

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010**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.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC065680
2. Name of Operator DEVON ENERGY PRODUCTION CO LP		6. If Indian, Allottee or Tribe Name
Contact: MELANIE A CRAWFORD Email: MELANIE.CRAWFORD@DVN.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-4524	8. Well Name and No. SERENE SISTERS 25 FEDERAL 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T18S R31E SESW Lot N 200FSL 1750FWL		9. API Well No. 30-015-38312-00-X1
		10. Field and Pool, or Exploratory HACKBERRY
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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 checked="" 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 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Co LP respectfully request to change the casing program and cementing program (see attached).

Thank you

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record - NMOCD
DJ 9-29-11

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #117946 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 09/20/2011 (11KMS2565SE)	
Name (Printed/Typed) MELANIE A CRAWFORD	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/20/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 09/20/2011
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 Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

SERENE SISTERS 25 FED 4H – DRILLING SUNDRY
MHC 9.19.11

Casing Program

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
12-1/4"	930 – 4,100	9-5/8"	0 – 4,100	40#	LTC	J-55

Design Factors

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
9-5/8" 40# J-55 LTC	1.21	1.85	4.23

Cementing Program (based on at least 25% excess)

9-5/8" Intermediate

1st Stage

Lead 1,200 sacks (35 65) Poz (Fly Ash) Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107 8% Fresh Water, 12 5 ppg

Yield 2 05 cf/sk

Tail 500 sacks (60:40) Poz (Fly Ash) Class C Cement + 5% bwow Sodium Chloride + 0 125 lbs/sack Cello Flake + 0 2% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 0 5% bwoc BA-10A + 65 2% Fresh Water, 13.8 ppg

Yield 1 38 cf/sk

DV Tool and ECP at 900 ft *see COA*

2nd Stage

400 sacks Class C Cement + 2% bwoc Calcium Chloride + 0 5% bwoc BA-10A + 56 1% Fresh Water, 14 8 ppg

Yield: 1 35 cf/sk

TOC @ surface

NOTE. Stage 2 will only be pumped if cement is not circulated to surface on stage 1

Actual cement volumes will be adjusted based on fluid caliper for the intermediate hole.

Planned TOC for 5-1/2" production casing will be 3,600 ft (500 ft tieback) Actual cement volumes for the production casing will be based on fluid caliper for the production hole

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Prod Co
LEASE NO.:	LC065680
WELL NAME & NO.:	4H Serene Sisters 25 Federal
SURFACE HOLE FOOTAGE:	200' FSL & 1750' FWL
BOTTOM HOLE FOOTAGE	400' FNL & 990' FWL
LOCATION:	Section 25, T. 18 S., R 31 E., NMPM
COUNTY:	Eddy County, New Mexico

1. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

DV tool/ECP shall be set a minimum of 50' below surface casing shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.

CRW 092011