OCD-ARTESIA

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APROVED
OMB NO. 1004-0135
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

SUBMIT IN TRIPLICATE

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. **NMNM-89057**
	6. If Indian, Allottee or Tribe Name
	7. Unit or CA Agreement Name and No.
	8 Well Name and No. **Snapping 11 Federal 1H**
2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY, LP**	9. API Well No. 30-015-38193
3. Address and Telephone No. 20 N. Broadway, Oklahoma City, Ok 73102-8260 405-235-3611	10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 430' FSL 1650' FWL N SEC 11 T26S R31E BHL: 330' FNL & 1650' FWL PP: 330' FNL & 1980' FEL	11. County or Parish **Eddy** State **NM**

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

TYPE OS SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Revise Csg Program
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepen directionally or recomplete horizontally, give subsurface location 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

Devon Energy Production Company L. P. *respectfully requests to revise the casing program as follows:*

Casing Program

Hole Size	*Hole Interval*	*OD Csg*	*Csg Interval*	*Weight*	*Collar*	*Grade*
8 3/4"	*4125-7800'*	*5 1/2"*	*0 - 7800'*	*17#*	*LTC*	*HCP-110*
8 3/4"	*7800-12,798'*	*5 1/2"*	*7800-12,798'*	*17#*	*BTC*	*HCP-110*

Design Factors:

Casing Size	*Collapse Design Factor*	*Burst Design Factor*	*Tension Design Factor*
5 1/2" 17# HCP-110 LTC	*2.13*	*3.03*	*2.05*
5 1/2" 17# hcp-110 BTC	*1.88*	*2.67*	*6.06*

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

Signed Judy A. Barnett Name **Judy A. Barnett X8699** Title Regulatory Analyst Date 9/21/2010

(This space for Federal or State Office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

~~Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations to any matter~~ within its jurisdiction.

***See Instruction on Reverse Side**

RECEIVED
OCT 12 2010
NMOCD ARTESIA

APPROVED
OCT 8 2010
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Accepted for record - NMOCD
10-14-10

Copy

13 3/8 surface csg in a 17 1/2 inch hole. **Design Factors** **SURFACE**

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	48.00	H 40	ST&C	7.67	1.88	0.81	875	42,000
"B"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: 829			Tail Cmt	does not	circ to sfc.	Totals:	875	42,000

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	**915**	1501	**656**	129	**9.00**	1235	**2M**	1.56

9 5/8 casing inside the 13 3/8 casing. **Design Factors** **INTERMEDIATE**

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	36.00	J 55	ST&C	2.58	1.30	0.76	3,000	108,000
"B"	**40.00**	**N 80**	**LT&C**	**16.38**	**1.44**	**1.24**	**1,125**	**45,000**
"C"							**0**	**0**
"D"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,155						Totals:	4,125	153,000

The cement volume(s) proposed may achieve a top 0 feet from surface.

Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess %.Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.3132	**1415**	2686	**1366**	97	**10.00**	2451	**3M**	0.81

5 1/2 casing inside the 9 5/8 **Design Factors** **PRODUCTION**

Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	17.00	HCP 110	LT&C	2.42	1.72	1.67	7,800	132,600
"B"	**17.00**	**HCP 110**	**BUTT**	**3.10**	**1.42**	**1.67**	**4,989**	**84,813**
"C"							0	0
"D"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,716						Totals:	12,789	217,413

B Segment Design Factors would be: 39.16 1.59 if it were a vertical wellbore.

The cement volume(s) proposed may achieve a top 3625 feet from surface.

Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess DVT Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
8 3/4	0.2526	**2385**	4041	**2328**	O K	**9.00**			1.35

Sundry to run 17# HCP-110 instead of 17# N-80 casing.