

RECEIVED BY  
UNITED STATES DEPARTMENT OF THE INTERIOR  
BIOLOGICAL SURVEYNM OIL CONSERVATION DIVISION  
SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> WATER <input type="checkbox"/> WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/> P&A		5. LEASE DESIGNATION AND SERIAL NO. NM 37410	
b. TYPE OF COMPLETION: NEW WELL <input 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	
3. ADDRESS OF OPERATOR 207 South 4th St., Artesia, NM 88210		8. FARM OR LEASE NAME Cowboy Mesa AAY Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1960 FSL & 1980 FEL, Sec. 19-T2S-R17E  At top prod. interval reported below  At total depth		9. WELL NO. 1-Y	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUNDED 1-29-85		16. DATE T.D. REACHED 2-9-85	
17. DATE COMPL. (Ready to prod.) Dry		18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5414' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 2579'	
21. PLUG, BACK T.D., MD & TVD -		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC; DLL	
27. WAS WELL CORED		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
33.* DATE FIRST PRODUCTION BUREAU OF LAND MANAGEMENT ROSWELL RESOURCE AREA		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS Deviation Survey; DST's		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <i>L. Anita Goodlett</i>		TITLE Production Supervisor	
DATE 2-20-85		DATE 2-20-85	

\*(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; CORED 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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Yeso	489	
				Abo	1390	
				Granite	2444	

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

Cowboy Mesa "AAY" Federal #1-Y - NM 37410  
1960 FSL & 1980 FEL, Sec. 19-T2S-R17E  
Lincoln County, NM

DST #1 498-605' (107'): TO 20"; SI 72"; TO 60"; SI 122". Tool opened with strong blow. After 5 minutes on 1/8" bubble hose had 2" in bucket; 10 minutes 1-3/4" in bucket and 15 minutes 2" in bucket. Reopened tool with strong blow. After 4 minutes on 1/8" bubble hose had 4" in bucket; 9 minutes 2" in bucket; 24 minutes 1-1/2" in bucket and 39 minutes blow quit with no bubble. Recovery: 596' of drilling mud. Sampler: 1600 cc fluid. BHT: 76°. Pressures: IHP 249; IFP 97-263; ISIP 139; FFP 263-249; FSIP 139; FHP 249.

DST #2 (2250-2370') 120' Precambrian: TO 35"; SI 60"; TO 90"; SI 180". Opened tool, bubble hose had 1/2" in bucket. In 5 minutes, slight increase in blow to 1" in bucket. In 15 minutes decreased blow to 1/2" in bucket. Closed tool. Reopened tool with 1/4" in bucket. In 16 minutes, decreased in blow with hose at top of bucket with a slight blow, In 27 minutes, increased to 1/4" in bucket. Stabilized at 1/4" in bucket. Closed tool. Recovery: 300' drilling fluid. Sampler: 4 psi, gas .003 cu ft, mud 2700 cc. No GTS. Pressures: IHP 1185; IFP 21-69; ISIP 703; FFP 83-167; FSIP 751; FHP 1185.

*Young Drilling Co.*

P. O. BOX 717

FARMINGTON, NEW MEXICO 87401

(505) 327-5218

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FEB 21 1985

O. C. D.

ARTESIA, OFFICE

RECEIVED FEB 18 1985

Februaru 14, 1985


Yates Petroleum Company  
207 S. 4th St.  
Artesia, New Mexico 88210

ATTN: Juanita Goodlett

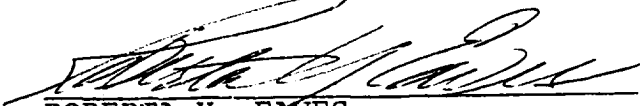
RE: Deviation Survey  
Cowboy Mesa AAY Fed #1

DEVIATION SURVEY

<u>DEPTH</u>	<u>DEGREES</u>
369'	1 1/2
489'	1 3/4

  
M. Herman Walters  
Vice-President

SUBSCRIBED AND SWORN BEFORE ME ON THIS 14TH DAY OF FEBRUARY, 1985.

  
ROBERTA Y. EAVES  
NOTARY PUBLIC  
SAN JUAN COUNTY  
STATE OF NEW MEXICO  
MY COMMISSION EXPIRES: 7/27/87