

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ **FE8 9 11 41 11 96**
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other **DHC-1178**
Commingled Order:

2. NAME OF OPERATOR
YATES PETROLEUM CORPORATION (505) 748-1471

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).
At surface **1980' FNL & 1980' FEL (Unit G, SWNE)**

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
API 30-015-28 APR 01 1996

15. DATE SPUNDED RH **8-31-95** 16. DATE T.D. REACHED **10-10-95** 17. DATE COMPL. (Ready to prod.) **12-28-95** 18. ELEVATION OF CASING HEAD, ETC.* **HC Morrow/HG Atoka** 19. ELEV. CASING HEAD
RT **9-5-95** **10-10-95** **12-28-95** **HC Morrow/HG Atoka**

20. TOTAL DEPTH, MD & TVD **12140'** 21. PLUG, BACK T.D., MD & TVD **12075'** 22. IF MULTIPLE COMPL., HOW MANY* **2** 23. INTERVALS DRILLED BY **40-12140'** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-- TOP, BOTTOM, NAME (MD AND TVD)*
11158-11167' (Atoka) & 11491-11878' (Morrow) 25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/LDC; DLL & Long Spacing Sonic 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
30"		40'	36"	Cement to surface	
20"	94#	456'	26"	920 sx + ready-mix - circ	
13-3/8"	54.5#	1454'	17-1/2"	960 sx - circulate	
8-5/8"	32#	3450'	12-1/4"	2555 sx - circulate	
5-1/2"	17#	12140'	7-7/8"	2050 sx - circulate	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	11021'	11021'

31. PERFORATION RECORD (Interval, size and number)
11853-11878' w/28 .41" holes; 11770-11778' w/18 .41" holes; 11491-11496' w/12 .42" holes; 11491-11496' w/21 .27" holes; 10798-10836' w/20 .41" holes and 11158-11167' w/20 .25" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET	

33.* PRODUCTION
DATE FIRST PRODUCTION **12-28-95** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-5-96	24	1/8"			200		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
560#	packer			200			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Frank Molina**

35. LIST OF ATTACHMENTS
Drill Stem Tests, Deviation survey and Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **Rusty Allen** TITLE **Production Clerk**

DATE **Feb. 8, 1996**

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

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
				Yates Seven Rivers Delaware Bone Springs Wolfcamp Strawn Atoka Morrow Morrow Clastics
				1582' 1833' 3558' 6135' 9743' 10600' 10992' 11288' 11603'
				MEAS. DEPTH
				TOP
				TRUE VERT. DEPTH

YATES PETROLEUM CORPORATION
Hanagan APL Federal Com #1
Section 31-T19S-R30E
Eddy County, New Mexico

#32: ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.:

<u>DEPTH INTERVAL</u>	<u>TREATMENT</u>
11853-11878'	Acidized with 2000 gallons 7-1/2% HCL Morrow type acid with 1000 scf/bbl N2 and ball sealers.
11770-11778'	Acidized with 1000 gallons 7-1/2% HCL Morrow type acid with 1000 scf/bbl N2 and ball sealers. Frac'd with 35867 gallons 30Q Medallion frac 4000 and 31000# 20-40 ac-frac premium black sand.
11491-11496'	Acidized with 1000 gallons 7-1/2% NEFE Morrow type acid with 1000 scf/bbl N2 and ball sealers. Frac'd with 30000 gallons 30Q Medallion frac 4000 and 30000# 20-40 ac-frac premium black sand.
10798-10836'	Acidized with 3000 gallons 15% NEFE gelled acid and ball sealers.

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RESULTS OF DRILL STEM TESTS:

DST #1 1570-1620' (Yates Sand): TIMES: TO 30"; SI 60"; TO 60"; SI 120"; TO 60".
RECOVERY: 1358' of water. SAMPLER: .51 cfg, 50 cc of TSTM oil and 2150 cc water.
PRESSURES: IHP 709; IFP 470-591; ISIP 616; 2nd FP 616-621; 2nd SIP 627; 3rd
Fp 642; FHP 709.

DST #2 1632-1666' (Yates Dolomite): TIMES: TO 30"; SI 60"; TO 60"; SI 120"; TO 30".
RECOVERY: 90' of water with trace of oil. SAMPLER: .06 cfg, 50 cc of TSTM oil
and 1850 cc water. PRESSURES: IHP 725; IFP 14-23; ISIP 536; 2nd FP 24-31; 2nd SIP
475; 3rd FP 33-40; FHP 729.

DST #3 3720-3756': TIMES: TO 30"; SI 60"; TO 60"; SI 120"; TO 30". RECOVERY:
30' of rathole drilling fluid and trace of oil. SAMPLER: very slight trace of oil
and 2600 cc water. PRESSURES: IHP 1688; IFP 25-25; ISIP 49; 2nd FP 36-36;
2nd SIP 49; 3rd FP 36-49; FHP 1688.

DST #4 10388-10440' (Wolfcamp): TIMES: TO 60"; SI 120"; TO 120"; SI 240".
RECOVERY: 3329' of oil. SAMPLER: 4.01 cfg, 2500 cc oil. PRESSURES: IHP 5042;
IFP 220-327; ISIP 4920; 2nd FP 346-666; 2nd SIP 4600; FHP 5382.

DST #5 11086-11173' (ATOKA): TIMES: TO 60"; SI 120". RECOVERY: 32.56 cfg & 5 cc oil.
PRESSURES: IHP 5588; IFP 2789-4866; ISIP 5201; FHP 5590.

October 17, 1995

WELL NAME AND NUMBER: Hanagan Federal #1
LOCATION: Sec. 31 T19S R30E, Eddy County
OPERATOR: Yates Petroleum Corporation
DRILLING CONTRACTOR: ZIADRIL, Inc.

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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>DEGREE AND DEPTH</u>		<u>DEGREE AND DEPTH</u>		<u>DEGREES AND DEPTH</u>	
0.75	225'	1.00	2,515'	1.50	6,953'
0.75	456'	1.75	2,863'	1.75	7,448'
2.50	800'	3.00	3,207'	1.50	7,948'
3.00	927'	2.75	3,302'	1.75	8,446'
2.75	1,015'	2.75	3,450'	2.75	8,690'
2.75	1,110'	3.00	3,570'	2.50	8,822'
3.25	1,240'	2.50	3,665'	1.75	9,009'
2.50	1,304'	2.00	3,863'	2.50	9,479'
2.25	1,366'	1.00	4,850'	2.00	9,824'
1.50	1,454'	0.50	4,860'	0.75	10,319'
1.50	1,619'	0.75	5,362'	0.50	10,792'
1.75	1,958'	0.50	5,792'	1.25	11,173'
2.00	2,136'	0.75	6,270'	1.00	11,632'
1.75	2,323'	2.50	6,766'	1.00	12,140'

Drilling Contractor: ZIADRIL, Inc.

By: Billy Jensen
Billy Jensen

Subscribed and sworn to before me this 17th day of October, 1995.

My Commission Expires:
September 13, 1996

Virginia G. Perrey

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