

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

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

NO. OIL COM. COMMISSION

DD (Reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

Artesia, NM 88210

NM-12391-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR  
Yates Petroleum Corporation

3. ADDRESS OF OPERATOR  
207 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal regulations)  
At surface 1630' FSL & 2255' FWL, Sec. 25-T24S-R23E

At top prod. interval reported below

At total depth

RECEIVED  
OCT 19 1981

14. PERMIT NO. O. G. D. ARTESIA OFFICE

7. UNIT AGREEMENT NAME

Serpentine Bends Unit

8. FARM OR LEASE NAME

Serpentine Bends Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Unit K, Sec. 25-24S-23E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

15. DATE SPUNDED 9-30-80 16. DATE T.D. REACHED 2-2-81 17. DATE COMPL. (Ready to prod.) Dry 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4517' GR - 4533' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11400' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 153-11400' 24. ROTARY TOOLS 0-153' CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 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)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	273'	17-1/2"	300	
8-5/8"	24#	2107'	12-1/4"	1620	
7"	20#	3795'	7-7/8"	150	2100'
4-1/2"	11.6 & 13.5#	11400'	6-1/4"	550	5440'

29. LINER 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.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—EHL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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 [Signature] TITLE Engineering Secretary DATE Oct. 14, 1981

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

ACCEPTED FOR RECORD  
ROGER A. CHAPMAN

OCT 21 1981

U.S. GEOLOGICAL SURVEY  
FEDERAL BUREAU OF RESEARCH  
NEW MEXICO

Posted ID-2  
P & A  
11-6-81

# 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.)

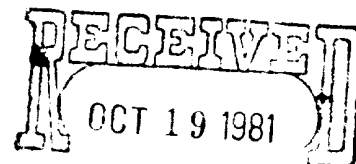
## 37. SUMMARY OF POHOTS ZONES:

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.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Delaware Sand	2115	
				Bone Springs ls	3240	
				3rd Bone Spr. SH	7377	
				Wolfcamp	7671	
				Canyon	8997	
				Strawn	9739	
				Atoka	10103	
				Morrow Classics	10863	
				Lower Morrow	11149	

DRILL STEM TESTS

Yates Petroleum Corporation  
Serpentine Bends Unit #1 - NM 12391-A  
1630' FSL & 2255' FWL, Sec. 25-24S-23E  
Eddy County, New Mexico



OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

DST #1 - 2552-2610': TO 30"; SI 90"; TO 60"; SI 180". Opened tool w/fair blow increasing to good blow. Reopened tool w/fair blow increasing to good blow. Reopened tool w/fair blow increasing to good blow. No GTS. Recovery: 1581' drilling fluid. Sampler: 0 cfg, 0 psi and 0 fluid. BHT: 82 degrees. Pressures: HP 1130-1091; IFP 210-433; ISIP 828, FFP 446-696; FSIP 815.

DST #2 - 9487-9594': TO 30"; SI 90"; TO 30"; SI 120". Tool opened w/fair blow. No GTS. Reopened tool w/weak blow and died. No GTS. Recovery: 10' drilling fluid. Sampler: 2000 cc drilling mud, no gas. BHT: 158 degrees. Pressures: HP 4369-4391; IFP 111-111; ISIP 324; FFP 111-124, FSIP 312.

DST #3 - 9940-10139': Set packer at 9920' - failed. Reset packer at 9940'. TO 30"; SI 60"; TO 120", SI 180". Tool opened w/strong blow in 1/4" choke. GTS in 10 minutes - 110 psi. Reopened w/strong blow on 1/4" choke. 100 psi in 10 minutes, 150 psi in 20 minutes, 190 psi in 30 minutes, 205 psi in 50 minutes, 205 psi in 50 minutes. Started decreasing to 200# at 70 minutes, 180# at 80 minutes, 160# at 90 minutes, 140# at 100 minutes, 130# at 110 minutes, 120# at 120 minutes. Recovery: 900' formation cut drilling fluid. Sampler: 6.88 cfg, 0 cc oil, 450 cc water at 1100 psi. BHT: 1620 degrees F. Pressures: HP 4692-4725; IFP 368-626; ISIP 3986; FFP 478-856; FSIP 3791.

WELL NAME AND NUMBER Serpentine Bends #1

LOCATION Section 25, T24S, R23E, Eddy County, New Mexico  
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Yates Petroleum Corporation

001 - 581

DRILLING CONTRACTOR MORANCO

O. C. D.  
ARTESIA OFFICE

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1 109</u>	<u>3 1/4 5740</u>	<u>4 1/2 7025</u>	<u>1 1/4 8630</u>
<u>2 420</u>	<u>4 5826</u>	<u>4 7085</u>	<u>1 9040</u>
<u>1 1/2 625</u>	<u>3 1/2 5895</u>	<u>4 7150</u>	<u>1 9160</u>
<u>1 1/2 1225</u>	<u>2 3/4 5977</u>	<u>3 1/2 7224</u>	<u>1 9578</u>
<u>1 2218</u>	<u>2 1/2 6005</u>	<u>3 7251</u>	<u>1 9840</u>
<u>3/4 2610</u>	<u>2 3/4 6028</u>	<u>3 7308</u>	<u>3/4 10136</u>
<u>2 3110</u>	<u>2 3/4 6158</u>	<u>3 7370</u>	<u>1 10406</u>
<u>1 3/4 3795</u>	<u>3 6251</u>	<u>3 1/4 7432</u>	<u>3 1/4 11034</u>
<u>1/2 4029</u>	<u>3 1/2 6347</u>	<u>3 7528</u>	<u>3 1/2 11332</u>
<u>3/4 4051</u>	<u>3 6379</u>	<u>3 7682</u>	<u>3 11400</u>
<u>1/2 4325</u>	<u>3 6439</u>	<u>3 7804</u>	
<u>1/2 4500</u>	<u>3 6502</u>	<u>4 1/2 7926</u>	
<u>1/2 4795</u>	<u>3 3/4 6564</u>	<u>4 1/2 7988</u>	
<u>1 1/4 4910</u>	<u>4 6627</u>	<u>4 8048</u>	
<u>4 1/2 5432</u>	<u>4 6685</u>	<u>4 1/2 8110</u>	
<u>3 3/4 5150</u>	<u>4 1/4 6748</u>	<u>4 1/2 8205</u>	
<u>4 1/4 5300</u>	<u>4 1/4 6812</u>	<u>4 1/2 8298</u>	
<u>4 3/4 5525</u>	<u>4 1/4 6844</u>	<u>3 8391</u>	
<u>4 1/2 5635</u>	<u>4 3/4 6890</u>	<u>2 3/4 8577</u>	
<u>4 1/2 5700</u>	<u>4 1/2 6965</u>	<u>1 1/2 8608</u>	

Drilling Contractor MORANCO

By

Jerry Gilbert  
Jerry Gilbert, Vice President Engineering

Subscribed and sworn to before me this 26th day of February 1981

