

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-9539	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		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 Williamson LC Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 660' FSL & 660' FEL At top prod. interval reported below At total depth		9. WELL NO. 2	
14. PERMIT NO.		DATE ISSUED APR 6 1981 U.S. GEOLOGICAL SURVEY ROSWell, NEW MEXICO	
15. DATE SPUDDED 12-23-80		16. DATE T.D. REACHED 2-6-81	
17. DATE COMPL. (Ready to prod.) 4-2-81		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3650.4' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4450'	
21. PLUG, BACK T.D., MD & TVD 4392'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-4450'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 3678-3806' Abo	
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.	
13-3/8"		54.50#	
8-5/8"		24#	
5-1/2"		14#	
DEPTH SET (MD)		HOLE SIZE	
395'		17-1/2"	
1352'		12-1/4"	
4400'		7-7/8"	
CEMENTING RECORD		AMOUNT PULLED	
400			
1150			
295			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)	
SIZE		DEPTH SET (MD)	
2-3/8"		3801'	
PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) 3678-3806' w/8 .50" holes APR 10 1981		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3678-3806' AMOUNT AND KIND OF MATERIAL USED w/1500 g. 7 1/2% acid N2 & ball sealers. SF w/20000 g. gel 2% KCL wtr, CO2, RA sd & 50000# sd.	
33.* ARTESIAN PRODUCTION		DATE FIRST PRODUCTION 4-2-81	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SIWOPLC	
DATE OF TEST 4-2-81		HOURS TESTED 5	
CHOKE SIZE 1/2"		PROD'N. FOR TEST PERIOD →	
OIL—BBL. →		GAS—MCF. 94	
WATER—BBL. →		GAS-OIL RATIO →	
FLOW. TUBING PRESS. 65#		CASING PRESSURE Pkr	
CALCULATED 24-HOUR RATE →		OIL—BBL. →	
GAS—MCF. 450		WATER—BBL. →	
OIL GRAVITY-API (CORR.) →			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented - will be sold		TEST WITNESSED BY Bill Hansen	
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 _____		TITLE Engineering Secretary	
DATE 4-3-81			

*(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		38. GEOLOGIC MARKERS																		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.																	
			<table border="1"> <thead> <tr> <th rowspan="2">NAME</th> <th colspan="2">TOP</th> </tr> <tr> <th>MEAS. DEPTH</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>San Andres</td> <td>553</td> <td></td> </tr> <tr> <td>Glorieta</td> <td>1385</td> <td></td> </tr> <tr> <td>Abo</td> <td>3644</td> <td></td> </tr> <tr> <td>Wolfcamp</td> <td>4304</td> <td></td> </tr> </tbody> </table>	NAME	TOP		MEAS. DEPTH	TRUE VERT. DEPTH	San Andres	553		Glorieta	1385		Abo	3644		Wolfcamp	4304	
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ACCEPTED FOR RECORD
PETER W. CHESTER
APR 6 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO



LaRue Drilling Co., Inc.

PHONE: 505-746-4405

P. O. BOX 202

ARTESIA, NEW MEXICO 88210

February 10, 1981

Yates Petroleum Corporation
207 South Fourth
Artesia, New Mexico 88210

RECEIVED

APR 06 1981

O. C. D.
ARTESIA, OFFICE

Re: Williamson "LC" Federal #2 ✓
660' FSL, 660' FWL,
Section 9, T-8-S, R-25-E
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey of the above captioned well:

Depth	Deviation
395'	1/4 °
885'	1/4 °
1352'	1/4 °
1915'	1/4 °
2405'	1/2 °
2906'	1/2 °
3406'	1/2 °
3594'	1/2 °
4346'	1/2 °
4450'	3/4 °

Very truly yours,

B. N. Muncy, Jr.
Secretary

STATE OF NEW MEXICO
COUNTY OF EDDY

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The foregoing was acknowledged before me this 10th day of February, 1981.

