

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

JUN - 2 2009



1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		15 Date T D Reached 3/8/09		16 Date Completed 4/17/09 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17 Elevations (DF,RKB,RT,GL)* 3058'GL 3074'KB			
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr		18 Total Depth MD 12,230' TVD NA		19 Plug Back T.D. MD 12,164' TVD NA		20 Depth Bridge Plug Set MD NA TVD NA			
2. Name of Operator Yates Petroleum Corporation		3a Phone No (include area code) 575-748-1471		8 Lease Name and Well No Knoll AOK Federal #3H		9. API Well No. 30-015-35907			
3 Address 105 S. 4th Str., Artesia, NM 88210		4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 2310'FNL & 480'FEL (Unit H, SENE)		10 Field and Pool or Exploratory Cedar Canyon; Bone Spring		11 Sec., T.,R.,M., on Block and Survey or Area Section 3-T24S-R29E			
At top prod Interval reported below		BHL 2223'FNL & 4929'FEL (Unit E, SWNW)		12 County or Parish Eddy		13 State New Mexico			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, Hi-Res Laterolog Array, CBL		22 Was Well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)		Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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
14-3/4"	11-3/4"	42#	0	700'		6sx Redi-mix		0	
11"	8-5/8"	24#,32#	0	3130'		400sx "C"		0	
						900sx "C"		0	
7-7/8"	5-1/2"	17#	0	12,188'		750sx PVL 820sx Litecrete 200sx "H"		0	
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"	7376'	7370'							
25 Producing Intervals					26 Perforation Record				
Formation		Top		Bottom		Perforated Interval		Size No Holes Perf. Status	
A) Bone Spring		8355'		12,117'					
B)									
C)									
D)									
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
4/18/09	5/3/09	24	→	460	1029	159	NA	NA	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
17/65"	1300 psi	Packer	→	460	1029	159	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, 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	328'	707'		Rustler	328'
TOS	708'	2919'		TOS	708'
BOS	2920'	3183'		BOS	2920'
Bell Canyon	3184'	4069'		Bell Canyon	3184'
Cherry Canyon	4070'	5258'		Cherry Canyon	4070'
Brushy Canyon	5259'	6873'		Brushy Canyon	5259'
Bone Spring	6874'	12,230'		Bone Spring	6874'
REFER TO LOGS					


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 May 22, 2009

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
Knoll AOK Federal #3H
Section 3-T24S-R29E
Eddy County, New Mexico
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Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf Status
12,117'		12	Producing
11,919'		12	Producing
11,721'		12	Producing
11,523'		12	Producing
11,325'		12	Producing
11,127'		12	Producing
10,929'		12	Producing
10,731'		12	Producing
10,533'		12	Producing
10,335'		12	Producing

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf Status
10,137'		12	Producing
9939'		12	Producing
9741'		12	Producing
9543'		12	Producing
9345'		12	Producing
9147'		12	Producing
8949'		12	Producing
8751'		12	Producing
8553'		12	Producing
8355'		12	Producing

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

Depth Interval	Amount and Type of Material
12,130'	1200g 15% HCL acid
9272'-12,130'	Spotted 2500g 15% IC HCL double inhibitor acid
11,523'-12,117'	Spearhead 2500g 7-1/2% HCL acid ahead of frac, Frac w/25# borate XL, 3220 bbls fluid, 201,000# 20/40 Jordan and RCS
11,330'	Spotted 2500g 7-1/2% HCL acid
10,731'-11,325'	Frac w/25# borate XL, 3219 bbls fluid, 201,700# 20/40 Jordan and RCS
10,540'	Spotted 2500g 7-1/2% HCL acid
9939'-10,533'	Spearhead 4000g 7-1/2% HCL acid ahead of frac, Frac w/25# borate XL, 3186 bbls fluid, 201,200# 20/40 Jordan and RCS
9760'	Spotted 2500g 7-1/2% HCL acid
9147'-9741'	Spearhead 4000g 7-1/2% HCL ahead of frac, Frac w/25# borate XL, 3141 bbls fluid, 200,000# 20/40 Jordan and RCS
8960'	Spotted 1500g 7-1/2% HCL acid
8355'-8949'	Frac w/25# borate XL, 3416 bbls fluid, 200,000# 20/40 Jordan and RCS


Regulatory Compliance Supervisor
May 22, 2009