

OCD-ARTESIA

Form 3160-4
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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 ☐ Deepen ☐ Plug Back ☐ Diff. Reserv.,
Other:

2. Name of Operator
Yates Petroleum Corporation

3. Address
105 S. 4th Str., Artesia, NM 88210

3a. Phone No. (include area code)
505-748-1471

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 330'FSL & 1650'FEL (Unit O, SWSE)

At top prod. Interval reported below

Same as above

At total depth Same as above

RECEIVED

MAR 08 2006

OCD-ARTESIA

5. Lease Serial No.

NM-81952

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Llama ALL Federal #5

9. API Well No.

30-015-34298 0051

10. Field and Pool, or Exploratory

Cabin Lake Delaware

11. Sec., T., R., M., on Block and
Survey or Area

Section 7-T22S-R31E

12. County or Parish 13. State

Eddy

New Mexico

17. Elevations (DF, RKB, RT, GL)*

3366'GL 3383'KB

14. Date Spudded
RH 10/25/05 RT 10/28/05

15. Date T.D. Reached
11/7/05

16. Date Completed 1/24/06
☐ D & A ☒ Ready to Prod.

18. Total Depth: MD 7850'
TVD NA

19. Plug Back T.D.: MD 7803'
TVD NA

20. Depth Bridge Plug Set: MD NA
TVD NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CNL, Hi-Res Laterolog Array, CBL

22. Was Well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	48#	Surface	560'		600 sx		Surface	
11"	8-5/8"	32#	Surface	3930'		1250 sx		Surface	
7-7/8"	5-1/2"	15.5#, 17#	Surface	7850'		900 sx		2740'CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	7662'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	5632'	7772'				
B)						
C)						
D)						

SEE ATTACHED SHEET

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

SEE ATTACHED SHEET

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/25/06	2/8/06	24	⇒	67	0	392	NA	NA	Pumping
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
NA	NA	NA	⇒	67	0	392	NA	Producing	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			⇒						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

ACCEPTED FOR RECORD

DAVID R. GLASS

MAR 6 2006

DAVID R. GLASS
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				Rustler	494'
				TOS	796'
				BOS	3826'
				Bell Canyon	3998'
				Cherry Canyon	4821'
				Brushy Canyon	6194'
				Bone Spring	7828'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Survey

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

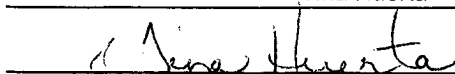
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

February 24, 2006

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Yates Petroleum Corporation
Llama ALL Federal #5
Chaves County, New Mexico

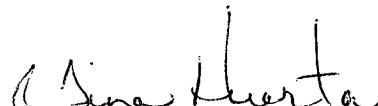
Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No.Holes	Perf. Status
7562'-7578'		17	Producing
7590'-7600'		11	Producing
7638'-7644'		7	Producing
7766'-7772'		7	Producing
7112'-7124'		13	Producing
7140'-7150'		11	Producing
6756'-6762'		7	Producing
6810'-6814'		5	Producing
6818'-6830'		13	Producing
6894'-6904'		11	Producing
6252'-6256'		5	Producing
6272'-6274'		3	Producing
6282'-6284'		3	Producing
5632'-5640'		9	Producing
5740'-5750'		11	Producing
5890'-5900'		11	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7562'-7772'	Acidize w/1500g 7-1/2% HCL with 70 ball sealers Frac w/XL water frac, 1316 bbls fluid, 150,000# 20/40 Super LC
7112'-7150'	Acidize w/1500g 7-1/2% HCL w/40 ball sealers Frac w/XL water frac, 437 bbls fluid and 42,000# 20/40 Super LC
6894'-6904'	Acidize w/500g 7-1/2% HCL
6810'-6830'	Acidize w/750g 7-1/2% HCL
6756'-6762'	Acidize w/500g 7-1/2% HCL
6756'-6904'	Frac w/XL water frac, 533 bbls fluid, 50,000# 20/40 Super LC
6252'-6284'	Acidize w/750g 7-1/2% HCL w/20 ball sealers Frac w/XL water frac, 367 bbls fluid, 30,000# 20/40 Super LC
5632'-5640'	Acidize w/350g 7-1/2% HCL
5740'-5750'	Acidize w/350g 7-1/2% HCL
5890'-5900'	Acidize w/500g 7-1/2% HCL


Regulatory Compliance Supervisor
February 24, 2006

OPERATOR YATES PETROLEUM CORP.
WELL/LEASE LLAMA ALL FED 5
COUNTY EDDY, NM

076-0079

STATE OF NEW MEXICO
DEVIATION REPORT

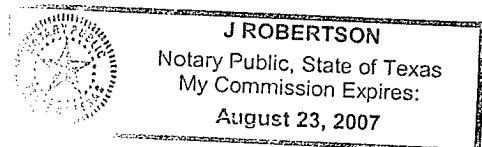
208	0.75	3,635	1.14
360	1.00	3,698	1.14
560	1.00	3,761	1.06
628	0.18	3,822	1.06
723	0.44	3,884	0.97
815	0.35	4,196	1.50
910	0.35	4,664	1.00
1,004	0.53	5,138	1.00
1,099	0.62	5,610	0.50
1,193	0.79	6,106	1.00
1,287	0.97	6,607	1.25
1,349	1.06	7,107	1.00
1,443	1.14	7,575	1.25
1,537	1.14	7,833	1.50
1,632	1.49		
1,725	1.14		
1,818	1.41		
1,911	0.97		
2,004	1.32		
2,098	0.79		
2,193	0.88		
2,288	1.14		
2,382	1.23		
2,476	0.97		
2,570	1.14		
2,757	1.06		
2,850	0.88		
2,944	0.70		
3,039	0.62		
3,133	0.53		
3,228	0.97		
3,322	1.06		
3,385	1.41		
3,446	1.67		
3,509	1.06		
3,572	1.14		

BY: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on January 11, 2006, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

J Robertson
Notary Public for Midland County, Texas
My Commission Expires: 8/23/07



PathFinder Energy Services

Survey Report

Page 1
Job No: JWT-0510-0189 WTWT
Date: 1/10/2006
Time: 3:29 pm
Wellpath ID: 05100189
Date Created: 10/29/2005
Last Revision: 11/3/2005

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 0.00 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Yates Petroleum
LLama "A" LL FED. #5
Patterson #76
Eddy County N.M.
05100189

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER SURVEYS								
628.00	0.18	113.47	628.00	628.00	-0.39	0.95@	113.47	0.03
723.00	0.44	141.39	723.00	95.00	-0.74	1.47@	120.15	0.31
815.00	0.35	152.23	814.99	92.00	-1.26	2.05@	127.91	0.13
910.00	0.35	106.96	909.99	95.00	-1.60	2.55@	128.26	0.28
1003.00	0.53	112.94	1002.99	93.00	-1.85	3.25@	124.46	0.20
1099.00	0.62	110.83	1098.99	96.00	-2.21	4.22@	121.60	0.10
1193.00	0.79	113.82	1192.98	94.00	-2.65	5.37@	119.64	0.18
1287.00	0.97	112.50	1286.97	94.00	-3.22	6.80@	118.26	0.19
1349.00	1.06	112.68	1348.96	62.00	-3.64	7.90@	117.47	0.15
1443.00	1.14	111.53	1442.94	94.00	-4.32	9.65@	116.47	0.09
1537.00	1.14	116.72	1536.92	94.00	-5.08	11.56@	116.09	0.11
1632.00	1.49	119.44	1631.90	95.00	-6.12	13.74@	116.43	0.37
1725.00	1.14	117.42	1724.87	93.00	-7.14	15.87@	116.72	0.38
1818.00	1.41	110.33	1817.85	93.00	-7.96	17.93@	116.35	0.34
1911.00	0.97	89.21	1910.83	93.00	-8.35	19.78@	114.96	0.66
2004.00	1.32	91.49	2003.81	93.00	-8.36	21.48@	112.91	0.38
2098.00	0.79	95.10	2097.79	94.00	-8.45	23.12@	111.44	0.57
2193.00	0.88	92.02	2192.78	95.00	-8.53	24.44@	110.44	0.11
2288.00	1.14	87.01	2287.77	95.00	-8.51	26.00@	109.10	0.29
2382.00	1.23	79.01	2381.75	94.00	-8.27	27.76@	107.33	0.20
2476.00	0.97	69.26	2475.73	94.00	-7.79	29.29@	105.44	0.34
2570.00	1.14	63.02	2569.72	94.00	-7.09	30.64@	103.38	0.22
2665.00	0.97	65.48	2664.70	95.00	-6.33	32.01@	101.40	0.19
2757.00	1.06	58.45	2756.68	92.00	-5.56	33.28@	99.61	0.17
2850.00	0.88	39.38	2849.67	93.00	-4.56	34.30@	97.63	0.39
2944.00	0.70	349.19	2943.66	94.00	-3.43	34.52@	95.71	0.73
3039.00	0.62	17.49	3038.66	95.00	-2.37	34.48@	93.95	0.35
3133.00	0.53	66.01	3132.65	94.00	-1.71	34.99@	92.80	0.51
3228.00	0.97	75.59	3227.65	95.00	-1.33	36.15@	92.11	0.48
3322.00	1.06	49.48	3321.63	94.00	-0.57	37.56@	90.87	0.50

PathFinder Energy Services

Survey Report

Page 2
Date: 1/10/2006
Wellpath ID: 05100189

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
3385.00	1.41	55.37	3384.62	63.00	0.25	38.64@ 89.63	0.59
3446.00	1.67	65.13	3445.59	61.00	1.05	40.08@ 88.50	0.60
3509.00	1.06	62.93	3508.58	63.00	1.70	41.45@ 87.65	0.97
3572.00	1.14	68.29	3571.56	63.00	2.20	42.57@ 87.04	0.21
3635.00	1.14	84.11	3634.55	63.00	2.49	43.79@ 86.74	0.50
3698.00	1.14	85.34	3697.54	63.00	2.61	45.05@ 86.68	0.04
3761.00	1.06	101.25	3760.53	63.00	2.55	46.24@ 86.84	0.50
3822.00	1.06	76.55	3821.52	61.00	2.57	47.34@ 86.89	0.74
3884.00	0.97	79.72	3883.51	62.00	2.79	48.42@ 86.69	0.17