

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-054434-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Yates "6" Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 6, T-18-S,  
R-26-E, NMPM

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

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

2. NAME OF OPERATOR  
DAVID FASKEN

APR 8 1974

3. ADDRESS OF OPERATOR  
608 First National Bank Building, Midland, Tx. 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1980' FSL & 1660' FWL, Sec. 6, T-18-S, R-26-E, NMPM

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 12-19-73 16. DATE T.D. REACHED 1-19-74 17. DATE COMPL. (Ready to prod.) 3-23-74 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)\* 3435.7 G.L. 19. ELEV. CASINGHEAD 3435.7

20. TOTAL DEPTH, MD & TVD 8710 21. PLUG, BACK T.D., MD & TVD 8555 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 8231-8241 Atoka 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FDC, DLL, Dipmeter 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	61#/ft.	509	17-1/2"	350 sx. Lite, 700 sx. "C"	(circ.)
8-5/8"	24#/ft.	1205	12-1/4"	650 sx. Lite, 200 sx. "C"	(TOC 450')
4-1/2"	11.6 & 10.5	8595	7-7/8"	275 sx. "H" w/7.6# salt &	1% Halad-9

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.
	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
8231-8241, 4 shots/ft., .44" in diameter	8231-8241 1000 gals. M-S Acid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
Waiting on connection.	Flowing	Shut In					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-22-74	4 hrs.	Various	→				**
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	THROAT CAVITY-API (CORR.)	
Various	-	→		760			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented

35. LIST OF ATTACHMENTS  
DST Summary, Form 9-331, Logs, Back Pressure Test

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Ron L. Mercer TITLE Agent DATE 4-2-74

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\*(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.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			D.S.T. Summary Attached.	San Andres	873	873
				Glorietta	2323	2323
				Abo	4234	4234
				Wolfcamp	5677	5677
				Penn.	7008	7008
				Canyon	7408	7408
				Strawn	7794	7794
				Atoka	8224	8224
				Morrow	8446	8446
				Mississippian	8660	8660

YATES "6" FEDERAL NO. 1

D.S.T. SUMMARY

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D.S.T. No. 1, 7106-7140'

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Tool opened with good blow increasing to strong blow, in 20 mins. had 10 psi on 1/4" choke at 35 MCF/D. Shut in, GTS in 13 mins. after closing tool. Tool was closed total of 1 1/2 hrs. Reopened with good blow on 1/4" choke, tool open 1 hour, had 3 psi on 1/4" choke, shut in 2 hrs. Recovered 925 ft. fluid (280 ft. gas & condensate cut drilling fluid and 645 ft. gas cut water). Middle & bottom water sample - 22,800 PPMCl (meas. by densimeter). Pit sample - 23,000 PPMCl. IHP 3186, Preflow 148-201, ISIP 2529, IFP 215, FFP 429, FSIP 2476, FHP 3160, Temp. 115° F.

D.S.T. No. 2, 8198-8246'

Tool open initially for 30 mins., opened with a weak blow of air increasing to 38 psig on 1/4" choke (air) at end of 30 mins. Shut in 1 1/2 hrs. GTS in 2 mins. after shut in. Reopened for 2 hrs. Opened with good blow of gas.

<u>Time (mins.)</u>	<u>Choke</u>	<u>Pressure (psig)</u>	<u>Rate (MCF/day)</u>
10	1/4"	60	109
20	1/4"	79	138
30	1/4"	98	164
40	1/4"	112	185
50	1/4"	128	208
60	1/4"	141	228
70	1/4"	156	250
80	1/4"	168	266
90	1/4"	177	281
100	1/4"	186	294
110	1/4"	193	304
120	1/4"	201	316

Shut in 4 hours. Recovered 188' of condensate and gas cut drilling fluid. IHP 3901, Preflow 66-131, ISIP 3000, IFP 88, FFP 285, FSIP 3000, FHP 3857, Temp. 160° F.

D.S.T. No. 3, 8434-8488'

Tool opened with good blow increasing to 5 psi on 1/4" choke in 20 mins. Shut in 60 mins. Reopened with good blow of air on 1/4" choke, GTS in 8 mins. after reopening. Left tool open total of 60 mins. Maximum flow rate - 18 psi on 1/4" choke @ 47 MCF/D at end of test. Shut in 2 hrs. Recovered 352' gas cut drilling fluid. IHP 4071, PFP 86 & 86, ISIP 1476 in 1 hr. & increasing, IFP 108, FFP 108 in 1 hr., FSIP 2850 in 2 hrs. & increasing, FHP 4029.

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D.S.T. No. 4, 8500-8550'

Tool opened with weak blow for 30 mins., continued weak blow on  $\frac{1}{4}$ " choke, pressure too small to measure, no gas to surface. Shut in  $1\frac{1}{2}$  hrs. Reopened for 1 hour, GTS in 23 mins. after reopening, increased to 12 psig on  $\frac{1}{4}$ " choke, gas rate 36 MCF/D. Shut in 2 hrs. Recovered 60' of gas cut drilling fluid. IHP 4039, PFP 29-43, ISIP 3135, IFP 43, FFP 57, FSIP 3418, FHP 4011.

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