Form 3160-5 (August 2007)

(Instructions on page 2)

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

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

5 Lease Serial No. NM-046526	
6. If Indian, Allottee or Tribe Name	

abandoned well. Us	e Form 3160-3 (A	PD) for suc	h proposals	;				
SUBMIT IN	I TRIPLICATE - Other	instructions or	page 2.		7. If Unit of CA/Agree	ment, Name and/or No		
1. Type of Well								
Oil Well	Other		8. Well Name and No Cotton Draw 89					
2. Name of Operator Devon Energy Production Company, L.	P.				9. API Well No 30-015-31381			
3a. Address		3b. Phone No.	(include area cod	(e)	10. Field and Pool or E	xploratory Area		
20 N Braodway, Ste 1500 Oklahoma City, OK 73102-8260		405-228-8699	1		Paduca South; Wolfd	camp		
4 Location of Well (Footage, Sec., T.,R., A 250 FSL & 1980 FEL Sec 3 T25S R31E	1., or Survey Description)		1000		11. Country or Parish, S Eddy County, NM	State		
12. CHECK T	THE APPROPRIATE BO	X(ES) TO IND	CATE NATURE	OF NOTIC	E, REPORT OR OTHE	ER DATA		
TYPE OF SUBMISSION		<del></del>	TYF	E OF ACT	ION			
	Acıdıze	Deepe	en	Produ	iction (Start/Resume)	Water Shut-Off		
✓ Notice of Intent	Alter Casing	Fracti	ire Treat	=	mation	Well Integrity		
	Casing Repair				mplete	Other Sidetrack		
Subsequent Report	Change Plans	=	and Abandon	_	orarily Abandon			
Final Abandonment Notice	Convert to Injection	Plug			r Disposal			
Attach the Bond under which the work following completion of the involved testing has been completed. Final Aba determined that the site is ready for fir Devon Energy Production Company, L. following drilling procedure:  Casing Program	operations. If the operation and onment Notices must be all inspection.)	on results in a more filed only after	ultiple completion or all requirements	or recomp , including	letion in a new interval, reclamation, have been ent to convert to an SV	a Form 3160-4 must be filed once completed and the operator has		
•	OD 0				_	, , , ,		
Hole Size Hole Interval 12400- 17100'	OD Csg 5 "	•	sing Interval  2200– 17100'		Weight UNDITY	ONS OF ARROVAL		
Depth 12400-17100' Design Parameter Factors  Casing Size S.F.  5" (Please see attached procedure, BOP I		4 wellbore sche		Арр	Tensior	NOV 7 2011		
Cementing Program: Cement volumes		ninimum of 20°	% excess cemer	nt.		Accorded for second		
<ol> <li>I hereby certify that the foregoing is true: Name (Printed/Typed)</li> <li>Judy A. Barnett</li> </ol>	and correct.		Title Regulato	ry Speciali		Accepted for record NMOCD		
Signature	Laine	er'	Date 08/23/20	11		DEC 02 2011		
	THIS SPACE	FOR FEDE	RAL OR STA	ATE OFF	ICE USE APP	PROVED		
Approved by		PE	TROLEU	M EN	GNEER			
Conditions of approval, if any, are attached. A hat the applicant holds legal or equitable title entitle the applicant to conduct operations there	to those rights in the subjection.	t lease which wo	ould Office		J GCT LEW M	1 2011 Aug		
Title 18 U.S.C. Section 1001 and Title 43 U.S fictitious or fraudulent statements or representations.				d willfully to	make to any department ARLSBAD	locacing of the United States any false,		

COTTON DRAW 89 API# 30-015-31381 SEC 3-25S-31E Eddy County, NM August 22, 2011

**BOP DESIGN** 

The blow out prevention system will consist of a bag type (hydril) preventer, a double ram preventer stack, and a rotating head. Both the hydril and ram stack will be hydraulically operated. Both BOP systems will be rated at 5000psi. Tests on the 5000psi BOP will be conducted per the BLM Drilling Operations Order #2.

The ram system will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and hydril, other BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5000 psi WP

5" Liner

Lead w/ 310 sacks Class H Cement + 17.5% bwoc Silica Sand, 100 mesh, Sacked + 17.5% bwoc Silica Flour + 0.5% bwoc BA-11 + 0.25% bwoc Sodium Metasilicate + 0.1% bwoc ASA-301 + 0.1% bwoc R-21 + 0.5% bwoc CD-32 + 0.7% bwoc FL-25 + 57.2% Fresh Water
TOC
5" Liner 12.000'

#### Procedure for converting CDU 89 to a SWD:

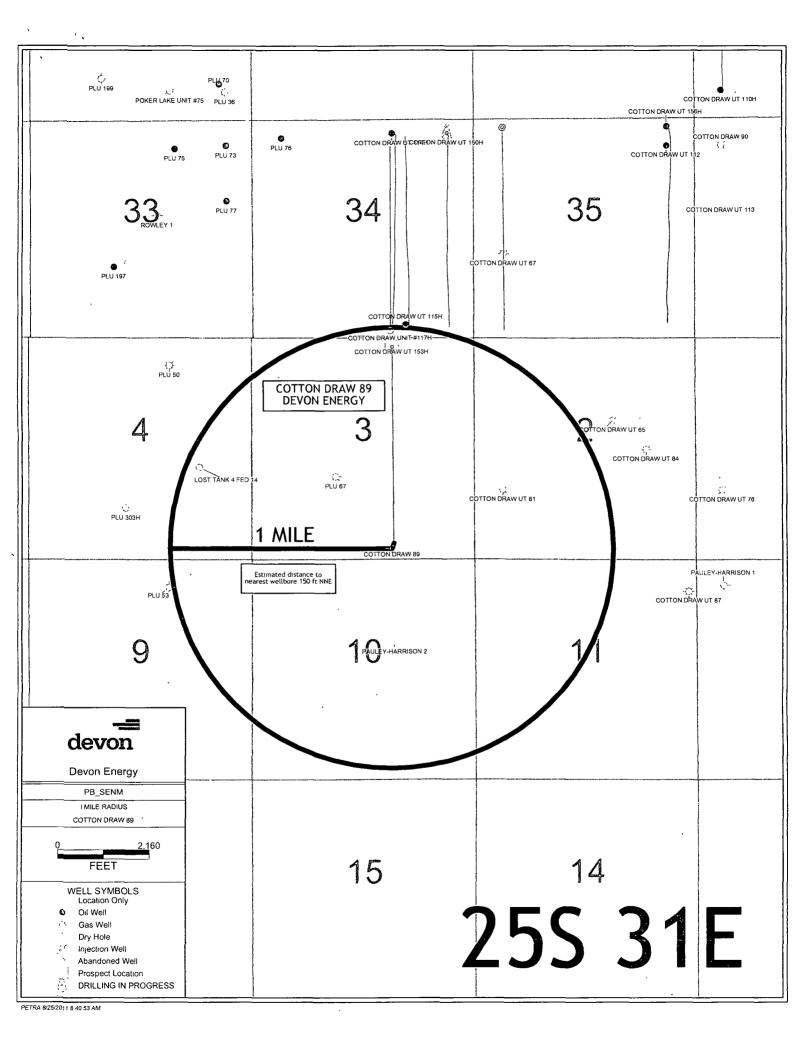
Operations personnel will perform the following with a workover/completion rig:

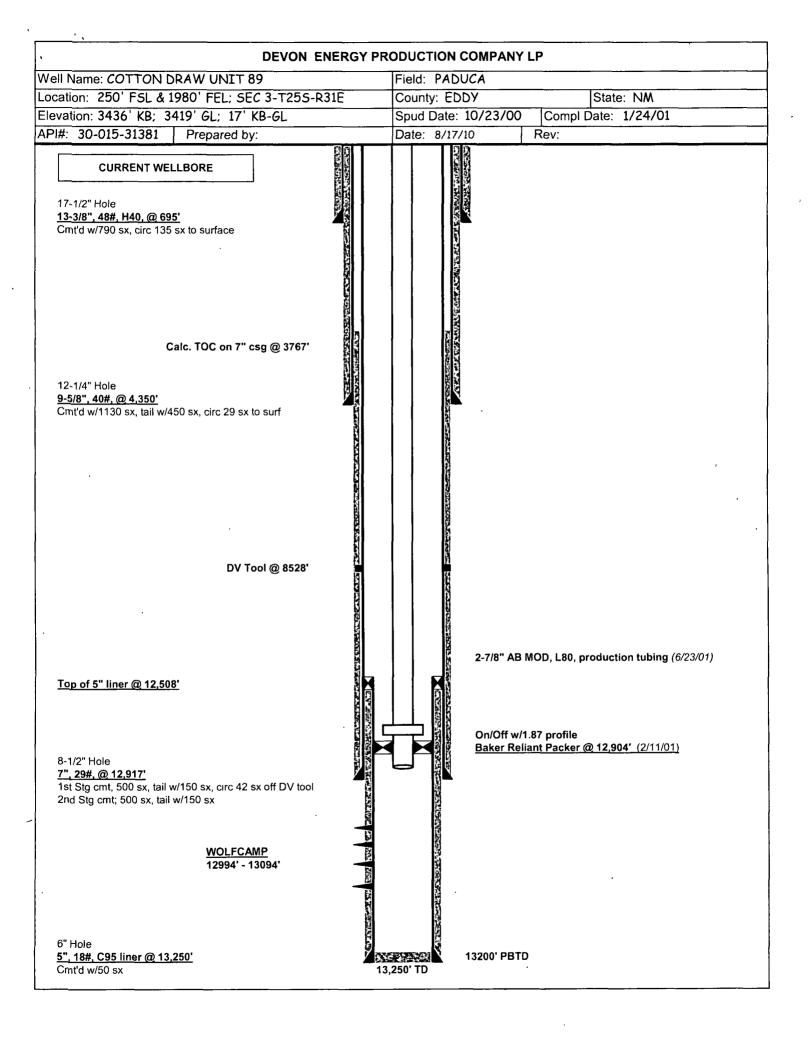
- 1) Pull tubing and packer (see wellbore schematic)
- 2) Sct a CIBP at 12,975' w/ 35' of cement
- 3) Set CIBP @ 12,450' and pressure test csg to 3000 psi.
- 4) After the drilling rig has been removed, drill the Devonian formation from 17,100 to a total depth of 17,400 using a completion rig.

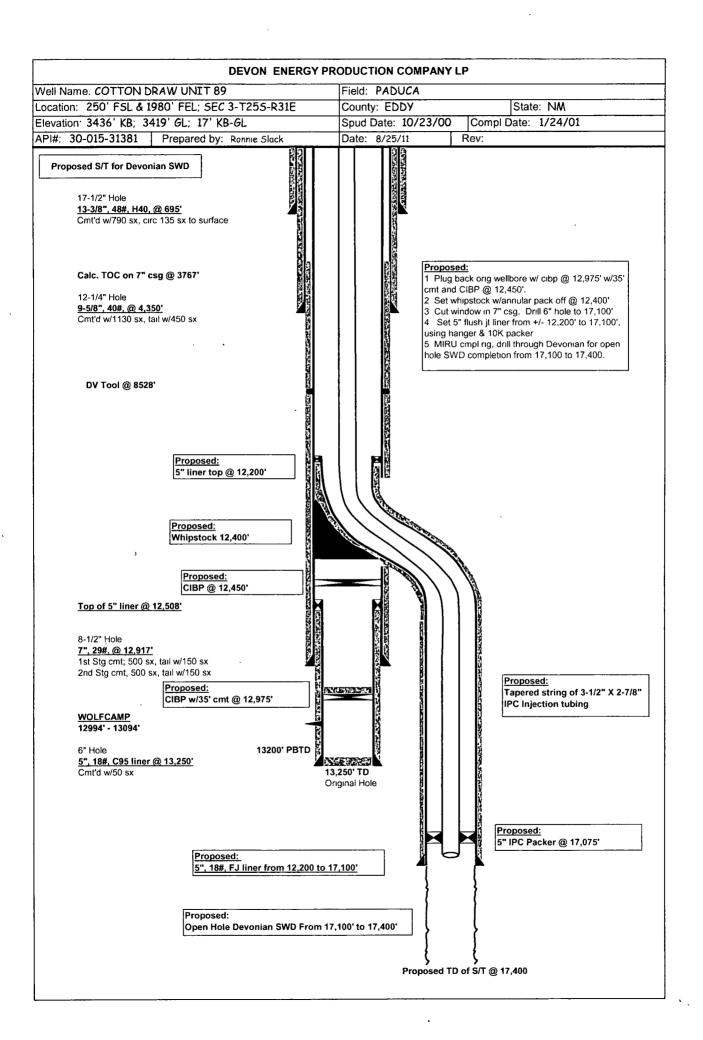
#### Drilling personnel will perform the following with a drilling rig:

Install 5K annular and 5K double ram BOP equipment and test as per BLM Land order #2. A Whipstock assembly (includes annular packoff) will run and set at 12,400' and window will be cut in the 7" casing. Drilling will commence with a 6" bit, directional tools and continue to the top of the Devonian at 17,100'. A 5" flush liner will be run from 17,100' to 12,200'. The liner will be set with a hanger, a 10K packer and cemented The drilling rig will be moved from the location and a completion rig will drill the Devonian.

Note: There will be four plugs above the existing Wolfcamp perforations: CIBP @ 12,975'; CIBP @ 12,975'; Whipstock @ 12,400' and liner packer @ 12,200'.







True Vertical Depth (200 ft/in) 14000 13800 Bottom of Whipstock @ 12400') -280 280 -240 -220 -200 -180 -160 Vertical Section at 349 55\* (20 ft/in) Side Track Point -140

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LATILONG)

No target data is available

+N/-S -187 12 -196 85 -186 25 -185 60

+E/-W 126 33 126 28 124 32 124 20 124 20

Target

SECTION DETAILS

PROJECT DETAILS Eddy Co., New Mexico (Nied 83)

Geodelic System US Sinte Plane 1983

Debum North American Dalum 1983
Ellipsoid GRS 1980 remained 1983
Zone New Mexico Eastern Zone
System Dalum Maen Sea Level

Created By Enc Minchew

Date 1439, August 19 2011

Plan Design #1 (Cotton Draw Unit 89/Wellbore #1)

Reviewed Checked

Date Date Date

00 po

00 00 W-73+

0 00 O

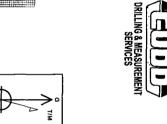
Easting 0 00

Latiflude 30° 59' 18 404 N

Longitude 106° 3' 38 987 W

Slot

Ground Level 3419 00 WELL @ 3444 00ft (Original Well Elev) WELL DETAILS Cotton Draw Unit 89

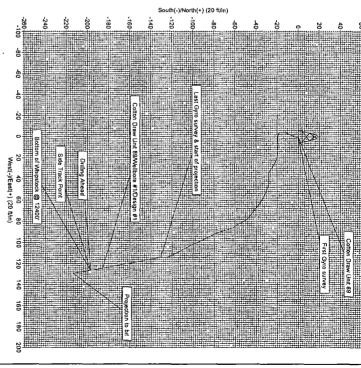


Project Eddy Co , New Mexico (Nad 83)
Site Cotton Draw Unit 89
Well Cotton Draw Unit 89
Wellbore Wellbore #1
Design Design #1

Magnetic Field Strength 0 0snT Dip Angle 0 00° Date 8/19/2011 el USER DEFINED

Azimuths to Grid North True North 0.89° Magnetic North 0.89°

TVD MD Annotation 12395 61 12400 00 Side Track Point 12484 60 12488 00 Drilling Ahead ANNOTATIONS





# **Devon Energy Production Co, LP**

Eddy Co., New Mexico (Nad 83) Cotton Draw Unit 89 Cotton Draw Unit 89 30-015-31381-0100 Wellbore #1

Plan: Design #1

# **Standard Planning Report**

19 August, 2011



Planning Report

Database: EDM 5000.1 Single User Db Devon Energy Production Co. LP

Project: Eddy Co. New Mexico (Nad 83)
Site: Cotton Draw Unit 89
Well: Cotton Draw Unit 89
Wellbore: Wellbore #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Site Cotton Draw Unit 89. WELL @ 3444.00ft (Original Well Eley) WELL @ 3444.00ft (Original Well Eley)

Grid, Trans

Minimum Curvature

Project Eddy Co., New Mexico (Nad 83)

Design #1

Map System:

Site

Design:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

Cotton Draw Unit 89, Sec 3, T-25S, R-31E

Site Position: None Resting: Position Uncertainty: 0.00 ft Slet Redii

0 00 usft Latitude:
0 00 usft Longitude:
13-3/16 " Grid Convers

21

0° 0' 0 000 N 0° 0' 0.000 E 0 30 °

Position Uncertainty: 0.00 ft Slot Radius: 13-3/16 " Grid Convergence:

Well Cotton Draw Unit 89

Well Position +N/-S +E/-W

0 00 ft 0.00 ft

Northing: Easting:

; 0.00 usft 0.00 usft Latitude: Longitude: 30° 59' 18 404 N 106° 3' 38 987 W

Position Uncertainty 0.00 ft Wellhead Elevation: 3,444.00 ft Ground Level: 3,419 00 ft

Wellbore #1

Magnetics Model Name Sample Date Declination Dip Angle Field Strength (nT)

User Defined 8/19/2011 0.00 0.00 0.00

Design #1

Audit Notes:

Version:

Phase:

PLAN

Tie On Depth:

12,400 00

Plan Sections		- 4 A		***		. ,	***************************************	3.0 S	10 - K. C.	
Measured			Vertical			Dogleg	Build	Turn		
Depth. Inc	lination A	Azimuth.	Depth	+N/-S	+E/-W	Rate	Rate	Rate	ωTFO :	
(ft)	(°)	(°)	(ft)	(ft)	(ft).' (f	/100usft) 🦨 (°	/100usft) (°	//100usft)	(9)	Target
12,400 00	1 14	169 55	12,396.61	-197 12	126.33	0.00	0.00	0 00	0.00	State
12,488 00	1 50	349 55	12,484 60	-196 85	126 28	3 00	0 41	-204 55	180.00	
12,900.00	1 50	349.55	12,896 46	-186 25	124 32	0 00	0 00	0.00	0.00	
12,950 00	0.00	0 00	12,946 46	-185 60	124 20	3.00	-3 00	0 00	180 00	
17 108 55	0.00	0.00	17 105 00	-185 60	124 20	0.00	0.00	0.00	0.00	



Planning Report

EDM 5000.1 Single User Db Devon Energy Production Co, LP Eddy Co, New Mexico (Nad 83) Cotton Draw Unit 89 Cotton Draw Unit 89 Wellbore #1 Database: Company: Project. Site: Well: Wellbore: Design:

Design #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:

Site Cotton Draw Unit 89: Site Cotton Draw Unit 89'
WELL @ 3444 Offt (Original Well Elev)
WELL @ 3444 Offt (Original Well Elev)
Grid
Minimum Curvature:

Santa Carana									
Planned Survey	, The state of the			<del>s siedist</del>	755		21 Ja	WARE IN	1000
Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	ြည့် Depth ်	+N/-S	+E/-W	Section	Rate	Rate	Rate 🗐
(ft)	(°)	7.2	(ft)	(ft)	(ft)	(ft)**	( <sup>2</sup> /100usft) (		(°/100usft):
12,400 00	1.14	<u> </u>	12,396 61	-197 12	126 33	-216 77	0.00	0 00	0.00
Side Trac			.#***\};;**\\$\\	\$ 1	Sec. 15 50		. 1380 A T 被影流	in carried and	MONTH ALLEGANING
12,488.00	1.5		12,484.60	-196.85	126 28	-216 49	3.00	0 41	-204 55
Drilling A	head		3733 T. M.	医圆髓管 5		ر از از همچنی در است. د د از در دارند این	را منطقه استان ما المواهدية المادة		Ma That
12,500.00		349 55	12,496 60	-196 54	126 22	-216 18	0 00	0 00	0 00
12,600.00 12,700.00			12,596 56 12,696.53	-193 97 -191.39	125.75 125 27	-213 56 -210.94	0 00 0.00	0 00 0.00	0 00 0.00
			•						
12,800 00 12,900 00			12,796 50 12,896.46	-188.82 -186.25	124.80 124 32	-208 32 -205 71	0 00 0.00	0.00 0.00	0 00 0 00
12,950 00			•	-185.60	124 20	-205 05	3 00	-3 00	0 00
13,000 00	0.00			-185 60	124 20	-205 05	0 00	0 00	0 00
13,100 00	0.00	0 00	13,096 46	-185 60	124 20	-205.05	0 00	0 00	0 00
13,200 00				-185 60	124.20	-205 05	0 00	0.00	0.00
13,300 00			,	-185 60	124 20	-205.05	0 00	0 00	0 00
13,378.55	0.01	0 00	13,375 00	-185 60	124.20	-205 05	0.00	0.00	0 00
13,400.00	0.00	000	13,396 46	-185 60	124.20	-205 05	0.00	0.00	0.00
13,500 00				-185 60	124.20	-205 05	0 00	0.00	0.00
13,600 00	0.00	0 0 0	13,596 46	-185 60	124 20	-205 05	0 00	0 00	0 00
13,700 00				-185 60	124 20	-205.05	0 00	0 00	0 00
13,800.00	0.00	0 00	,	-185 60	124.20	-205.05	0 00	0 00	0 00
13,803 55		0.00	13,800 00	-185 60	124 20	-205.05	0.00	0 00	0 00
STRAWN	0.00		13 900 00	-185.60	124 20	-205 05	0.00	0.00	0.00
13,893.55 ATOKA	ان.ن اگراری و الانجهاد ا		13,890.00	-100.00 	124 20 E 1 132				State on the state of the
1						COLOR			0.00
13,900.00 14,000 00	0 00		,	-185 60 -185.60	124 20 124.20	-205 05 -205.05	0 00 0 00	0 00 0 00	0 00 0 00
14,100 00	0 00			-185 60	124.20	-205.05	0 00	0.00	0 00
14,200 00	0.00		•	-185 60	124 20	-205 05	0 00	0.00	0 00
14,223 55	0.00	0.00	14,220 00	-185 60	124 20	-205.05	0 00	0 00	0 00
ATOKA B	ANK			~		\$ \$\frac{1}{8}	C.		14 15 15
14,300 00	0.00		14,296 46	-185.60	124.20	-205.05	0 00	0.00	0 00
14,400.00	0.00			-185 60	124 20	-205 05	0 00	0 00	0 00
14,500 00 14,600.00	0 00			-185.60 -185.60	124 20 124.20	-205.05 -205.05	0 00 0.00	0 00 0 00	0 00 0 00
14,700.00			,	-185.60	124.20	-205.05	0.00	0 00	0 00
14,728 55	0.00		14,725.00	-185.60	124 20	-205 05	0 00	0 00	0.00
MORROW		: .	14,725.00		127 20	. 200 00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, 1:	0.00 3
14,800.00	0.00	0 00		-185 60	124 20	-205 05	0 00	0 00	0 00
14,900 00	0.00	0 00	14,896 46	-185 60	124 20	-205 05	0 00	0 00	0 00
15,000 00	0.00			-185.60	124 20	-205 05	0 00	0 00	0 00
15,100.00	0.00		15,096.46	-185 60	124 20	-205 05	0 00	0 00	0 00
15,193 55	0.00	0.00	15,190 00	-185 60	124 20	-205 05	0 00	0 00	0 00
MIDDLE N 15,200 00	-		15,196.46	-185 60	124 20	-205 05	0 00	0.00	0 00
15,200 00	0 00			-185.60 -185 60	124 20	-205 05 -205 05	0.00	0.00	0.00
15,400 00	0 00			-185 60	124 20	-205 05	0.00	0 00	0 00
15,500 00	0.00		15,496.46	-185 60	124.20	-205 05	0 00	0 00	0.00
15,600.00	0.00	0 00	15,596.46	-185 60	124 20	-205 05	0 00	0.00	0 00
15,700.00	0.00		15,696 46	-185 60	124.20	-205.05	0.00	0 00	0.00
15,783 55		0.00		-185 60	124 20	-205.05	0 00	0 00	0 00
BARNETT		_			40.00		* **		
15,800.00	0.00	0.00	15,796 46	-185 60	124 20	-205.05	0.00	0 00	0 00



Planning Report

EDM 5000.1 Single User Db Database:∗ Devon Energy-Production Co, ĽP<sup>®</sup> Eddy Co., New Mexico (Nad 83) Company: Project: Site: Well: Wellbore: Design: Cotton Draw Unit 89 Cotton Draw Unit 89 Wellbore #1

Désign #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:

Site Cotton Draw Unit/89 WELL @ 3444.00ft (Original Well Elev) WELL @ 3444 00ft (Original Well Elev)
Grid
Minimum Curvature

Planned Survey		**************************************							
Measured Depth incli	nation Az	imuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W/	Section	Dogleg Rate /100usft) (2/	Build Rate 100usft) (	Turn Rate /(00usft)
15,900.00	0.00	0 00	15,896 46	-185.60	124 20	-205.05	0 00	0.00	0 00
16,000 00 16,100 00 16,200.00 16,300 00 16,400 00	0 00 0 00 0 00 0 00 0 00	0 00 0 00 0.00 0.00 0 00	15,996 46 16,096.46 16,196 46 16,296 46 16,396 46	-185 60 -185 60 -185 60 -185 60 -185 60	124.20 124.20 124.20 124.20 124.20	-205 05 -205.05 -205 05 -205 05 -205.05	0 00 0 00 0.00 0.00 0.00	0 00 0 00 0 00 0 00 0.00	0 00 0.00 0 00 0 00 0.00
16,473 55 MISSISSIPPIAN: 16,500.00 16,600 00 16,700 00 16,800 00	0 00 0 00 0.00 0 00 0 00 0.00	0.00 0 00 0.00 0 00 0 00	16,470 00 16,496 46 16,596 46 16,696 46 16,796 46	-185 60 -185 60 -185 60 -185 60 -185 60	124 20 124 20 124 20 124 20 124 20 124 20	-205 05 -205 05 -205 05 -205 05 -205 05	0.00 0.00 0.00 0.00 0.00 0.00	0 00 0 00 0.00 0 00 0 00	0.00 0.00 0.00 0.00 0.00 0.00
16,900.00 16,938 55 <u>WOODFORD</u> —". 17,000.00 17,108 55 <u>DEVONJÂN</u>	0 00 0 00 0.00 0.00 0 00	0 00 0.00 0 00 0 00	16,896.46 16,935.00 16,996.46 17,105.00	-185 60 -185 60 -185 60 -185 60	124 20 124 20 124 20 124 20 124.20	-205 05 -205 05 -205 05 -205 05 -205.05	0 00 0.00 0 00 0.00	0.00 0 00 0 00 0 00 0 00	0.00 0.00 0.00 0.00

Formations*  Measured Depth (ft)	Vertical Depth (ft)	Name	Dip Dip Direction Lithology (°) (°)
13,378.55	13,375 00	UPS	0 00
13,803.55	13,800.00	STRAWN	0.00
13,893.55	13,890 00	ATOKA	0 00
14,223 55	14,220 00	ATOKA BANK	0 00
14,728.55	14,725 00	MORROW	0 00
15,193 55	15,190.00	MIDDLE MORROW	0 00
15,783.55	15,780.00	BARNETT	0 00
16,473 55	16,470 00	MISSISSIPPIAN	0.00
16,938.55	16,935 00	WOODFORD	0 00
17,108 55	17,105 00	DEVONIAN	0 00

Pla	n Annotations					
6.5						
	Measured Depth	Vertical Depth	Local Coordi	nates +E/-W		
.05	(ft)	(ft)	(ft)	∌π⊑/-γν ``ઃ≆(ft) ```\s	Comment	
نتنافض ا	12,400 00	12,396 61	-197 12	126.33	Side Track Point	 The state of the s
	12,488.00	12,484.60	-196 85	126 28	Drilling Ahead	



# **Devon Energy Production Co, LP**

Eddy Co., New Mexico (Nad 83) Cotton Draw Unit 89 Cotton Draw Unit 89 30-015-31381-0100 Wellbore #1 Design #1

# **Anticollision Report**

19 August, 2011



12,400 00

### **CUDD Drilling and Measurement**

Anticollision Report

Compány: Devon Energy Production Co, LP Local Co-ordinate Reference: Site Cotton Draw Unit 89 Project: Eddy Co, New Mexico (Nad 83) TVD Reference: WELL @ 3444 00ft (Original Control of the Control of t

Project: Eddy Co , New Mexico (Nad 83)

TVD Reference: WELL @ 3444 00ft (Original Well Elev)

Reference: Site: Ootton Draw Unit 89

Site Error: 0 00 ft

North Reference: Grid

Reference Well: Cotton Draw Unit 89 Survey Calculation Method: Minimum Curvature

Well Error: Output errors are at 2:00 sigma EDM 5000.1 Single User Db

Reference Design: Design #1 Offset Datum.

Reference Design #1

Filter type: NO GLOBAL FILTER: Using user defined selection & filtering criteria

17,108 42 Design #1 (Wellbore #1)

Interpolation Method: Stations Error Model: ISCWSA

 Depth Range:
 Unlimited
 Scan Method:
 Closest Approach 3D

 Results Limited by:
 Maximum center-center distance of 10,000 00 ft
 Error Surface:
 Elliptical Conic

 Warning Levels Evaluated at:
 2 00 Sigma
 Casing Method:
 Not applied

Survey Tool Program
Date 8/19/2011
From To
(ft) (ft) Survey (Wellbore) Tool Name Description

CUDD MWD

MWD - Standard CUDD MWD

Summary Reference Offset Distance ·Between. Between Separation \* Measured Measured Depth Ellipses Depth Centres : Factor Offset Well - Wellbore - Design (ft)e (ft) - (ft) (ft). Cotton Draw Unit 89 Cotton Draw Unit 89 - Wellbore #1 - Wellbore #1 12,400 00 12,400 00 0 00 -30.42 0 000 Level 1, CC, ES, SF

Offset D				nıt 89 - Got	ton,Drav	v Unit 89 -	:Wellbore.#1	Wellbore		- F		Offset Site Error	,0 00 ft
		0-NS-GYRÖ-I		A CONTRACTOR	72			Services	1	1	7.4.0	Offset Well Error	r:` 🎝 0,00.ft\
	ence	Offs	et 🚕 🤄	, Semi Major	Axis				🖖 🏃 Dista	ince " " ;; ' ·			
Measured		Measured	."Vertical	Reference	Offset 💆	Highside	Offset Wellbor +N/-S (ft)	e Centre	Between	Between	Minimum	Separation 🤲 🔭 Warn	ing 🤼 🖔 🐔 🖯
Depth"		Depth 1	Depth		Comment of the commen	Toolface	+N/-S	+E/-W			Separation	- Factor	
(ft)	, (10	(ii) ) - )	er ar (m) er e	is welling in	(II)	3. C. L. (3) 34 3.	\$ (tt) \$ 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(fi)	(ft) ->\*	(ft)	. (ft)		
12,400 00	12,396 61	12,400 00	12,396 61	0 00	30 45	. 0 00	-197 12	126 33	0 00	-30 42	30 42	0 000 Level 1, CC, ES, S	F
12,452 91	12,449 52			0 07	30 59	180 00	-198 16	126 52	0 73	-29 89	30 63	0 024 Level 1	
1 '	12,484 60			0 12	30 68	180 00	-198 84	126 65	2 03	-29.10	· 31 12	0 065 Level 1	
1	12,496 60		12,496 55		30 71	180 00	-199 08	126 69	2 58	-28 58	31 16	0 083 Level 1	
	12,596 56		12,596 42		30 96	180 00	-201 03	127 05	7 19	-24 32	31 51	0 228 Level 1	
12,700 00	12,696 53	12,699 74	12,696 29	0 60	31.22	180 00	-202 99	127 41	11 79	-20 12	31 91	0 369 Level 1	
12.800 00	12,796 50	12,799 64	12,796 17	0 83	31 47	180 00	-204 94	127 77	16 40	-15 95	32 35	0 507 Level 1	
J .	12,896 46		•	1 07	31 72	180 00	-206 90	128.13	21 00	-11 80	32 80	0 640 Level 1	
12,950 00	12,946.46	12,912 00	12,908 51	1 17	31 76	169 55	-207 14	128 18	43 81	10 97	32 85	1 334 Level 3	
13,000 00	12,996 46	12,912 00	12,908 51	1 26	31 76	169 55	-207.14	128 18	90 63	57 69	32 94	2 751	
13,100 00	13,096 46	12,912 00	12,908 51	1 48	31 76	169 55	-207 14	128 18	189 22	156.05	33 17	5 705	
13,200 00	13,196 46	12,912 00	12,908 51	1 70	31 76	169 55	-207 14	128 18	288 78	255 39	33 39	8 649	
13,300 00	13,296 46	12,912 00	12,908 51	1 92	31.76	169 55	-207 14	128 18	388 56	354 95	33 61	11 560	
13,400 00	13,396 46	12,912 00	12,908 51	2 14	31 76	169 55	-207 14	128 18	488 44	454 60	33 84	14 435	
13,500 00	13,496 46	12,912 00	12,908 51	2 36	31 76	169 55	-207 14	128 18	588.35	554 29	34 06	17 274	
13,600 00	13,596 46	12,912 00	12,908 51	2 58	31 76	169 55	-207 14	128 18	688 29	654 01	34 28	20 076	
13,700 00	13,696 46	12,912 00	12,908 51	2 80	31 76	169 55	-207.14	128 18	788 25	753 74	34 51	22 842	
13,800 00	13,796 46	12,912 00	12,908 51	3 02	31 76	169 55	-207 14	128 18	888 22	853 48	34.73	25 573	
13,900 00	13,896 46	12,912 00	12,908 51	3 25	31 76	169 55	-207 14	128 18	988 19	953 23	34 96	28 269	
14,000 00	13,996 46	12,912 00	12,908 51	3 47	31 76	169 55	-207 14	128 18	1,088 17	1,052 99	35 18	30 930	
14,100 00	14,096.46	12,912 00	12,908 51	3 70	31 76	169 55	-207 14	128 18	1,188.15	1,152 74	35 41	33 558	
14,200 00	14,196 46	12,912 00	12,908 51	3 92	31 76	169 55	-207 14	128 18	1,288 13	1,252 50	35 63	36 153	
14,300 00	14,296 46	12,912 00	12,908 51	4 15	31 76	169 55	-207 14	128 18	1,388 12	1,352 26,	35 85	38 715	
14,400 00	14,396 46	12,912 00	12,908 51	4 37	31 76	169 55	-207 14	128 18	1,488 11	1,452 03	36 08	41 245	
14,500 00	14,496 46	12,912 00	12,908 51	4 59	31 76	169 55	-207 14	128 18	1,588 10	1,551 79	36 30	43 745	
14,600 00	14,596 46	12,912 00	12,908 51	4 82	31 76	169 55	-207 14	128 18	1,688 09	1,651 56	36 53	46 213	
L													



### Anticollision Report

Company: Devon:Energy Production Co, LP: Local Co-ordinate Reference: Site Cotton Draw Unit 89.

Project: Eddy, Co: New Mexico (Nad 83): TVD Reference: WELL: @ 3444:00ft (Original Well-Elev)

Reference Site: Cotton Draw Unit 89 MD Reference: WELL: @ 3444:00ft (Original Well-Elev)

Site Error: North Reference: Grid

Reference Well: Cotton Draw Unit 89 Survey Calculation Method: Minimum Curvature

Well Error: Output errors are at 200 sigma

Reference Wellbore Wellbore #1 Database: EDM:5000 1 Single User Db

Offset TVD Reference: Offset: Datum

Offset E	esign 🔻	Cottor	Draw U	nit 89 - Cot	ton Dra	w Unit 89:-	Wellbore #1	-₊Wellbore	#15* 3	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	against an casan		Offset Site	Error:	# 40.00 ft.
Survey Pro	ogram 100							av Dr. At The	» Dista			F. 67 x 164	Offset Wel	l Error:	0.00 ft 2
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Measured,	Vertical			Reference	Offset 3	."Hiahside:🚉	Offset Wellbor	e Centre 🥻 🤏	Between "	Between 🛬	Minimum .	Separation.	· 100 元 100	Warning	
	Depth					Toolface	+N/-S	+E/-W	Centres	Ellipses	eparation **	Factor		<b>克斯斯尔</b>	
				(fi)大量。			(0)		(fi)	(ft)				***	3.43.2
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1 '	14,896 46		12,908 51	5 49	31 76	169 55	-207 14	128 18	1,988 07	1,950 86	37 20	53 439			
	14,996.46		12,908 51	5 72	31 76	169 55	-207 14	128 18	2,088 06	2,050 63	37 43	55 790		•	
1	15,096 46		12,908 51	5 94	31 76	169 55	-207 14	128 18	2,188 06	2,150 40	37 65	58 113			
15,200 00	15,196 46	12,912 00	12,908 51	6 17	31 76	169 55	-207 14	128 18	2,288 05	2,250 17	37.88	60 409			-
15.300 00	15,296 46	12,912 00	12.908 51	6 39	31 76	169 55	-207 14	128 18	2.388 05	2.349 95	38 10	62 677			ļ
	15,396 46		12,908 51	6 62	31 76	169 55	-207 14	128 18	2,488 04	2,449 72	38 33	64 919			
15,500 00	15,496 46	12,912 00	12,908 51	6 84	31 76	169 55	-207 14	128 18	2,588 04	2,549 49	38 55	67 134			
15,600 00	15,596 46	12,912 00	12,908 51	7 06	31 76	169 55	-207 14	128 18	2,688 04	2,649 26	38 77	69 324			
15,700 00	15,696 46	12,912 00	12,908 51	7 29	31 76	169 55	-207 14	128 18	2,788 03	2,749 03	39 00	71 489			
1 - /	15,796 46			7 51	31 76	169 55	-207 14	128 18	2,888 03	2,848 81	39 22	73 629			
	15,896 46	12,912 00		7 74	31 76	169 55	-207 14	128 18	2,988 03	2,948 58	39 45	75 744			
	15,996 46		12,908 51	7 96	31 76	169 55	-207 14	128 18	3,088 02	3,048 35	39 67	77 836			
· '	16,096 46		12,908 51	8 19	31 76	169 55	-207 14	128 18	3,188 02	3,148 12	39 90	79 903	•		
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16,300 00	16,296 46	12.912 00	12.908 51	8 64	31 76	169 55	-207 14	128 18	3,388 02	3.347 67	40 35	83 970			
	16,396 46	12,912 00		8 86	31 76	169 55	-207 14	128 18	3,488 02	3,447 44	40 57	85 970			
	16,496 46	12,912 00		9 09	31 76	169 55	-207.14	128 18	3.588 01	3.547 22	40 80	87 947			
16,600 00	16,596 46	12,912 00	12,908 51	9 31	31 76	169 55	-207 14	128 18	3,688 01	3,646 99	41 02	89 903			
16,700 00	16,696 46	12,912 00	12,908 51	9 54	31 76	169 55	-207 14	128 18	3,788 01	3,746 76	41 25	91 838			
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1															



Anticollision Report

Devon Energy Production Co, LP Company: Eddy Co. New Mexico (Nad 83) Project:

Reference Site: Cotton Draw Unit 89 Site Error:

0.00 ft Cotton Draw Unit 89 Reference Well: Well Error: Reference Wellbore Wellbore #1 Reference Design: Design #1. 9

Local Co-ordinate Reference:

TVD Reference: North Reference: Survey Calculation Method:

Output errors are at Database:

Offset TVD Reference:

Site Cotton Draw Unit 89

WELL @ 3444.00ft (Original Well Elev) WELL @ 3444.00ft (Original Well Elev)

Grid . . . .

Minimum Curvature 2 00 sigma

EDM 5000 1 Single User Db

Offset Datum

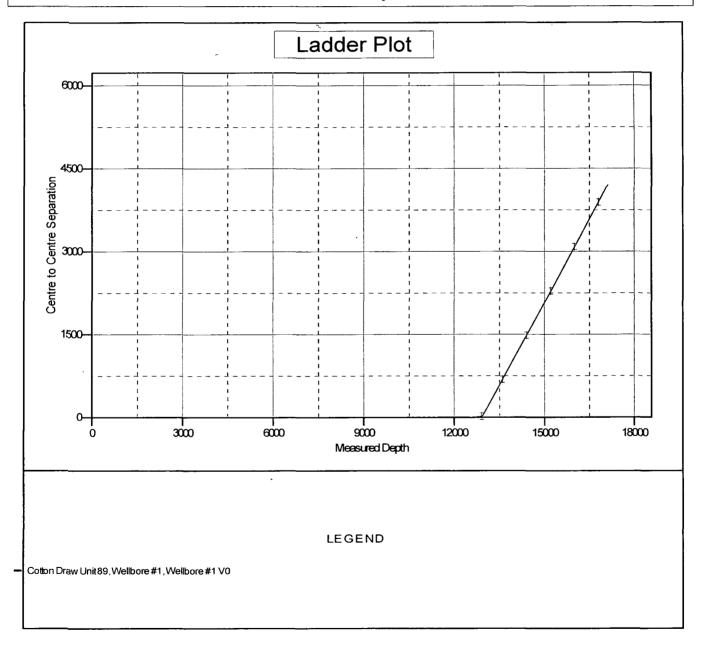
Reference Depths are relative to WELL @ 3444 00ft (Original Well Ele\Coordinates are relative to. Cotton Draw Unit 89

Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0 000 W

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: -0 89°





Anticollision Report

Company: Devon Energy Production Co, LP

Project: Eddy, Co New Mexico (Nad.83) Cotton Draw Unit 89 Reference Site:

0.00 ft

Site Error: Reference Well: Well Error: Cotton Draw Unit 89 0.00 ft , Reference Wellbore Wellbore #1 Reference Design: Design #1.

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method: Output errors are at

Database: Offset TVD Reference:

Site Cotton Draw Unit 89

WELL @ 3444.00ft (Original Well Elev) WELL @ 3444 00ft (Original Well Elev)

Grid .

Minimum Curvature

2 00 sigma

EDM,5000.1 Single User Db

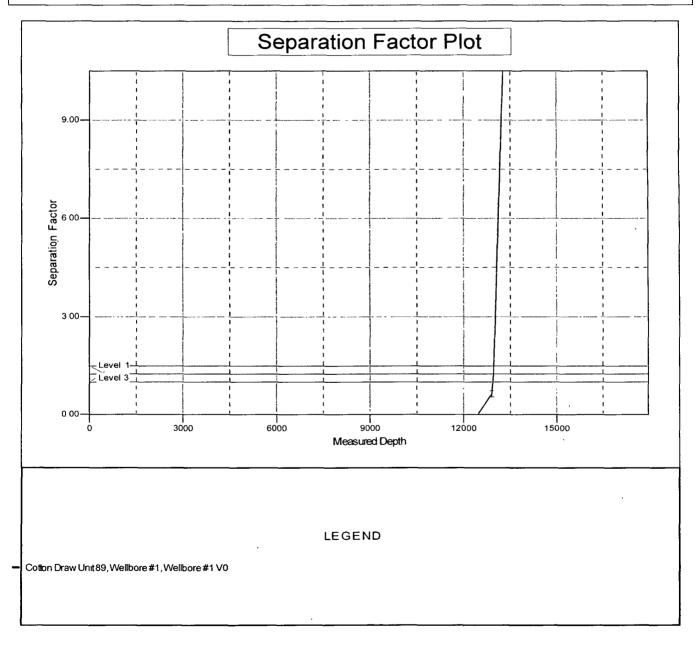
Offset Datum

Reference Depths are relative to WELL @ 3444.00ft (Original Well Ele\Coordinates are relative to Cotton Draw Unit 89

Offset Depths are relative to Offset Datum Central Meridian is 104° 20' 0 000 W

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: -0 89°



# PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Devon Energy Production Company, LP

**LEASE NO.: NM046525** 

WELL NAME & NO.: | Cotton Draw 89

SURFACE HOLE FOOTAGE: 250' FSL & 1980' FEL

**BOTTOM HOLE FOOTAGE** 

LOCATION: | Section 3, T. 25 S., R 31 E., NMPM

COUNTY: | Eddy County, New Mexico

### I. DRILLING

# A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

# **⊠** Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although there are no measured amounts of Hydrogen Sulfide reported, it is always a potential hazard. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Once the Drilling / Deepening Rig is on location it shall not be removed from over the hole without prior approval unless the liner has been run and cemented without drillout, or the well has been properly plugged. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. The record of the drilling rate and copies of logs run in the open hole as well as all other logs run on the borehole 30 days from completion shall be submitted to the BLM office. If available, a digital copy of the logs is to be submitted in addition to the paper copies.
- 4. Surface disturbance not to exceed originally approved pad without prior approval.

- 5. Deepening of this well and conversion to water disposal in the Devonian Formation is contingent on like approval by the state.
- 6. A closed loop mud system is required.

#### B. 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.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string.

- 1. The plugback of the existing wellbore shall comply with BLM abandonment guidelines. Plugback procedures shall adequately perform the following:
  - a) isolate the existing perforations in the Wolfcamp;
  - b) isolate the top of the Wolfcamp formation;
  - c) place a cement plug over the interval corresponding to the 7" casing shoe; and
  - d) place a cement plug across the top of the existing 5" liner.

NOTE: A detailed discussion of the plugback requirement is attached.

The Operator shall contact the BLM to witness the tag of the bottom plug.

- 2. The CIT to be performed on the 7" casing per Onshore Oil and Gas Order 2.III.B.1.h should not exceed 70 percent of the minimum internal yield. BLM shall be contacted to witness this test of wellbore integrity.
- 3. For the purpose of this sidetrack procedure, the window cut in the casing must be considered the equivalent of the new casing point for drilling deeper. Therefore, to comply with Onshore Order 2, a Formation Integrity Test of that equivalent casing shoe shall be performed. The formation at the window shall be tested to minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20' of new hole at the window. Report results to BLM office.

4. The minimum required fill of cement behind the 5" inch liner string is:

# 

A liner top packer is to be used in addition to circulating cement to the Top of the Liner.

- a. If cement does not circulate off of the top of the liner liner and the liner top packer does not set, the appropriate BLM office shall be notified and a cement bond log shall be run to verify the top of the cement.
- 5. In addition to the requirement for at least 100' of liner lap, Onshore Order 2 also requires the interval of overlap be sealed and tested. The liner shall be tested by a fluid entry or pressure test to determine whether a seal between the liner top and next larger casing string has been achieved. The test pressure shall be the maximum anticipated pressure to which the seal will be exposed when deeper drilling is conducted. BLM requires this test be completed by the drilling rig before moving off of location.
- 6. A Formation Integrity Test of the new 5" liner shoe shall be performed according to Onshore Order 2.III.B.1.i.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Submit a Subsequent Completion report (Sundry Form 3160-5) detailing all work done on the well. Guidelines for submittal are attached.

#### C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 7" casing window shall be 10,000 (10M) psi. 10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness BOP/BOPE tests.

- a. The tests shall be done by an independent service company utilizing a test plug **not** a **cup** or **J-packer**.
- b. The results of the test shall be reported to the appropriate BLM office.
- c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

#### D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before cutting the sidetrack window in the 7" casing, and shall be used until the deepening procedure has reached TD for the openhole completion in the Devonian Formation.

The mud program requirements of Onshore Order 2.III.C shall be complied with, including the use of a trip tank.

#### E. WELL COMPLETION

PRESSURE CONTROL: The BOP/BOPE requirement and H2S monitoring for the Completion Rig shall meet the sidetrack and drilling standards of 10,000 psi (10M) unless the Operator provides BLM with a sundry for an alternate BOP/BOPE requirement. This sundry, if submitted, shall include data obtained from the actual sidetrack / drilling operations of this well. The 10M BOP specification shall not be changed unless approval is received to do so.

1. 10,000 (10M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2. 10M systems shall require two independent power sources, one of which may be nitrogen bottles (three minimum) maintaining a charge equal to the manufacturer's recommendations.

- 2. Approval is only granted for disposal of water produced on the same lease agreement. If the well is to be dedicated for disposal of Unit produced water, then it must be returned to the unit prior to initiating injection.
- 3. Documentation is to be provided to the BLM to prove the injection zone does not contain production in paying quantities. (example documentation- mud log shows, cores, DST, well swabbing, open hole logs with evaluation, etc.)

### F. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

TMM 28 Oct 2011

## **COTTON DRAW 89: PLUG BACK REQUIREMENTS**

#### **DATA**

Existing 7" Casing Shoe: 12917' MD

Existing 5" C-95 18# FL4S Liner: 12508'-13250' MD

Planned Window in 7" Casing: 12400' MD

Top Bone Springs: 8260' MD Top Wolfcamp: 11640' MD

Wolfcamp Perforations (Sundry): 12994'-13094' MD

PBTD of Original Hole: 13200' MD TD of Original Hole: 13250' MD

The plugback procedures for the non-productive interval of the wellbore shall comply with Onshore Order III.G pertaining to well Abandonment; and with BLM area Guidelines for Plugging. NOTE: All cement plugs will be Class H and a minimum of 100' in length or a minimum of 25 sacks of cement whichever is greater.

<u>ANNULAR SPACE</u> – The Operator shall confirm TOC behind the Existing 5" C-95 Liner. If a CBL does not exist or wellfile records do not confirm cement was circulated off of the Liner top, then a CBL shall be run. If cement is not confirmed behind the liner, including in the liner lap, then remedial work must be done to cement the annular void. BLM is to be contacted in order to confirm the extent of cement behind the liner prior to placing the first cement plug inside the wellbore.

<u>WELL PREPARATION: MUD</u> – Spot mud inside of the existing liner. The mud to be of sufficient density to exert hydrostatic pressure exceeding the greatest formation pressure in the formations behind the liner. This mud is to fill the interval in the 5" liner between the original PBTD and the whipstock after plug back is completed. (Mud density shall be a minimum of 9 ppg.)

<u>PLUG 1: ISOLATION OF OPEN PERFORATIONS IN 5" LINER</u> – Set a CIBP at 12967' MD (approximately 27' above the open perforations).

PLUG 2: ACROSS THE INTERVAL CORRESPONDING TO THE 7" CASING SHOE - A 30 sack cement plug shall be placed at 12967' MD and extend to approximately 12667' MD to be across the 7" shoe interval at 12917' MD. Contact BLM to witness the tag of this plug since it is set on the CIBP above the perforations.

**PLUG 3: ACROSS THE TOP OF THE LINER** - A 25 sack cement plug shall be placed at 12623' MD and extend to approximately 12393' MD to be across the top of the 7" liner at 12508' MD.

PLUG 4: ISOLATION OF THE TOP OF THE WOLFCAMP FORMATION – A 25 sack cement plug shall be placed at 11690' MD and extend to approximately 11460' MD to isolate the top of the Wolfcamp at 11640' MD (PETRA).

# BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

# Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.
- 3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
- 5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

- 7. <u>Subsequent Plugging Reporting:</u> Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**
- 8. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation procedure.

DHW 122010

# **BEGINNING SEPTEMBER 20, 2010**

- 1. **APD PACKAGES MUST CONTAIN:** AN ORIGINAL AND 3 (THREE) COPIES INCLUDING ALL ATTACHMENTS. (PLEASE STAPLE THE APD AND ATTACHMENTS TOGETHER AS SETS).
- 2. SUNDRY NOTICES MUST CONTAIN: AN ORIGINAL AND 3 (THREE) COPIES INCLUDING ALL ATTACHMENTS. (PLEASE STAPLE THE SUNDRY NOTICE AND ATTACHMENTS TOGETHER AS SETS).
- 3. WELL COMPLETION REPORTS MUST CONTAIN: AN ORIGINAL AND 4 (FOUR) COPIES INCLUDING ALL ATTACHMENTS. (PLEASE STAPLE THE WELL COMPLETION REPORT AND ATTACHMENTS TOGETHER AS SETS).

YOU MAY SUBMIT THE SUNDRY NOTICE AT THE SAME TIME. DON'T ATTACH IT AND ANY OF ITS ATTACHMENTS TO THE WELL COMPLETION REPORT.

## ALSO PLEASE NOTE THE FOLLOWING:

### AS PER 43 CFR 3160.0-9(c)(1)

#### **OPERATING FORMS**

FORM NO.	NAME & FILING DATE	OMB NO.
3160-3	Application for Permit to Drill, Deepen or Plug Back—Filed 30 days prior to planned	
	action	1004-0136
3160-4	With Completion of Recompletion Report and	
	Log—Due 30 days after well completion	1004-0137
3160-5	Sundry Notice and Reports on Wells—Subsequent report –Due 30 days after operations completed	1004-0135

APPLICATION FOR PERMIT TO DRILL OR REENTER, SUNDRY NOTICES, AND WELL COMPLETION REPORTS NOT CONTAINING THE PROPER AMOUNT OF COPIES WITH ATTACHMENTS WILL BE RETURNED TO THE OPERATOR

> Thank Hall Betty Sum)

Sent to Operator

Gentlemen:

I will send back all correspondence from now on which does not have the correct amount of copies, with all attachments in order and stapled to each copy. Please see attached list of BLM Carlsbad Field Office copy requirements. This is sent to you just in case you lost the first copy of it I sent to your office last year. If you have any questions, send me an email or give me a call.

Betty Hill Legal Instruments Examiner Carlsbad Field Office 620 E. Greene Street Carlsbad, NM 88220 Betty\_Hill@nm.blm.gov 575-234-5937 575-885-9264 FAX