

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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.
NMNM111530
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

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

2. Name of Operator
CHEVRON U.S.A. INC.

8. Well Name and No.
HAYHURST 18 FEDERAL #1H

3a. Address
15 SMITH ROAD
MIDLAND, TEXAS 79705

3b. Phone No. (include area code)
432-687-7375

9. API Well No.
30-015-41848

10. Field and Pool or Exploratory Area
COTTONWOOD DRAW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 18, T25S, R27E, NENE 340 FNL & 1040 FEL

11. County or Parish, State
EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Other _____
	<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 recomplete 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 recompletion 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.)

CHEVRON U.S.A. INC. RESPECTFULLY REQUESTS THE APPROVAL TO DRILL A PILOT HOLE SECTION FOR FORMATION EVALUATION.

PLEASE FIND ATTACHED, THE CHANGES BEING MADE TO THE ORIGINAL APD.

ANY QUESTIONS SHOULD BE DIRECTED TO MATTHEW KUBACHKA, DRILLING ENGR, CHEVRON @ 713-372-5721

Accepted for record
NMOCD JES
1-27-2014

RECEIVED
JAN 27 2014
NMOCD ARTESIA

Note plug top on Subsequent report

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
DENISE PINKERTON

Title REGULATORY SPECIALIST

Signature

Denise Pinkerton

Date 01/13/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Date

APPROVED

JAN 22 2014

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

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.

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.

**Delaware Basin
Changes to APD for Federal Well**



Well Name: **Hayhurst 18 Federal 1H**

API Well No.: **30-015-41848**

Rig: **Ensign 767**

CVX CONTACT:

MATT KUBACHKA
DRILLING ENGINEER
1400 SMITH ST.

HOUSTON, TX 77002

DESK: HOU140/43-130

CELL: 432-438-2482

EMAIL: MATT.KUBACHKA@CHEVRON.COM

Summary of Changes to APD Submission

1. Surface Casing Cement Job (page 32 of APD)
2. Add pilot hole section with logs (page 31-33 of APD)
3. Pilot Hole Cement Job (page 32 of APD)

(1) Surface Casing Cement Job

Summary: Surface casing will be cemented with different slurry type and density than indicated in the APD. The new job design is due to the amended surface casing depth from 650' to 400' per approved APD.

As Defined in APD:	As Planned on Well:
<u>Lead Slurry:</u> Density: 13.5 ppg Yield: 1.75 ft ³ /sx Sacks: 339 sx Barrels: 105.6 bbl Excess: 100% Coverage: 425 ft MD to Surface	<u>Lead Slurry:</u> Density: 14.8 ppg Yield: 1.36 ft ³ /sx Sacks: 450 sx Barrels: 109 bbl Excess: 125% Coverage: 400 ft MD to Surface
<u>Tail Slurry:</u> Density: 14.8 ppg Yield: 1.36 ft ³ /sx Sacks: 230 sx Barrels: 55.7 bbl Excess: 100% Coverage: 650 to 425 ft MD	

(2) 8 3/4" Pilot Hole Section

Summary: Plan to drill pilot hole to a depth of 7,500' to evaluate Second Bone Spring formation with wireline logs. Pilot hole will be plugged back with cement through whipstock.

As Defined in APD:	As Planned on Well:
No pilot hole section	Drill 8 3/4" pilot hole section to depth of 7,500 ft MD. Followed by cement plug back with whipstock to 6,800' MD. Expected MW at total depth is 9.3 ppg with cut brine. Also, will be logging interval with Quad combo and OH GR-Neutron.

(3) Pilot Hole Cement Job

Summary: Once wireline logs are run through interval the hole will be plugged back using tubing run on a cement through whipstock for kicking off at 6,880' MD

As Defined in APD:	As Planned for Well:
<u>Cement Plug Slurry:</u> Not planned	<u>Cement Plug Slurry:</u> Density: 17.2 ppg Yield: .97 ft3/sx Sacks: 330 sx Barrels: 57 bbl Excess: 35% Coverage: 7500' MD to 6,880' MD