

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD ArtesiaFORM 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.*5. Lease Serial No.
NMLC063622

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
VEGA 29 FEDERAL 2H2. Name of Operator
DEVON ENERGY PRODUCTION CO
Contact: DAVID H COOK
Email: david.cook@dvn.com9. API Well No.
30-015-39864-00-X13a. Address
20 NORTH BROADWAY SUITE 1500
OKLAHOMA CITY, OK 731023b. Phone No. (include area code)
Ph: 405-552-784810. Field and Pool, or Exploratory
HACKBERRY

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T19S R31E NWNE 137FNL 2310FEL

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 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 recompletion 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 respectfully requests approval to modify the cementing program from a 2 stage to a single stage cement job.

The lead is comprised of 2 parts:

1st lead (Slurry NO.1) 11.8ppg and the 2nd lead (Slurry NO. 2) 12.5ppg.

Tail cement (Slurry NO.3) is 14.2ppg.

Top of cement remains the same 2,400-ft, 50-ft above the Capitan.

See attached table regarding cement properties.

RECEIVED

APR 09 2012

Accepted for record

NMOCD

NMOCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #134800 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 04/05/2012 (12KMS1515SE)

Name (Printed/Typed) DAVID H COOK

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 04/05/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TED MORGAN

Title PETROLEUM ENGINEER

Date 04/05/2012

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 **

Additional data for EC transaction #134800 that would not fit on the form

32. Additional remarks, continued

Respectfully request immediate approval due to anticipated cement job scheduled on 4/7/12.

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2	SLURRY NO.3
Slurry Weight (ppg)	11.80	12.50	14.20
Slurry Yield (cf/sack)	2.30	2.01	1.28
Amount of Mix Water (gps)	13.19	10.99	5.76
Estimated Pumping Time - 70 BC (HH:MM)	5:00	5:00	4:30
Free Water (mls) @ ° F @ 90 ° Angle			0.0
Fluid Loss (cc/30min) at 1000 psi and ° F			50.0

COMPRESSIVE STRENGTH

12 hrs @ 130 ° F (psi)	150		
24 hrs @ 130 ° F (psi)	250		
72 hrs @ 130 ° F (psi)	350		
12 hrs @ 140 ° F (psi)		175	
24 hrs @ 140 ° F (psi)		250	
72 hrs @ 140 ° F (psi)		700	
12 hrs @ 150 ° F (psi)			250
24 hrs @ 150 ° F (psi)			1500
72 hrs @ 150 ° F (psi)			2000

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
1st Lead Slurry	989	/ 2.3	= 430 sacks (50:50) Poz (Fly Ash):Class H Cement + 0.5% bwoc FL-52 + 0.6% bwoc ASA-301 + 10% bwoc Bentonite + 131% Fresh Water
Lead Slurry	1566	/ 2.01	= 780 sacks (35:65) Poz (Fly Ash):Class H Cement + 0.3% bwoc R-3 + 3% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 6% bwoc Bentonite + 105.3% Fresh Water
	<u>2555</u>	<u>2.12</u>	
Tail Slurry	1691	/ 1.28	= 1325 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% bwoc FL-52 + 0.4% bwoc Sodium Metasilicate + 57.2% Fresh Water

Vega 29 Federal 2H
Devon Energy Production Company, LP
30-015-39864
05 April 2012
Conditions of Approval

Summary of Current Status:

Devon has submitted this sundry to revise the 2 stage cement job design in the original APD.

Requests:

1. 5-1/2" Production Casing in 8-3/4" hole: to now be single stage job utilizing 3 slurries with 11.8 ppg, 12.5 ppg and 14.2 ppg density.

Conditions of Approval:

1. This sundry for single stage cement design is approved as an option for primary cementing of the 5-1/2" production casing, should full returns be maintained to TD of the 8-3/4" hole.
2. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - ☒ Cement should tie-back to 2400 feet or higher. Operator shall provide method of verification.

TMM 4/05/2012