

(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Oil Cons.
N.M.L. - Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED

OMB NO. 1004-0137

February 28, 1995

CISF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*						8. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
1a. TYPE OF WELL: OIL ☐ WELL GAS ☒ WELL DRY ☐ OTHER _____						7. UNIT AGREEMENT NAME -	
b. TYPE OF COMPLETION: NEW ☒ WELL WORK ☐ OVER DEEP- ☐ EN PLUG ☐ BACK DIFF ☐ CENVR. OTHER _____						8. FARM OR LEASE NAME, WELL NO. Millennium 34 Fed Com #1	
2. NAME OF OPERATOR Yates Drilling Company						9. API WELL NO. 30-015-31833	
3. ADDRESS AND TELEPHONE NO. 105 South 4th Street, Artesia, NM 505-746-0308						10. FIELD AND POOL, OR WILDCAT Grayburg Morrow	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990' FSL & 990' FWL						11. SEC., T., R., M., OR BLOCK AND SURVEY ON AREA Section 34-17S-29E	
At top prod. interval reported below							
At total depth							
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH Eddy	
						13. STATE NM	
15. DATE SPUDDED 7-10-2001		16. DATE T.D. REACHED 9-11-2001		17. DATE COMPL. (Ready to prod.) 11-20-2001		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 3531' GR	
19. ELEV. CASINGHEAD -		20. TOTAL DEPTH, MD & TVD 11,430'		21. PLUG, BACK T.D., MD & TVD 11,397'		22. IF MULTIPLE COMPL. HOW MANY * -	
23. INTERVALS DRILLED BY		ROTARY TOOLS 40-11,430'		CABLE TOOLS -			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION ---TOP, BOTTOM, NAME (MD AND TVD)* 10,874'-10,919' Morrow						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN CN/GR, Laterolog						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MC)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
20"		40'	26"	Cement to Surface			
11 3/4"	42#	420'	14 3/4"	500 sxs - circulate			
8 5/8"	32#	2900'	11"	925 sxs - circulate			
5 1/2"	17# & 15.5#	9904'	7 7/8"	1230 sxs TOC 6216'			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3 1/2"	9436'	11429'	230 sxs.		2 7/8"	9437'	9385'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
10,874'-10,882', 6 SPF, 48 holes, .25"				DEPTH INTERVAL (MD)			
10,914'-10,919', 6 SPF, 30 holes, .25"				AMOUNT AND KIND OF MATERIAL USED			
				10,874'-10,919' Acidized with 1500 gals. 7.5% NEFE HCL, 78105 SCF N2			
				10,874'-10,919' Frac'd with 34,160# 20/40 Interprop, 10,300# 20/40 Ceramax with 509,583 SCF N2, 89 tons CO2			
33. * PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping ---size and type of pump)				WELL STATUS (Producing or shut-in)	
						SIWOPLC	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
			TEST PERIOD >				
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY - API (CORR.)	
		24-HOUR RATE >					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
Directional Survey, Electric Logs, DST							

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

SIGNED

Karen J. Leishman

TITLE Engineering Technician

DATE 12-12-01

(See Instructions and Spaces for Additional Data on Reverse Side)
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

LES BABYAK
PETROLEUM ENGINEER

RECEIVED FOR RECORD

DEC 14 2001

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.	NAME	TOP	
					MEASURED DEPTH	TRUE VERT. DEPTH
				San Andres	2866'	
				Bone Springs	3824'	
				Wolfcamp	8016'	
				Upper Penn	9260'	
				Strawn	10040'	
				Atoka	10324'	
				Morrow Clastics	10780'	
				Lower Clastics	10954'	
				Chester	11271'	
				TD	11445'	

Pressure Test Report

COMPANY INFORMATION

Company Name	YATES DRILLING COMPANY
Representative	GREG BOANS
Phone	505-746-0018
Fax	505-748-4229
Address	105 S. FOURTH STREET ARTESIA, NM 88210

E-Mail Address	
Service Company	BAKER OIL TOOLS

WELL INFORMATION

Well Name	MILLENNIUM '34' FEDERAL COM #1
Well Location	S 34 / T 17 S / R 29 E
Field and Pool	WILDCAT
Status (Oil, Gas, Water, Injection)	OIL
Perforated Intervals	7296' - 7361'
Mid-point of Perforated Intervals (MPP)	7328'
Drilling Rig Number	PATTERSON 1
Elevations	
Kelly Bushing (KB)	3546'
Casing Flange (CF)	
KB-CF	16'
Ground Level	3530'
Plug Back Total Depth	
Total Depth	7361'
Production Casing	
Production Tubing	

TEST INFORMATION

Type of Test	ON BOTTOM CONVENTIONAL DRILL STEM TEST
Date(s) of Test	8/3/2001
Dead-weight Gauge Tubing Pressure	
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	8/3/2001 19:12
Date / Time off Bottom	8/4/2001 00:35

Probe Serial Number	V65	S93
Probe Offset from End of Tool String		
Run Depth at Probe Pressure Port	7256'	7301'

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	343.8 psig	3502.1 psig
Maximum Recorded Probe Temperature	116.6 deg F	118.4 deg F
Final Buildup Pressure		
Gradient Survey Information		
Extrapolated Pressure to MPP		
Final Gradient at Depth		
Job Number	362053	

PIPE RECOVERY

Cushion Type:	NONE	ft.	bbl.
Total Fluid Recovered:	704 ft.	4.32 bbl.	
Consisting of:			
Sulphur Water	704 ft.	4.32 bbl.	
	ft.	bbl.	
	ft.	bbl.	
	ft.	bbl.	
Gas recovered in Test String:	ft.		
Recovery Samples:			
TOP Sample:	75,000 ppm CHL		R.W.
MIDDLE Sample:	73,000 ppm CHL		R.W.
BOTTOM Sample:	72,000 ppm CHL		R.W.

SAMPLE CHAMBER DATA

Pressure in Sampler:	100	psig	
Total Volume of Sampler:	2600	cc	
Total Volume of Sample:	2600	cc	
Where Sampler was Drained:	RIG FLOOR		
Oil:		cc	
Water:	2600	cc	
Mud:		cc	
Gas:	0	scf	
Sample:	72,000 ppm CHL		R.W.
Gravity:			
Gas/Oil Ratio:			
Cushion Sample:	ppm CHL		R.W.
Mud Pit Sample:	80,000 ppm CHL		R.W.

[illegible]

YATES PETROLEUM CORPORATION
 MILLENNIUM 34 FEDERAL COM WELL NO. 1
 GRAYBURG MORROW FIELD
 EDDY COUNTY, NEW MEXICO
 (BASIC P/U)
 JOB NO(S): MSRG-1110660
 DATE(S) : NOVEMBER 2, 2001
 MAGNETIC DECLINATION 09 DEGREES 12 MINUTES EAST
 ALL DIRECTIONS FROM TRUE NORTH

COMPUTALOG DRILLING SERVICES, INC.

RECORD OF SURVEY

ALL CALCULATIONS PERFORMED BY AN IBM COMPATIBLE PERSONAL COMPUTER
 MINIMUM CURVATURE METHOD
 HORIZONTAL VERSION 4.1wcds

MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	DRIFT DIRECTION	TOTAL COORDINATES	C L O S U R E DISTANCE	ANGLE	DOG LEG SEVERITY DEG/100FT
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CDS SURFACE RECORDING GYROSCOPIC MULTISHOT SURVEY FROM SURFACE TO 9423 FT MD

0	.00	.00	.00	.00 N	.00 E	.00	90.00	.00
200	.63	200.00	55.83	.62 N	.91 E	1.11	55.83	.32
400	.70	399.99	323.73	2.23 N	1.11 E	2.49	26.42	.48
600	1.23	599.96	300.33	4.30 N	1.47 W	4.54	341.07	.33
800	1.12	799.92	3.68	7.33 N	3.21 W	8.00	336.37	.62
1000	1.28	999.88	12.35	11.46 N	2.60 W	11.75	347.21	.12
1200	1.97	1199.80	359.93	17.08 N	2.13 W	17.21	352.90	.38
1400	2.28	1399.67	332.75	24.06 N	3.96 W	24.38	350.66	.52
1600	2.32	1599.51	340.05	31.40 N	7.16 W	32.20	347.16	.15
1800	1.75	1799.38	343.62	38.13 N	9.40 W	39.27	346.15	.29
2000	2.33	1999.25	355.17	45.11 N	10.60 W	46.34	346.77	.36
2200	2.72	2199.06	354.08	53.89 N	11.44 W	55.09	348.02	.19
2400	2.30	2398.87	10.82	62.54 N	11.17 W	63.53	349.87	.42
2600	1.65	2598.75	3.63	69.36 N	10.24 W	70.11	351.61	.35
2800	1.22	2798.69	11.68	74.31 N	9.62 W	74.93	352.62	.24

MEASURED DEPTH	DRIPT ANGLE	TRUE VERTICAL DEPTH	DRIPT DIRECTION	TOTAL COORDINATES		C L O S U R E DISTANCE	ANGLE	DOG LEG SEVERITY DEG/100FT
3000	2.02	2998.60	6.03	79.89 N	8.82 W	80.38	353.70	.41
3200	1.95	3198.49	8.22	86.76 N	7.97 W	87.12	354.75	.05
3400	2.05	3398.37	36.18	93.01 N	5.37 W	93.17	356.70	.49
3600	1.55	3598.27	20.03	98.44 N	2.33 W	98.47	358.64	.35
3800	1.95	3798.18	8.73	104.35 N	.89 W	104.35	359.51	.26
4000	2.68	3998.01	358.18	112.39 N	.52 W	112.39	359.74	.42
4200	1.95	4197.85	347.30	120.39 N	1.42 W	120.40	359.33	.43
4400	2.65	4397.69	6.82	128.30 N	1.61 W	128.31	359.28	.52
4600	3.48	4597.41	22.97	138.48 N	1.31 E	138.49	.54	.60
4800	4.02	4796.98	5.23	151.05 N	4.31 E	151.12	1.64	.63
5000	4.23	4996.47	352.98	165.36 N	4.05 E	165.41	1.40	.45
5200	4.48	5195.89	350.75	180.40 N	1.89 E	180.41	.60	.15
5400	5.05	5395.20	345.12	196.62 N	1.62 W	196.63	359.53	.37
5600	4.77	5594.47	353.55	213.38 N	4.82 W	213.44	358.71	.39
5800	4.27	5793.86	10.87	228.95 N	4.35 W	228.99	358.91	.72
6000	2.45	5993.51	27.92	240.03 N	.94 W	240.04	359.77	1.03
6200	2.17	6193.35	1.07	247.59 N	1.13 E	247.59	.26	.55
6400	.88	6393.28	14.82	252.86 N	1.59 E	252.87	.36	.66
6600	1.47	6593.24	45.82	256.14 N	3.82 E	256.17	.85	.42
6800	1.57	6793.20	285.43	258.65 N	3.02 E	258.67	.67	1.32
7000	4.55	6992.90	259.23	257.89 N	7.41 W	258.00	358.35	1.61
7200	2.27	7192.73	49.03	259.01 N	12.22 W	259.29	357.30	3.30
7400	.77	7392.68	269.87	261.60 N	10.57 W	261.81	357.69	1.45
7600	2.23	7592.61	263.83	261.18 N	15.79 W	261.65	356.54	.74
7800	3.13	7792.39	260.12	259.82 N	25.05 W	261.02	354.49	.46
8000	4.03	7992.00	270.63	258.96 N	37.46 W	261.65	351.77	.56
8200	4.20	8191.48	269.07	258.92 N	51.82 W	264.05	348.68	.10
8400	2.37	8391.16	299.07	260.80 N	62.75 W	268.25	346.47	1.23
8600	.95	8591.08	249.53	262.23 N	67.92 W	270.88	345.48	.95
8800	1.60	8791.03	253.98	260.88 N	72.15 W	270.67	344.54	.33
9000	1.62	8990.95	254.85	259.37 N	77.56 W	270.72	343.35	.01

MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	DRIFT DIRECTION	TOTAL COORDINATES		C L O S U R E DISTANCE	ANGLE	DOG LEG SEVERITY DEG/100FT		
9200	.72	9190.91	263.20	258.49	N	81.53	W	271.04	342.49	.46
9400	1.55	9390.87	316.28	260.29	N	84.64	W	273.71	341.99	.63
9423	1.85	9413.86	287.28	260.63	N	85.21	W	274.20	341.90	3.91

BOTTOM HOLE CLOSURE 274.20 FEET AT 341.90 DEGREES AZIMUTH

COMPUTALOG

Wellbore knowledge and solutions
DRILLING SERVICES, INC.

This is to certify that the Survey Readings from 8 to 9423 were obtained by our Field Surveyors and represent, to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

COMPUTALOG

Wellbore knowledge and solutions
DRILLING SERVICES, INC.

Survey Supervisor

YATES PETROLEUM CORPORATION
MILLENNIUM 34 FEDERAL COM WELL NO. 1
GRAYBURG MORROW FIELD
EDDY COUNTY, NEW MEXICO



COMPUTALOG
Wellbore knowledge
and solutions
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SERVICES, INC.

