATE NM	
15. DATE SPUDDED 3-13-85	16. DATE T.D. REACHED 4-7-85	17. DATE COMPL. (Ready to prod.) 7-2-85	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3211' GR
20. TOTAL DEPTH, MD & TVD 6037'	21. PLUG BACK T.D., MD & TVD 5987'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS X
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3552-5951'			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC; DLL			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	54.5#	925'	17 1/2"
8-5/8"	24 & 32#	2555'	12 1/2"
5-1/2"	15.5#	6037'	7-7/8"
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
			SIZE
			DEPTH SET (MD)
			PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5818-5951' w/20 .50" holes w/3500g. 7 1/2% acid. SF w/40000g KCL, 80000# 12/20 sand.		DEPTH INTERVAL (MD)	
5456 1/2-5600' w/17 .50" holes w/2500g. 7 1/2% acid. SF w/30000g KCL, 60000# 12/20 sd+1000g acid.		AMOUNT AND KIND OF MATERIAL USED	
3552-4130' w/42 .42" holes w/5500g. 7 1/2% acid. SF w/60000g KCL, 120000# 12/20 sd+1500g acid.			
33. PRODUCTION			
DATE FIRST PRODUCTION 5-15-85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping	
DATE OF TEST 7-2-85		WELL STATUS (Producing or shut-in) Producing	
HOURS TESTED 24	CHOKE SIZE Open	PROD'N. FOR TEST PERIOD 29	GAS—MCF. 7
WATER—BBL. 265	GAS—OIL RATIO 241/1		
FLOW. TUBING PRESS. -	CASING PRESSURE -	CALCULATED 24-HOUR RATE 29	OIL GRAVITY-API (CORR.) 41°
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		TEST WITNESSED BY Perry Troublefield	
35. LIST OF ATTACHMENTS Deviation Survey			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Juanita Goodlett		TITLE Production Supervisor	
DATE 7-9-85			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

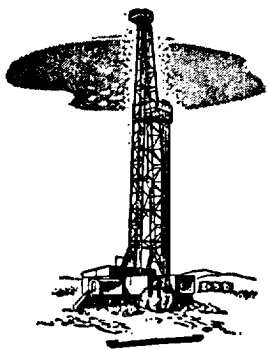
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORRD INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Capitan Reefs	1002	
				Delaware	2524	
				Cherry Canyon	3550	
				Bone Springs	5962	

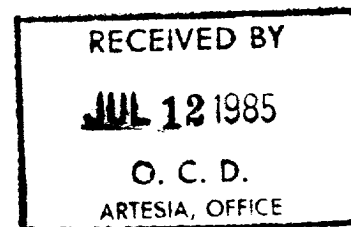
## 38. GEOLOGIC MARKERS



# LaRue Drilling Co., Inc. — Oil Well Drilling Contractors

P. O. BOX ~~202~~ ARTESIA, NEW MEXICO 88210

April 16, 1985



Yates Petroleum Corporation  
207 South Fourth Street  
Artesia, NM 88210

Re: Big Eddy Unit #109-Y  
980' FSL & 1930' FEL  
Sec. 21, T21S, T28E  
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
495'	1 1/4°
925'	1°
1583'	1/2°
2046'	1/4°
2555'	3/4°
2815'	1/4°
3310'	1°
3808'	3/4°
4302'	3/4°
4795'	3/4°
5291'	1 1/2°
5788'	1 1/4°
6030'	1 1/4°

Very truly yours,

B. N. Muncy Jr.  
Secretary

STATE OF NEW MEXICO §  
COUNTY OF EDDY §

The foregoing was acknowledged before me this 16th day of April, 1985.

REGINA L. GARNER  
NOTARY PUBLIC

