

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NM 103591

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Probity Operating, LLC

3a. Address  
110 W. Louisiana, Suite 325  
Midland, TX 79701

3b. Phone No. (include area code)  
432-570-1122

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
898' FSL and 195' FEL  
Section 5 T19S, R24E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Deliah No. 1 (Green Wooley Booger Fed. 5 No. 2)

9. API Well No.  
30-015-37344

10. Field and Pool or Exploratory Area  
Hoag Tank (Morrow)

11. Country or Parish, State  
Eddy County, NM.

**RECEIVED**  
**DEC - 7 2009**  
**NM OCD ARTESIA**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other casing addition to cure lost circulation
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

It is requested that approval be granted to add a 13 3/8", New, 54.5#, J-55, ST&C casing string run to 360' and cemented to surface to isolate lost circulation which was encountered while drilling the 12 1/4" hole at approximately 150'-300'. The 12 1/4" hole will be reamed to 17" to run the 13 3/8" casing.

No changes to the BLM approved 8 5/8" surface casing or the 5 1/2" production casing are anticipated. That is, the 13 3/8" will be drilled out with a 12 1/4" inch bit to 1400' and 8 5/8" casing will be run to 1400' and cemented to surface as originally planned. The 8 5/8" casing will be drilled out with a 7 7/8" bit to TD as originally planned and 5 1/2" casing will be run to TD and cemented to surface as originally planned. All the cement and design factors for the 8 5/8" and 5 1/2" casings remain the same.

**Additional Casing Design:**

Casing Size	Depth Interval	Casing Weight	Grade	Joint	Collapse Factor	Tensile Yield Factor	Burst Factor
13 3/8"	0-360'	48 lb/ft.	H-40	ST&C	4.02	16.77	5.62 (calculated using 14.8 cmt)

Circulate cement to surface with 300% excess.

1st stage - 200 sacks Class "C", 4% gel, 2% CaCl, 1/4% R-38 (defoamer),

13.6 ppg, 1.71 cu ft/sk, 9.36 gal water/sk to mix.

2nd stage - 200 sacks Class "C", 3% salt, 7% C-43 (gypsum to make thickstropic), 1/4% R-38,

14.2 ppg, 1.46 cu.ft/sk, 7.3 gal water/sk to mix.

3rd stage - 100 sacks Class "C", 2% CaCl, 1/4% R-38,

14.8 ppg, 1.32 cu.ft./sk, 6.3 gal water/sk to mix.

Probity Operating, LLC OGRID No. 269709

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Rached Hindi

Title Vice President - Operations Manager

Signature

*Rached Hindi*

Date 11/23/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**APPROVED**

**NOV 24 2009**

**WESLEY W. INGRAM**

**PETROLEUM ENGINEER**

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.

(Instructions on page 2)