Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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

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FORM APROVED
OMB NO. 1004-0135
EXPIRES: March 31, 2007

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. **NM-68084**
2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY, LP**	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No 20 North Broadway, Oklahoma City, OK 73102-8260 405-552-8198	7. Unit or CA Agreement Name and No
4 Location of Well (Report location clearly and in accordance with Federal requirements)* 2150' FNL & 1980' FWL Unit F Sec 7 T24S R32E	8 Well Name and No. **Mesa Verde 7 Federal 4**
	9. API Well No. **30-025-39586**
	10. Field and Pool, or Exploratory **Mesa Verde Bone Spring**
	11. County or Parish **Lea** 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
	☑ 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, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon Energy Production Company, LP respectfully requests approval of the following production casing change.

New Production Casing:

Hole Size	Hole Interval	OD Casing	Casing Interval	Weight	Collar	Grade
7 7/8"	4,500'-8700'	5 1/2"	0' - 8700'	17#	LT&C	J-55

New Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
5 1/2", 17#, J-55 LT&C	1 21	1.31	1.67

14 I hereby certify that the foregoing is true and correct

Signed _____ Name **Norvella Adams** Title Sr. Staff Engineering Technician Date 2/22/2010

(This space for Federal or State Office use)

Approved by _____ Title PETROLEUM ENGINEER Date MAR 08 2010

Conditions of approval, if any:

APPROVED
/s/ Roger Hall
MAR 1 1 2010
Petroleum Engineer
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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**

11 3/4 surface csg in a 14 3/4 inch hole.

Segment	#/ft	Grade	Coupling	Joint	Design Factors Collapse	Burst	SURFACE Length	Weight
"A"	42.00	H 40	ST&C	8.12	2.37	0.94	900	37,800
"B"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: 993			Tail Cmt	does	circ to sfc.	Totals:	900	37,800

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
14 3/4	0.4336	**585**	964	**449**	114	**9.40**	1114	**2M**	1.00

Frac gradient is 2.68-safety factor for burst is ok.

8 5/8 casing inside the 11 3/4 casing.

Segment	#/ft	Grade	Coupling	Joint	Design Factors Collapse	Burst	INTERMEDIATE Length	Weight
"A"	24.00	J 55	ST&C	1.91	1.47	0.73	2,000	48,000
"B"	**32.00**	**J 55**	**LT&C**	**5.21**	**1.20**	**0.97**	**2,500**	**80,000**
"C"							**0**	**0**
"D"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: 787						Totals:	4,500	128,000

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
11	0.2542	**1255**	2353	**1168**	101	**9.00**	2154	**3M**	0.69

Frac gradient is 1.48 for segment A-safety factor for burst is ok. Frac gradient is 0.87 for segment B-safety factor for burst is ok.

5 1/2 casing inside the 8 5/8

Segment	#/ft	Grade	Coupling	Joint	Design Factors Collapse	Burst	PRODUCTION Length	Weight
"A"	17.00	J 55	LT&C	1.67	1.21	1.31	8,700	147,900
"B"							**0**	**0**
"C"							0	0
"D"							**0**	**0**
w/8.4#/g mud, 30min Sfc Csg Test psig: -72						Totals:	8,700	147,900

The cement volume(s) proposed may achieve a top 4000 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
7 7/8	0.1733	**960**	1609	**825**	O K	**9.00**			0.91

DV Tool at 6950. Excess cement; stage 1 is 122%, stage 2 is 119%. Sundry to change well depth from 9900 to 8700 ft. Will be all 5-1/2" 17# J-55 LT&C instead of 5-1/2" 17# N-80 LT&C. Cement volumes remain the same.