

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.**5. Lease Serial No.
NMNM98186
6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
HADAR 10 FED COM 1H2. Name of Operator
DEVON ENERGY PRODUCTION CO LP
Contact: LINDA GOOD
Email: linda.good@devn.com9. API Well No.
30-015-41949-00-X13a. Address
333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 731023b. Phone No. (include area code)
Ph: 405.552.655810. Field and Pool, or Exploratory
LUSK

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

Sec 11 T19S R31E NWNW 0225FNL 0050FWL
32.681616 N Lat, 103.848493 W Lon11. 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 APD
	<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 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 Energy Production Company, L.P. respectfully requests to remove Pilot Hole that was on approved APD.

Devon Energy respectfully requests to change the intermediate casing setting depth for the subject well. Devon will run 9-5/8", 40 ppf, HCK-55, BTC to 4,600 ft MD instead of the approved APD depth of 4,200 ft MD to set in a competent formation.

Devon also requests to run a tapered production string of 7" x 5.5" casing with the 7" down to TVD of 8,429 ft MD. Casing design requirements are attached as well as the new cement design for the deeper intermediate and for the production tapered string.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 08 2014

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVALAccepted for record
NMOCD TC 8-9-14

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #258423 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by WESLEY INGRAM on 08/28/2014 (14WWI0317SE)	
Name (Printed/Typed) LINDA GOOD	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 08/27/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>WESLEY INGRAM</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>08/29/2014</u>
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 ****

Hadar 10 Fed Com 1H – Revised Drilling Plan

Change Intermediate Casing Depth & Production Combination String

Casing Changes:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
12-1/4"	800-4600'	9-5/8"	0-4600'	40	BTC	HCK-55	1.59	1.65	3.42
8-3/4"	4600-8429'	7"	0-8429'	29	BTC	P-110	2.16	2.85	3.91
8-3/4"	8429-13736'	5-1/2"	0-13736'	17	BTC	P-110	1.77	2.51	6.28

8429'

Casing Notes:

- All casing is new and API approved
- Pilot Hole is in approved APD, but will not be drilled

Maximum Lateral TVD: 9043'

Cementing Table: Intermediate hole depth changed to 4600'. Casing changed to a 7" x 5-1-2" combination production casing.

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
9-5/8" Intermediate Single Stage	1122	12.8	8.2	1.65	Lead	(60:40) Poz (Fly Ash):Premium Plus C Cement + 5% bwow Sodium Chloride + 0.1% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1% bwoc Sodium Metasilicate + 83.4% Fresh Water
	400	13.8	6.42	1.38	Tail	(60:40) Poz (Fly Ash):Premium Plus C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.3% Fresh Water
9-5/8" Intermediate 2-Stage Option	345	12.8	8.20	1.65	1 st Lead	(60:40) Poz (Fly Ash):Premium Plus C Cement + 5% bwow Sodium Chloride + 0.1% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1% bwoc Sodium Metasilicate + 83.4% Fresh Water
	400	13.8	6.41	1.38	1 st Tail	(60:40) Poz (Fly Ash):Premium Plus C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.2% Fresh Water
	DVT @ 2600'					
	655	12.8	8.2	1.65	2 nd Lead	(60:40) Poz (Fly Ash):Premium Plus C Cement + 0.1% bwoc R-3 + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1% bwoc Sodium Metasilicate + 83.4% Fresh Water
	150	13.8	6.45	1.38	2 nd Tail	(60:40) Poz (Fly Ash):Premium Plus C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.2% Fresh Water
7" x 5-1/2" Production Casing Single Stage	240	11.8	13.16	2.30	1 st Lead	(50:50) Poz (Fly Ash):Premium Plus H Cement + 0.5% bwoc FL-52 + 0.3% bwoc ASA-301 + 10% bwoc Bentonite + 0.35% bwoc R-21 + 130.7% Fresh Water
	190	12.5	11.01	2.01	2 nd Lead	(35:65) Poz (Fly Ash):Premium Plus H Cement + 3% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 0.3% bwoc ASA-301 + 6% bwoc Bentonite + 105.5% Fresh Water
	1375	14.2	5.77	1.28	Tail	(50:50) Poz (Fly Ash):Premium Plus H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.4% bwoc FL-52 + 0.5% bwoc Sodium Metasilicate + 57.3% Fresh Water

TOC for all Strings:

Surface @ 0'
Intermediate @ 0'
Production @ 2781' (Cement top will tie-back 50' above Capitan at 2831')

Notes:

- Cement volumes Intermediate 50%, Production based on at least 25% excess
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data
- If lost circulation is encountered while drilling the the intermediate wellbores, a DV tool will be installed a minimum of 50' below the previous casing shoe and of 200' above the current shoe. If the DV tool has to be moved, the cement volumes will be adjusted proportionately.

**Hadar 10 Fed Com 1H
30-015-41949
Devon Energy Production Company, LP
August 29, 2014
Conditions of Approval**

Note: Casing interval for the 5.5" casing has been changed to 8429' – 13736'.

- 1. Approved to eliminate pilot hole.**
- 2. After review by BLM and Devon geologists, 4600' depth is approved for the 9-5/8" intermediate casing.**
- 3. Additional cement will probably be required on the combination string as the excess cement percentage calculated to less than 10%.**

WWI 082914