Form 3160-5
(February 2005)

UNITED STATES **OCD-ARTESIA**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
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.

5 Lease Serial No. NMNM-100551

6 If Indian, Allottee or Tribe Name

RECEIVED
MAY 07 2010
NMOCD ARTESIA

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No
Strawberry 7 Federal 5H

2. Name of Operator
Devon Energy Production Co., LP

9 API Well No
30-015-37257

3a. Address
20 North Broadway
OKC, OK 73102

3b Phone No *(include area code)*
(405)-552-7802

10 Field and Pool or Exploratory Area
Hackberry, Bone Springs, North

4 Location of Well *(Footage, Sec , T.,R.,M , or Survey Description)*
Sec 7-T19S-R31E
SL 2160' FNL & 340' FEL BHL 2310' FNL & 340' FWL

11. Country or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Change Drilling Program - Run 7" Casing
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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, LP respectfully requests permission to change our plans and 7" as follows:

(see attached)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14 I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Stephanie A Ysasaga

Title Sr. Staff Engineering Technician

Signature

Date 04/22/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
APR 23 2010
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved by

Title

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

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

(Instructions on page 2)

5-10-10

devon

Devon Energy Corporation
20 North Broadway
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

April 22, 2010

United States
Department of The Interior
Carlsbad, New Mexico
Re: Strawberry 7 Fed #5H
Sec 7-T19S-R31E
Lea County, New Mexico
API # 30-015-37257

Devon Energy would like to make the following changes to the approved drilling design for the above referred well.

1. Run 7" 26# HCP-110 BTC casing to ~9,200' and cement to surface.
   Safety factors to the casing are: Collapse 1.72 Burst 2.64 Tensile 3.55

2. The cement job will be 3 stages as follow: 1st stage Lead: 295 sks 35:65 Poz class H yield 2.00 cuft/sk, Tail: 215 sks 50:50 Poz Class H yield 1.31 cuft/sk. DV TOOL @ 5,500'. 2nd stage Lead: 145 sks Class C yield 2.89 cuft/sk, Tail: 150 sks 60:40 Pox Class C yield 1.35 cuft/sk. DV TOOL @ 3,050'. 3rd stage Lead: 240 sks Class C 2.91 cuft/sk, Tail: 100 sks 1.34 cuft/sk.

3. The production liner design is not complete and will be forwarded 4-26-10.

See COA

Devon Energy reserves the right to change the drilling procedures as the well is being drilled and will inform the Carlsbad New Mexico BLM office within 24 hours of any changes which may occur.

Regards
Pat Brown
Drilling Engineer
Devon Energy
Western Region USA
Office: 405-228-8511

Proposal No: 215855879D

Devon Energy Corp
Strawberry 7 Fed #5H

API # 30-015-37257-0000

Sec. 7-19S-31E
Eddy County, New Mexico
April 22, 2010

Cement Recommendation

Prepared for:
Pat Brown
Drilling Engineer
Oklahoma City, Oklahoma
Bus Phone: (405) 228-8511

Prepared by:
John Parks
Region Technical Rep.
Oklahoma City, Oklahoma
Bus Phone: (405) 228-4302

THE BLUE WELLBORE℠
Makes better wells

Service Point:
Artesia
Bus Phone: (505) 746-3140
Fax: (505) 746-2293

Service Representatives:
Larry Johnson
Senior Sales Rep
Artesia, New Mexico

Operator Name: Devon Energy Corp
Well Name: Strawberry 7 Fed #5H
Job Description: 2nd Intermediate - 3 Stage
Date: April 22, 2010

Proposal No: 215855879D

JOB AT A GLANCE

Depth (TVD)	8,755 ft
Depth (MD)	9,300 ft
Hole Size	8.75 in
Casing Size/Weight :	7in, 26 lbs/ft
Pump Via	7" O.D. (6.276" .I.D) 26 #
Total Mix Water Required	12,954 gals

Stage No: 1 **Float Collar set @** 9,260 ft

Spacer	
Fresh Water	10 bbls
Density	8.3 ppg
Spacer	
Mud Clean II	1,500 gals
Density	8.5 ppg
Spacer	
Fresh Water	10 bbls
Density	8.3 ppg
Lead Slurry	
35:65:6 Poz:Class H	295 sacks
Density	12.5 ppg
Yield	2.00 cf/sack
Tail Slurry	
50:50 Poz:Class H	215 sacks
Density	14.2 ppg
Yield	1.31 cf/sack
Displacement	
Displacement Fluid	354 bbls

JOB AT A GLANCE (Continued)

Stage No: 2	**Stage Collar set @**	5,500 ft
Spacer		
Fresh Water		20 bbls
Density		8.3 ppg
Lead Slurry		
Class C + Additives		145 sacks
Density		11.4 ppg
Yield		2.89 cf/sack
Tail Slurry		
60:40 Poz:Class C (MPA)		150 sacks
Density		13.8 ppg
Yield		1.35 cf/sack
Displacement		
Displacement Fluid		210 bbls

Stage No: 3	**Stage Collar set @**	3,050 ft
Spacer		
Fresh Water		20 bbls
Density		8.3 ppg
Lead Slurry		
Class C + Additives		240 sacks
Density		11.4 ppg
Yield		2.91 cf/sack
Tail Slurry		
Class C		100 sacks
Density		14.8 ppg
Yield		1.34 cf/sack
Displacement		
Displacement Fluid		117 bbls

Operator Name: Devon Energy Corp
Well Name: Strawberry 7 Fed #5H
Job Description: 2nd Intermediate - 3 Stage
Date: April 22, 2010

Proposal No: 215855879D

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.921 CASING	2,200	2,200
8.750 HOLE	9,300	8,755

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
7.000	6.276	26	9,300	8,755

STAGE: 1

Float Collar set @	9,260 ft
Mud Density	9.50 ppg
Est. Static Temp.	150 ° F
Est. Circ. Temp.	130 ° F

VOLUME CALCULATIONS

2,600 ft	x	0.1503 cf/ft	with	51 % excess	=	591.2 cf
1,200 ft	x	0.1503 cf/ft	with	50 % excess	=	270.6 cf
40 ft	x	0.2148 cf/ft	with	0 % excess	=	8.6 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	870.4 cf
					=	155 bbls

STAGE: 2

Stage Collar set @	5,500 ft
Mud Density	9.50 ppg
Est. Static Temp.	124 ° F
Est. Circ. Temp.	108 ° F

VOLUME CALCULATIONS

1,650 ft	x	0.1503 cf/ft	with	69 % excess	=	418.6 cf
800 ft	x	0.1503 cf/ft	with	68 % excess	=	202.1 cf
				TOTAL SLURRY VOLUME	=	620.7 cf
					=	111 bbls

WELL DATA (Continued)

STAGE: 3	**Stage Collar set @**	3,050 ft
	Mud Density	9.50 ppg
	Est. Static Temp.	104 ° F
	Est. Circ. Temp.	94 ° F

VOLUME CALCULATIONS

2,200 ft	x	0.1668 cf/ft	with	0 % excess	=	367.0 cf
484 ft	x	0.1503 cf/ft	with	355 % excess	=	330.8 cf
366 ft	x	0.1503 cf/ft	with	143 % excess	=	133.5 cf
				TOTAL SLURRY VOLUME	=	831.3 cf
					=	148 bbls

Operator Name: Devon Energy Corp
Well Name: Strawberry 7 Fed #5H
Job Description: 2nd Intermediate - 3 Stage
Date: April 22, 2010

Proposal No: 215855879D

FLUID SPECIFICATIONS

STAGE NO.: 1

Spacer	10.0 bbls Fresh Water @ 8.34 ppg
Spacer	1,500.0 gals Mud Clean II @ 8.45 ppg
Spacer	10.0 bbls Fresh Water @ 8.34 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	591	/ 2	= 295 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0.7% bwoc FL-52A + 105.4% Fresh Water
Tail Slurry	279	/ 1.31	= 215 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.65% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 58.4% Fresh Water
Displacement			354.3 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	12.50	14.20
Slurry Yield (cf/sack)	2.00	1.31
Amount of Mix Water (gps)	10.99	5.88
Estimated Pumping Time - 70 BC (HH:MM)	5:00	3:30
Free Water (mls) @ ° F @ 90 ° angle		0.0
Fluid Loss (cc/30min) at 1000 psi and ° F		50.0
COMPRESSIVE STRENGTH		
12 hrs @ 140 ° F (psi)	175	250
24 hrs @ 140 ° F (psi)	250	1500
72 hrs @ 140 ° F (psi)	700	2000

Operator Name: Devon Energy Corp
Well Name: Strawberry 7 Fed #5H
Job Description: 2nd Intermediate - 3 Stage
Date: April 22, 2010

Proposal No: 215855879D

FLUID SPECIFICATIONS (Continued)

STAGE NO.: 2

Spacer			20.0 bbls Fresh Water @ 8.34 ppg
Lead Slurry	419	/ 2.89	= 145 sacks Class C Cement + 1% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 3% bwoc Sodium Metasilicate + 157.8% Fresh Water
Tail Slurry	202	/ 1.35	= 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 2% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.2% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64% Fresh Water

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Displacement			210.4 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.40	13.80
Slurry Yield (cf/sack)	2.89	1.35
Amount of Mix Water (gps)	17.78	6.29
Estimated Pumping Time - 70 BC (HH:MM)	3:45	2:30
Free Water (mls) @ ° F @ 90 ° angle		
Fluid Loss (cc/30min) at 1000 psi and ° F		
COMPRESSIVE STRENGTH		
12 hrs @ 112 ° F (psi)	130	
24 hrs @ 112 ° F (psi)	300	
12 hrs @ 125 ° F (psi)		900
24 hrs @ 125 ° F (psi)		1800
72 hrs @ 125 ° F (psi)		2500

Operator Name: Devon Energy Corp
Well Name: Strawberry 7 Fed #5H
Job Description: 2nd Intermediate - 3 Stage
Date: April 22, 2010

Proposal No: 215855879D

FLUID SPECIFICATIONS (Continued)

STAGE NO.: 3

Spacer			20.0 bbls Fresh Water @ 8.34 ppg
Lead Slurry	698	/ 2.91	= 240 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 3% bwoc Sodium Metasilicate + 158.6% Fresh Water
Tail Slurry	134	/ 1.34	= 100 sacks Class C Cement + 1% bwoc Calcium Chloride + 56.3% Fresh Water

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Displacement			116.7 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.40	14.80
Slurry Yield (cf/sack)	2.91	1.34
Amount of Mix Water (gps)	17.88	6.34
Estimated Pumping Time - 70 BC (HH:MM)	3:30	2:30
Free Water (mls) @ ° F @ 90 ° angle		
Fluid Loss (cc/30min) at 1000 psi and ° F		
COMPRESSIVE STRENGTH		
12 hrs @ 104 ° F (psi)	130	900
24 hrs @ 104 ° F (psi)	300	1500

CALCULATIONS FROM CALIPER LOG:

1st STG LEAD - 5500' - 8100' => 486 FT3 X 1.2 = 583 FT3

2nd STG LEAD - 3050' -4700' => 350 FT3 X 1.2 = 420 FT3
2nd STG TAIL - 4700' - 5500' => 160 FT3 X 1.25 = 200 FT3

3rd STG LEAD - Surface - 2194 => 366 FT3 X 1.2 = 440 FT3
2194' - 2684' => 200 FT3 X 1.3 = 260 FT3 (TOTAL 700 FT3 OF LEAD)
3rd STG TAIL - 2684' - 3050' => 73 FT3 X 1.85 = 134 FT3

Ysasaga, Stephanie
From: Ysasaga, Stephanie
Sent: Thursday, April 22, 2010 2:28 PM
To: 'Wesley_Ingram@blm.gov'; 'Christopher_Walls@blm.gov'
Cc: Brown, Patrick; McKinney, Curt; Jones, Steven
Subject: Strawberry 7 Federal 5H: NOI for 7" Casing

Attachments: Strawberry 7 Federal 5H_NOI7.pdf

Wesley & Chris,

Can you please review the attached and let me or Pat Brown know if you have any questions When you fax back the approval can you please cc Pat? I am hoping we will have the approval today, but if we get it tomorrow, I may be out of the office. If you cc Pat, at least he will have his approval via e-mail.

Thank you so much!

Strawberry 7
Federal 5H_NOI7.p..

Stephanie A. Ysasaga
Sr. Staff Engineering Technician
(405)-552-7802 Phone (405)-721-7689 Cell
(405)-552-8113 Fax
Corporate Tower 03.056
Stephanie.Ysasaga@dvn com

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon Energy Production Co.**
LEASE NO.:	**NMNM-100561**
WELL NAME & NO.:	**Strawberry 7 Federal 5H**
SURFACE HOLE FOOTAGE:	**2160' FNL & 340' FEL**
BOTTOM HOLE FOOTAGE	**2310' FNL & 340' FWL**
LOCATION:	**Section 7, T. 19 S., R 31 E., NMPM**
COUNTY:	**Eddy County, New Mexico**

A. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

1. The minimum required fill of cement behind the 7 inch production casing is:

   a. First stage to DV tool, cement shall:

   ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job.

   b. Second stage above DV tool, cement shall:

   ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with third stage cement job.

   c. Third stage above DV tool, cement shall:

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

CRW 042310