

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 Resvr.

Other: _____ **AMENDED TVD** ✓

5 Lease Serial No
NM-9402

6 If Indian, Allottee or Tribe Name
NA

2 Name of Operator
Yates Petroleum Corporation

7 Unit or CA Agreement Name and No
NA NM 123701

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

3a Phone No (include area code)
575-748-1471

8 Lease Name and Well No
Cottonwood KI Federal Com #4H

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface 760'FSL & 260'FEL (Unit P, SESE)

9 API Well No
30-015-36404

At top prod Interval reported below
BHL 800'FSL & 720'FWL (Unit M, SWSW)

10 Field and Pool or Exploratory
Cottonwood Creek, Wolfcamp

11 Sec., T, R, M, on Block and Survey or Area
Section 18-T16S-R25E

12 County or Parish 13 State
Eddy New Mexico

14 Date Spudded
RH 10/1/08 RT 10/4/08

15 Date T D Reached
10/25/08

16 Date Completed 3/15/09
 D & A Ready to Prod

17 Elevations (DF, RKB, RT, GL)*
3572'GL 3583'KB

18 Total Depth MD 8954'
TVD 4760'

19 Plug Back T D MD 8945'
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,
Borehole Compensated Sonic, CBL

22 Was Well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy) **(Attached)**

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 Skis & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
26"	20"	Cond.	0	80'		Redi-mix		0	
17-1/2"	13-3/8"	48#	0	410'		350sx Class C		0	
12-1/4"	8-5/8"	24#	0	1000'		100sx RFC 560sx Class C		0	
7-7/8"	5-1/2"	15.5#, 17#	0	8954'		560sx 50/50 600sx PVL			

Continued on next page #32

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"	4450'							

25 Producing Intervals

Formation	Top	Bottom
A) Wolfcamp	5124'	8889'
B)		
C)		

26 Perforation Record

Perforated Interval	No Holes	Perf Status
SEE ATTACHED SHEET		

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
8136'-8889'	Frac w/18,000g YF120 52,000g YF115 and 242,000g slickwater w/3000# 100 mesh, 80,000# 40/70 Jordan Unimin, 98,000# 20/40 Jordan Unimin, 2000g 15% HCL
7136'-7885'	Frac w/223,750g slickwater and x-linked gel, 153,000# 40/70, 20/40 sand, 2000g 15% NEFE
6128'-6882.5'	Frac w/209,550g slickwater and YF115, 80,000# 40/70, 70,000# 20/40, 2000g 15% HCL
5124'-5877'	Frac w/210,000g slickwater, 87,226# 40/70 and 78,295# 20/40, 2000g 15% HCL

ACCEPTED FOR RECORD

SEP 24 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
3/16/09	3/24/09	24	→	2	1782	81	NA	NA	Producing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64"	770 psi	840 psi	→	2	1782	81	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	
			→						

*(See instructions and spaces for additional data on page 2)

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
San Andres	560'	1847'		San Andres	560'
Glorieta	1848'	3125'		Glorieta	1848'
Tubb	3126'	3802'		Tubb	3126'
Abo	3803'	4759'		Abo	3803'
Wolfcamp	4760'	8954'		Wolfcamp (Leg 1)	4760'
				Wolfcamp	4778'
REFER TO LOGS					

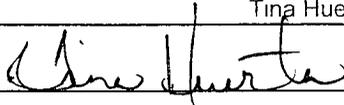
32 Additional remarks (include plugging procedure)

1st 4-1/2" liner - TOL 8918, BOL 8945'
 2nd 4-1/2" liner - TOL 7970', BOL 8050'
 3rd 4-1/2" liner - TOL 6985'-7065'
 4th 4-1/2" liner - TOL 5978', BOL 6058' NOTE: Liner depths are estimated based on tubing tally
 5th liner (casing patch) - TOL 1880', BOL 1992'

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)*

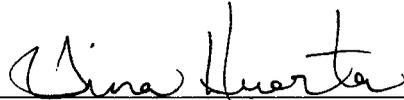
Name (please print) Tina Huerta Title Regulatory Compliance Supervisor
 Signature  Date September 12, 2011

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
Cottonwood KI Federal Com #4H
Section 18-T16S-R25E
Eddy County, New Mexico
Page 3

Form 3160-4 continued:

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
8136'			Producing
8387'			Producing
8638'			Producing
8889'		40 total	Producing
7136'			Producing
7383'			Producing
7634'			Producing
7885'		40 total	Producing
6128'-6129.5'			Producing
6379'-6380.5'			Producing
6630'-6631.5'			Producing
6881'-6882.5'		40 total	Producing
5124'			Producing
5375'			Producing
5626'			Producing
5877'		40 total	Producing



Regulatory Compliance Supervisor
September 12, 2011