

Form 3160-3
(February 2005)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

EA 804

5. Lease Serial No. NMNM 42626 NM 0503 B14

6. If Indian, Allottee or Tribe Name

1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Devon Energy Production Co., LP

3a. Address 20 North Broadway
OKC, OK 731023b. Phone No. (include area code)
(405)-228-8973

4. Location of Well (Report location clearly and in accordance with any State requirements *)

At surface 330' FNL & 660' FEL Unit A

At proposed prod. zone 330' FSL & 660' FEL Unit P

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

8. Lease Name and Well No. Cotton Draw 10 Federal Com 2H

9. API Well No.

10. Field and Pool, or Exploratory COTTON DRAW, DEL, SOUTH

11. Sec., T. R. M. or Blk and Survey or Area

Sec 10 T2SS R31E

14. Distance in miles and direction from nearest town or post office*
Approximately 21 miles southeast of Loving, NM.12. County or Parish
Eddy13. State
NM15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)

330'

16. No. of acres in lease

240 acres 2360 acres

17. Spacing Unit dedicated to this well

160 acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

See attached map

19. Proposed Depth

12,603' MD 8215' TVD

20. BLM/BIA Bond No. on file

CO-1104

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3375.6' GL22. Approximate date work will start*
11/10/201123. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Name (Printed/Typed)
Spence LairdDate
04/12/2011

Title

Regulatory Analyst

Approved by (Signature)

James A. Amos

Name (Printed/Typed)

James A. Amos

Date
JUL - 8 2011

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval 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.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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)

Witness Surface &
Intermediate Casing

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

DRILLING PROGRAM

Devon Energy Production Company, LP

Cotton Draw 10 Federal Com 2H

Surface Location: 330' FNL & 660' FEL, Unit A, Sec 10 T25S R31E, Eddy, NM

Bottom Hole Location: 330' FSL & 660' FEL, Unit P, Sec 10 T25S R31E, Eddy, NM

1. Geologic Name of Surface Formation

a. Quaternary Alluvium

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Geologic Formation	Depth (TVD)	O/G/W	Penetration Point
a. Fresh Water	300'	Water	330' FNL & 660' FEL
b. Rustler	625'	Water	330' FNL & 660' FEL
c. Salt	970'	Barren	330' FNL & 660' FEL
d. Base Salt	4155'	Barren	330' FNL & 660' FEL
e. Delaware/Lamar	4322'	Oil	330' FNL & 660' FEL
f. Bell Canyon	4357'	Oil	330' FNL & 660' FEL
g. Cherry Canyon	5319'	Oil	330' FNL & 660' FEL
h. Brushy Canyon	6594'	Oil	330' FNL & 660' FEL
i. Horizontal Landing Depth	8215'	Oil	930' FNL & 660' FEL
j. Total MD	12,603'	Oil	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at 750' and circulating cement back to surface. The fresh water sands will be protected by setting 9 5/8" casing at 4375' and circulating cement to surface. The pay intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing. All casing is new and API approved.

3. Casing Program:

See col A

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 750' 645'	13-3/8"	0 - 750'	48#	STC	H-40
12-1/4"	650 - 4,375 425'	9-5/8"	0 - 4,275'	40#	LTC	J-55
8-3/4"	4,375 - 7,500	5-1/2"	0 - 7,500	17#	LTC	P-110
8-3/4"	7,500 - 12,603	5-1/2"	7,500 - 12,603	17#	BTC	P-110

Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8"	1.90	4.44	8.94
9-5/8" 40#	1.21	1.74	2.97
5-1/2" 17#	2.06	2.93	3.49
5-1/2" 17#	1.23	1.75	2.08

NOTE REGARDING COLLAPSE DESIGN FACTOR FOR INTERMEDIATE CASING: The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. The pore pressure is estimated to be 9.3 ppg for this calculation. This results in a collapse design factor of 1.21 for the 9-5/8" 40# J-55 LTC casing at a depth of 4,375 ft. While running the intermediate casing, the casing string will never be completely evacuated. There is no potential for the intermediate casing to be used as a production string.

4. Cement Program: (Cement volumes based on 25% excess)

13 3/8"	Lead: 485 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water 13.5 ppg Yield: 1.75 cf/sk TOC @ Surface Tail: 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water 14.8 ppg Yield: 1.35 cf/sk
9 5/8" Intermediate	Lead: 1225 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0.25% bwoc FL-52A + 107.7% Fresh Water 12.5 ppg Yield: 2.04 cf/sk TOC @ surface Tail: 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.5% Fresh Water 13.8 ppg Yield: 1.37 cf/sk
5 1/2" Production	1st Stage Lead: 400 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 6% bwoc Bentonite + 0.7% bwoc FL-52A + 102.5% Fresh Water 12.5 ppg Yield: 2.01 cf/sk Tail: 1355 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.4% bwoc FL-52A + 57.3% Fresh Water 14.2 ppg Yield: 1.28 cf/sk TOC @ 6,000' DV TOOL at 6,000' 2nd Stage Lead: 325 sacks Class C Cement + 0.75% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3% bwoc Sodium Metasilicate + 157% Fresh Water 11.4 ppg Yield: 2.88 cf/sk TOC @ 3,875' Tail: 100 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 65.4% Fresh Water 13.8 ppg Yield: 1.37cf/sk

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach approximately 500' above the 9 5/8" casing shoe. All casing is new and API approved.

Positive standoff centralizers will be utilized for the production string every other joint of casing from 100' MD above KOP or at the legal footage setback, whichever is the deeper MD, up to TOC.

5. Pressure Control Equipment:

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram, and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the intermediate casing shoe.

Pipe rams will be operated and checked each 24 hour period and blind rams tested each time the drill pipe is out of the hole. These tests will be logged in the daily 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 annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP. Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns. See attached.

6. Proposed Mud Circulation System

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0' - 750' 645	8.4-9.0	30-34	NC	FW
750' - 4375' 425	9.8-10.0	28-32	NC	Brine
4375' - 12,700'	8.6-9.3	28-32	NC	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- A Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

8. Logging, Coring, and Testing Program: *See COA*

- Drill stem tests will be based on geological sample shows.
- If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
- The open hole electrical logging program will be:

- i. Total Depth to Intermediate Casing and Gamma Ray. Compensated Neutron – Z Density log with Gamma Ray and Caliper. Dual Laterolog-Micro Laterolog with SP
- ii. Total Depth to Surface Compensated Neutron with Gamma Ray
- iii. No coring program is planned
- iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

9. Potential Hazards:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area; therefore, no H2S is anticipated to be encountered. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4405 psi and Estimated BHT 145°.

10. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

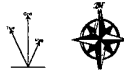
~~Depending on rig availability, Devon may set the surface casing using an Ashton Oilfield Services rig. The rig plat is attached. This rig will be used only to set the surface casing and will Eddyve the location once the surface casing has been run and cemented. Another rig will drill the remainder of the wellbore. The reasons for using the smaller rig to set surface are: rig availability and economics.~~

~~The BLM will be contacted 24 hours prior to commencing drilling operations. The surface casing will be run and cemented back to surface as per the approved APD. The well will be secured with a cap welded onto the surface casing. Another rig will be on location to drill the remainder of the wellbore within 60 days after the Ashton rig has left the location.~~

WELL				FIELD				STRUCTURE			
Cotton Draw #10" Federal #2H				NM Eddy County (NAD 83)				Rig TBA			
Myspace Parameters Model BGG41010 Dp 49.06" Mdg Dec 7.40" Date March 24 2011 FS 41650-40T				Surface Location Lat. N 22 9 4.900 Lon. W 103 45 33.707 Northing Easting				NAD83 New Mexico State Plane Eastern Zone US Feet Lat. 49.073388 RUSS Grid Coord. 0.305450187 1718660 N4 Mexico Scale Fact. 0.99994523			
								Measurements Slot Cotton Draw #10" Federal #2H P100 RevD R13-M4-M 11 TVD Ref Srvd Date March 24, 2011			

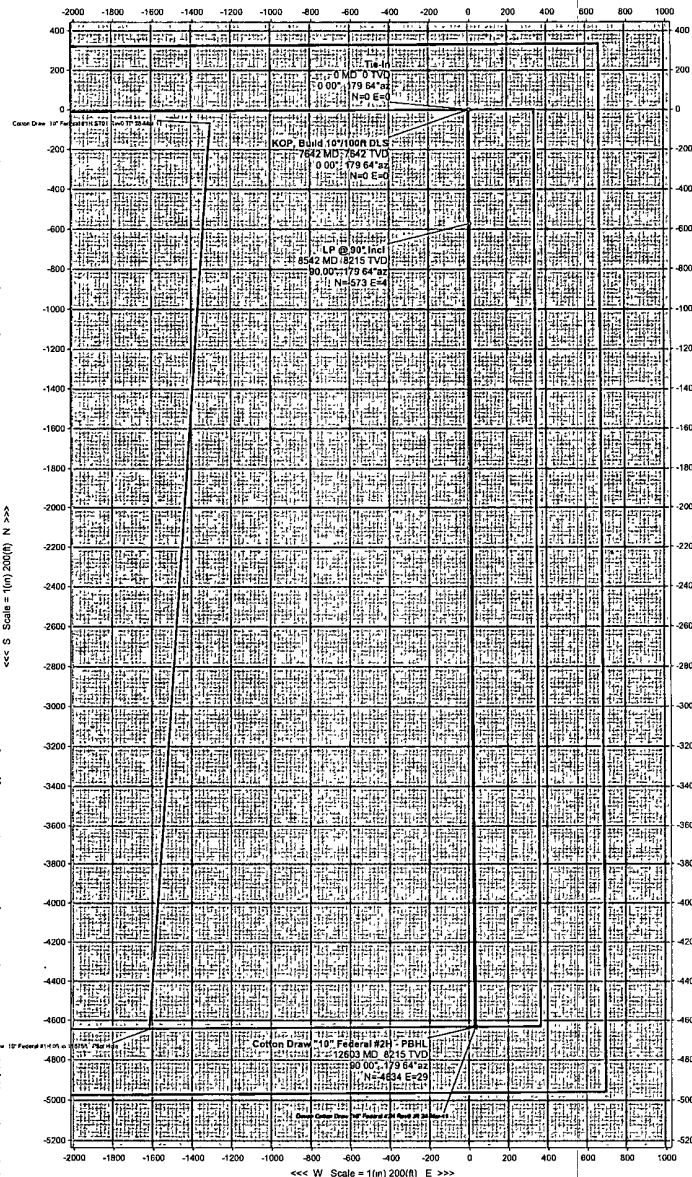
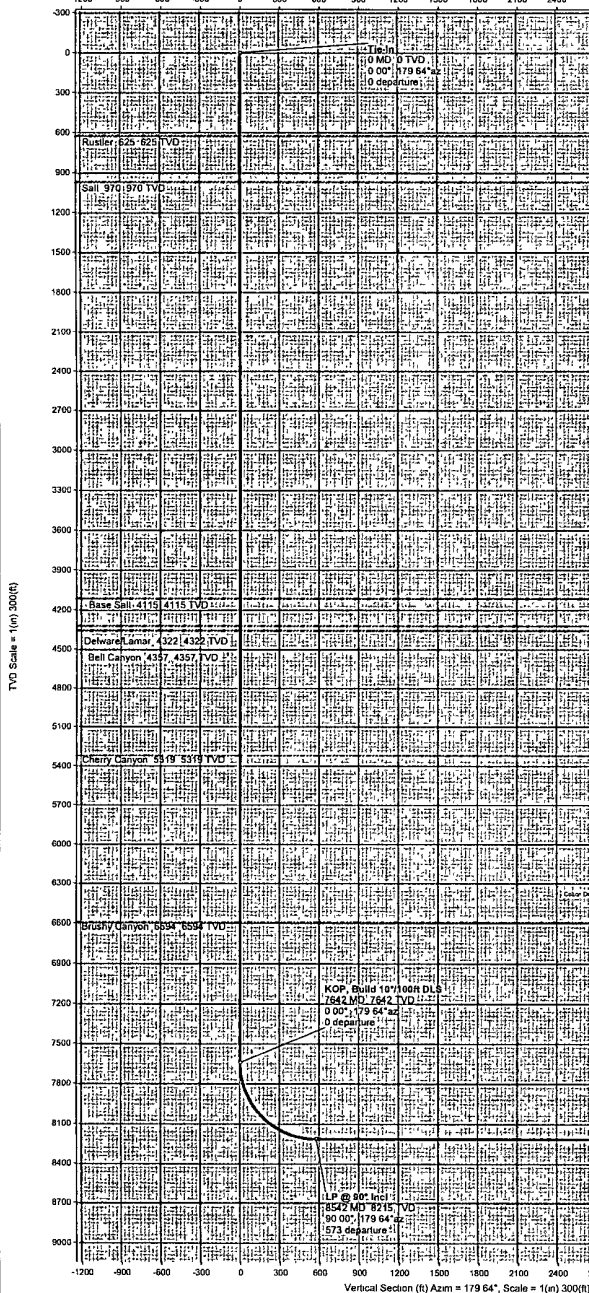
Legend

Cadon Draw 10' Federal 22H 1' P96L
Cadon Draw Unit 10 Fed 1H Lead Line
Cadon Draw Unit 10 Fed 1H 330' Hard Line
Devon Cadon Draw 10' Federal 22H Rev0 JR 24-Mar-11
Cadon Draw 10' Federal 22H OR to 11875A Plot Hide
Cadon Draw 10' Federal 22H 511' Rev0 TP 28-Mar-11



Grid North
 True Cdg (M) $\rightarrow 374.28^\circ$
 Mag Dev (T) 3.1°
 Grid Conv (G) 305.4511°

RunID	Comments	Original Values										Rounded Values									
		Survey	MC	Ind	U	W	PL	PL	W	PL	W	PL	W	PL	W	PL	W	PL			
0.00	0.00	178.64	0.00	0.00	3447.30	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
655.00	0.00	178.64	0.00	0.00	3447.30	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
970.00	0.00	178.64	0.00	0.00	3447.30	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
415.00	0.00	178.64	0.00	0.00	667.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
4322.00	0.00	178.64	0.00	0.00	667.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
4557.00	0.00	178.64	0.00	0.00	667.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
5319.00	0.00	178.64	0.00	0.00	1617.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
6594.00	0.00	178.64	0.00	0.00	1617.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
6594.00	0.00	178.64	0.00	0.00	1617.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
8640.00	0.00	178.64	0.00	0.00	1617.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
8640.00	0.00	178.64	0.00	0.00	1617.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
16202.00	0.00	178.64	0.00	0.00	4767.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		
16202.00	0.00	178.64	0.00	0.00	4767.70	0.00	0.00	0.00	N	32	9	4.900	U	10	45.35	37.07	718698.94	419293.78	0.00		



Drawn By: _____
Date Created: March 28, 2011 11:54:21 AM
Checked By: _____
Checked Date: _____
Approved By: _____
Approved Date: _____



Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11 Proposal Report

(Def Plan)

Report Date: March 28, 2011 - 11 52 AM
Client: Devon Energy
Field: NM Eddy County (NAD 83)
Structure / Slot: Devon Cotton Draw "10" Federal #2H / Cotton Draw "10" Federal #2H
Well: Cotton Draw "10" Federal #2H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11
Survey Date: March 24, 2011
Tort / AHD / DDI / ERD Ratio: 90 005 * / 4633 856 ft / 5 806 / 0 564
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 9' 4 89965", W 103° 45' 33 70680"
Location Grid N/E Y/X: N 419273 980 ftUS, E 718969 840 ftUS
CRS Grid Convergence Angle: 0 30545019 °
Grid Scale Factor: 0 99994523

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179 637 * (Grid North)
Vertical Section Origin: 0 000 ft, 0 000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3447 300 ft above
Seabed / Ground Elevation: 3422 300 ft above
Magnetic Declination: 7 743 *
Total Field Strength: 48606 377 nT
Magnetic Dip Angle: 60 096 *
Declination Date: March 24, 2011
Magnetic Declination Model: BGGM 2010
North Reference: Grid North
Grid Convergence Used: 0 305 *
Total Corr Mag North->Grid North: 7 438 *
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0 00	0 00	179 64	0 00	-3447 30	0 00	0 00	0 00	N/A	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	100 00	0 00	179 64	100 00	-3347 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	200 00	0 00	179 64	200 00	-3247 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	300 00	0 00	179 64	300 00	-3147 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	400 00	0 00	179 64	400 00	-3047 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
Rustler	500 00	0 00	179 64	500 00	-2947 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	600 00	0 00	179 64	600 00	-2847 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	625 00	0 00	179 64	625 00	-2822 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	700 00	0 00	179 64	700 00	-2747 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	800 00	0 00	179 64	800 00	-2647 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
Salt	900 00	0 00	179 64	900 00	-2547 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	970 00	0 00	179 64	970 00	-2477 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1000 00	0 00	179 64	1000 00	-2447 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1100 00	0 00	179 64	1100 00	-2347 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1200 00	0 00	179 64	1200 00	-2247 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1300 00	0 00	179 64	1300 00	-2147 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1400 00	0 00	179 64	1400 00	-2047 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1500 00	0 00	179 64	1500 00	-1947 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1600 00	0 00	179 64	1600 00	-1847 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1700 00	0 00	179 64	1700 00	-1747 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1800 00	0 00	179 64	1800 00	-1647 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	1900 00	0 00	179 64	1900 00	-1547 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2000 00	0 00	179 64	2000 00	-1447 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2100 00	0 00	179 64	2100 00	-1347 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2200 00	0 00	179 64	2200 00	-1247 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2300 00	0 00	179 64	2300 00	-1147 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2400 00	0 00	179 64	2400 00	-1047 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
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	2600 00	0 00	179 64	2600 00	-847 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2700 00	0 00	179 64	2700 00	-747 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2800 00	0 00	179 64	2800 00	-647 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	2900 00	0 00	179 64	2900 00	-547 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3000 00	0 00	179 64	3000 00	-447 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3100 00	0 00	179 64	3100 00	-347 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3200 00	0 00	179 64	3200 00	-247 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3300 00	0 00	179 64	3300 00	-147 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3400 00	0 00	179 64	3400 00	-47 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3500 00	0 00	179 64	3500 00	52 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3600 00	0 00	179 64	3600 00	152 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3700 00	0 00	179 64	3700 00	252 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
Base Salt	3800 00	0 00	179 64	3800 00	352 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	3900 00	0 00	179 64	3900 00	452 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4000 00	0 00	179 64	4000 00	552 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4100 00	0 00	179 64	4100 00	652 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4115 00	0 00	179 64	4115 00	667 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
Delaware/Lamar Bell Canyon	4200 00	0 00	179 64	4200 00	752 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4300 00	0 00	179 64	4300 00	852 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4322 00	0 00	179 64	4322 00	874 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4357 00	0 00	179 64	4357 00	909 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4400 00	0 00	179 64	4400 00	952 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4500 00	0 00	179 64	4500 00	1052 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4600 00	0 00	179 64	4600 00	1152 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4700 00	0 00	179 64	4700 00	1252 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4800 00	0 00	179 64	4800 00	1352 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	4900 00	0 00	179 64	4900 00	1452 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
Cherry Canyon	5000 00	0 00	179 64	5000 00	1552 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5100 00	0 00	179 64	5100 00	1652 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5200 00	0 00	179 64	5200 00	1752 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5300 00	0 00	179 64	5300 00	1852 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5319 00	0 00	179 64	5319 00	1871 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5400 00	0 00	179 64	5400 00	1952 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5500 00	0 00	179 64	5500 00	2052 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5600 00	0 00	179 64	5600 00	2152 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5700 00	0 00	179 64	5700 00	2252 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5800 00	0 00	179 64	5800 00	2352 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	5900 00	0 00	179 64	5900 00	2452 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	6000 00	0 00	179 64	6000 00	2552 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	6100 00	0 00	179 64	6100 00	2652 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71
	6200 00	0 00	179 64	6200 00	2752 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 490	W 103 45 33 71

Comments	MD	Incl	Azim Grd	TVD	TVDSS	VSEC	NS	EW	DLS	Survey Error Model: Survey Program		MD From	EOL Freq (ft)	Survey Tool Type	Borehole / Survey	Original Borehole / Devon Cotton Draw #10 Federal #2H Rev'd J.R. 2/	Original Borehole / Devon Cotton Draw #10 Federal #2H Rev'd J.R. 2/	Mar-11					
										MD To	MD From												
Brushy Canyon	6400.00	0.00	179.64	6400.00	2952.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	6500.00	0.00	179.64	6500.00	3052.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	6594.00	0.00	179.64	6594.00	3146.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	6600.00	0.00	179.64	6600.00	3152.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	6700.00	0.00	179.64	6700.00	3252.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	7000.00	0.00	179.64	7000.00	3552.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	7100.00	0.00	179.64	7100.00	3652.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	7200.00	0.00	179.64	7200.00	3752.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
	KOP, Build	7300.00	0.00	179.64	7300.00	3852.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71
		7400.00	0.00	179.64	7400.00	3952.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71
7500.00		0.00	179.64	7500.00	4052.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
7600.00		0.00	179.64	7600.00	4152.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
7642.00		0.00	179.64	7642.00	4194.70	0.00	0.00	0.00	0.00	0.00	419273.98	718969.84	32	8	4.90	W 103.45 33.71	419273.98	718969.84	32	8	4.90	W 103.45 33.71	
LP @ 90° Incl		7700.00	5.80	179.64	7699.90	4252.60	2.93	0.00	0.00	0.00	0.00	419271.05	718968.84	32	8	4.87	W 103.45 33.71	419271.05	718968.84	32	8	4.87	W 103.45 33.71
		7800.00	15.80	179.64	8164.62	4717.32	338.07	0.00	0.00	0.00	0.00	419271.99	718971.44	32	8	2.42	W 103.45 33.70	419271.99	718971.44	32	8	2.42	W 103.45 33.70
		8300.00	65.80	179.64	8197.48	4750.18	430.98	0.00	0.00	0.00	0.00	419272.53	718972.53	32	8	0.62	W 103.45 33.70	419272.53	718972.53	32	8	0.62	W 103.45 33.70
		8400.00	75.79	179.64	8213.46	4766.16	530.97	0.00	0.00	0.00	0.00	419273.22	718973.22	32	8	0.59	W 103.45 33.70	419273.22	718973.22	32	8	0.59	W 103.45 33.70
		8542.07	85.42	179.64	8215.00	4767.70	573.00	0.00	0.00	0.00	0.00	419273.49	718973.49	32	8	0.59	W 103.45 33.70	419273.49	718973.49	32	8	0.59	W 103.45 33.70
	8600.00	95.00	179.64	8215.00	4767.70	630.93	0.00	0.00	0.00	0.00	419274.12	718974.12	32	8	0.55	W 103.45 33.70	419274.12	718974.12	32	8	0.55	W 103.45 33.70	
	8700.00	105.00	179.64	8215.00	4767.70	690.93	0.00	0.00	0.00	0.00	419274.75	718974.75	32	8	0.55	W 103.45 33.70	419274.75	718974.75	32	8	0.55	W 103.45 33.70	
	8800.00	115.00	179.64	8215.00	4767.70	750.93	0.00	0.00	0.00	0.00	419275.38	718975.38	32	8	0.56	W 103.45 33.70	419275.38	718975.38	32	8	0.56	W 103.45 33.70	
	8900.00	125.00	179.64	8215.00	4767.70	810.93	0.00	0.00	0.00	0.00	419276.01	718976.01	32	8	0.57	W 103.45 33.70	419276.01	718976.01	32	8	0.57	W 103.45 33.70	
	9000.00	135.00	179.64	8215.00	4767.70	870.93	0.00	0.00	0.00	0.00	419276.64	718976.64	32	8	0.58	W 103.45 33.70	419276.64	718976.64	32	8	0.58	W 103.45 33.70	
Federal Draw "10" - PBHL	11100.00	111.00	179.64	8215.00	4767.70	2130.89	-2130.89	13.55	0.00	0.00	417143.21	718983.30	32	8	4.81	W 103.45 33.68	417143.21	718983.30	32	8	4.81	W 103.45 33.68	
	11200.00	121.00	179.64	8215.00	4767.70	2230.93	-2230.89	14.82	0.00	0.00	417064.23	718984.02	32	8	4.82	W 103.45 33.68	417064.23	718984.02	32	8	4.82	W 103.45 33.68	
	11300.00	131.00	179.64	8215.00	4767.70	2330.93	-2330.89	14.18	0.00	0.00	416944.23	718984.65	32	8	4.81	W 103.45 33.68	416944.23	718984.65	32	8	4.81	W 103.45 33.68	
	11400.00	141.00	179.64	8215.00	4767.70	2430.86	-2430.86	15.45	0.00	0.00	416843.24	718985.29	32	8	4.80	W 103.45 33.68	416843.24	718985.29	32	8	4.80	W 103.45 33.68	
	11500.00	151.00	179.64	8215.00	4767.70	2530.93	-2530.88	16.08	0.00	0.00	416743.23	718985.92	32	8	0.39	W 103.45 33.68	416743.23	718985.92	32	8	0.39	W 103.45 33.68	
	11600.00	161.00	179.64	8215.00	4767.70	2630.93	-2630.88	16.71	0.00	0.00	416643.25	718986.55	32	8	0.38	W 103.45 33.68	416643.25	718986.55	32	8	0.38	W 103.45 33.68	
	11700.00	171.00	179.64	8215.00	4767.70	2730.93	-2730.86	17.35	0.00	0.00	416543.26	718987.19	32	8	0.37	W 103.45 33.67	416543.26	718987.19	32	8	0.37	W 103.45 33.67	
	11800.00	181.00	179.64	8215.00	4767.70	2830.93	-2830.88	17.98	0.00	0.00	416443.26	718987.82	32	8	0.36	W 103.45 33.67	416443.26	718987.82	32	8	0.36	W 103.45 33.67	
	11900.00	191.00	179.64	8215.00	4767.70	2930.93	-2930.87	18.61	0.00	0.00	416343.27	718988.45	32	8	0.35	W 103.45 33.67	416343.27	718988.45	32	8	0.35	W 103.45 33.67	
	12000.00	201.00	179.64	8215.00	4767.70	3030.93	-3030.86	19.24	0.00	0.00	416243.32	718989.08	32	8	0.34	W 103.45 33.67	416243.32	718989.08	32	8	0.34	W 103.45 33.67	
Cotton Draw "10" - PBHL	12100.00	211.00	179.64	8215.00	4767.70	3130.93	-3130.87	19.87	0.00	0.00	416143.29	718989.71	32	8	0.33	W 103.45 33.67	416143.29	718989.71	32	8	0.33	W 103.45 33.67	
	12200.00	221.00	179.64	8215.00	4767.70	3230.93	-3230.87	20.51	0.00	0.00	416043.29	718990.34	32	8	0.32	W 103.45 33.67	416043.29	718990.34	32	8	0.32	W 103.45 33.67	
	12300.00	231.00	179.64	8215.00	4767.70	3330.93	-3330.87	21.14	0.00	0.00	415943.30	718990.98	32	8	0.31	W 103.45 33.67	415943.30	718990.98	32	8	0.31	W 103.45 33.67	
	12400.00	241.00	179.64	8215.00	4767.70	3430.93	-3430.86	21.77	0.00	0.00	415843.31	718991.61	32	8	0.30	W 103.45 33.67	415843.31	718991.61	32	8	0.30	W 103.45 33.67	
	12500.00	251.00	179.64	8215.00	4767.70	3530.93	-3530.86	22.40	0.00	0.00	415743.32	718992.24	32	8	0.29	W 103.45 33.67	415743.32	718992.24	32	8	0.29	W 103.45 33.67	
	12600.00	261.00	179.64	8215.00	4767.70	3630.93	-3630.86	23.03	0.00	0.00	415643.33	718992.87	32	8	0.28	W 103.45 33.66	415643.33	718992.87	32	8	0.28	W 103.45 33.66	
	12700.00	271.00	179.64	8215.00	4767.70	3730.93	-3730.86	23.66	0.00	0.00	415543.34	718993.50	32	8	0.27	W 103.45 33.66	415543.34	718993.50	32	8	0.27	W 103.45 33.66	
	12800.00	281.00	179.64	8215.00	4767.70	3830.86	-3830.86	24.29	0.00	0.00	415443.34	718994.13	32	8	0.26	W 103.45 33.66	415443.34	718994.13	32	8	0.26	W 103.45 33.66	
	12900.00	291.00	179.64	8215.00	4767.70	3930.83	-3930.85	24.92	0.00	0.00	415343.35	718994.76	32	8	0.25	W 103.45 33.66	415343.35	718994.76	32	8	0.25	W 103.45 33.66	
	13000.00	301.00	179.64	8215.00	4767.70	4030.93	-4030.85	25.55	0.00	0.00	415243.36	718995.39	32	8	0.25	W 103.45 33.66	415243.36	718995.39	32	8	0.25	W 103.45 33.66	
Survey Error Model: Survey Program	13100.00	311.00	179.64	8215.00	4767.70	4130.93	-4130.85	26.18	0.00	0.00	415143.36	718996.02	32	8	0.24	W 103.45 33.66	415143.36	718996.02	32	8	0.24	W 103.45 33.66	
	13200.00	321.00	179.64	8215.00	4767.70	4230.85	-4230.85	26.81	0.00	0.00	415043.37	718996.65	32	8	0.23	W 103.45 33.66	415043.37	718996.65	32	8	0.23	W 103.45 33.66	
	13300.00	331.00	179.64	8215.00	4767.70	4330.85	-4330.85	27.44	0.00	0.00	414943.38	718997.28	32	8	0.22	W 103.45 33.66	414943.38	718997.28	32	8	0.22	W 103.45 33.66	
	13400.00	341.00	179.64	8215.00	4767.70	4430.84	-4430.84	28.07	0.00	0.00	414843.39	718997.90	32	8	0.21	W 103.45 33.66	414843.39	718997.90	32	8	0.21	W 103.45 33.66	
	13500.00	351.00	179.64	8215.00	4767.70	4530.93	-4530.8																



Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11 Proposal Report (Def Plan)

Report Date	March 28, 2011 - 11 52 AM	Survey / DLS Computation	Minimum Curvature / Lubinski
Client	Devon Energy	Vertical Section Azimuth.	179 637 ° (Grid North)
Field.	NM Eddy County (NAD 83)	Vertical Section Origin	0 000 ft, 0 000 ft
Structure / Slot	Devon Cotton Draw "10" Federal #2H / Cotton Draw "10" Federal #2H	TVD Reference Datum	RKB
Well	Cotton Draw "10" Federal #2H	TVD Reference Elevation	3447 300 ft above
Borehole.	Original Borehole	Seabed / Ground Elevation.	3422 300 ft above
UWI / API#:	Unknown / Unknown	Magnetic Declination	7 743 °
Survey Name	Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11	Total Field Strength.	48606 377 nT
Survey Date:	March 24, 2011	Magnetic Dip Angle	60 096 °
Tort / AHD / DDI / ERD Ratio.	90 005 ° / 4633 856 ft / 5 806 / 0 564	Declination Date:	March 24, 2011
Coordinate Reference System	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Declination Model.	BGGM 2010
Location Lat / Long.	N 32° 9' 4 89965", W 103° 45' 33 70680"	North Reference.	Grid North
Location Grid N/E Y/X:	N 419273 980 ftUS, E 718969 840 ftUS	Grid Convergence Used:	0 305 °
CRS Grid Convergence Angle:	0 30545019 °	Total Corr Mag North->Grid North	7 438 °
Grid Scale Factor:	0 99994523	Local Coord Referenced To:	Structure Reference Point

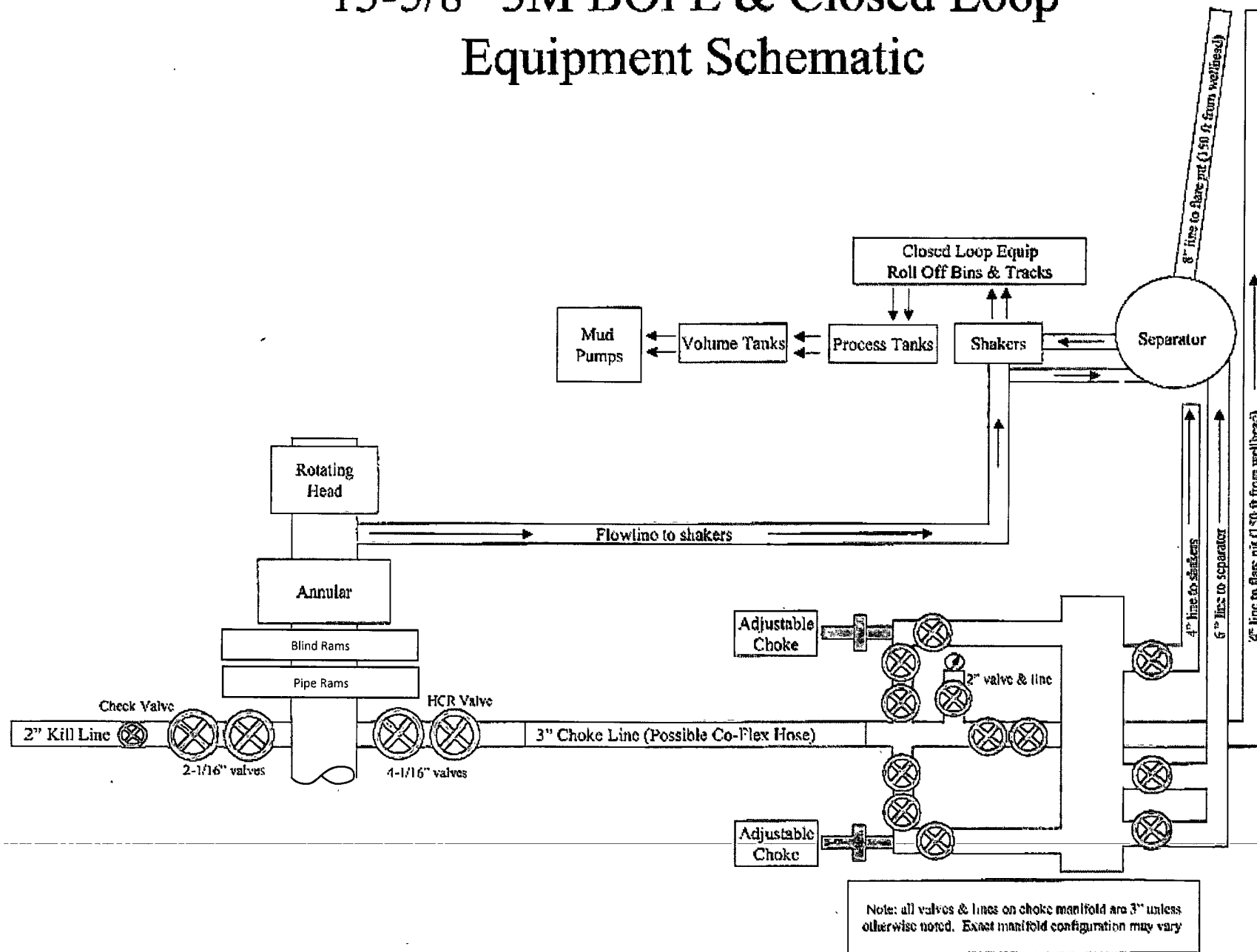
Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0 00	0 00	179 64	0 00	-3447 30	0 00	0 00	0 00	N/A	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Rustler	625 00	0 00	179 64	625 00	-2822 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Salt	970 00	0 00	179 64	970 00	-2477 30	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Base Salt	4115 00	0 00	179 64	4115 00	667 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Delaware/Lamar	4322 00	0 00	179 64	4322 00	874 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Bell Canyon	4357 00	0 00	179 64	4357 00	909 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Cherry Canyon	5319 00	0 00	179 64	5319 00	1871 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
Brushy Canyon	6594 00	0 00	179 64	6594 00	3146 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
KOP, Build 10"/100ft DLS	7642 00	0 00	179 64	7642 00	4194 70	0 00	0 00	0 00	0 00	419273 98	718969 84	N 32 9 4 90	W 103 45 33 71
LP @ 90° Incl	8542 07	90 00	179 64	8215 00	4767 70	573 00	-572 99	3 65	10 00	418701 02	718973 49	N 32 8 59 23	W 103 45 33 70
Cotton Draw "10" Federal #2H - PBHL	12602 92	90 00	179 64	8215 00	4767 70	4633 86	-4633 76	29 34	0 00	414640 48	718999 18	N 32 8 19 05	W 103 45 33 65

Survey Type Def Plan

Survey Error Model ISCWSA Rev 0 *** 3-D 95 000% Confidence 2 7955 sigma
Survey Program.

MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
0 000	25 000	1/100 000	SLB_MWD-STD-Depth Only	Original Borehole / Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11
25 000	12602 922	1/100 000	SLB_MWD-STD	Original Borehole / Devon Cotton Draw "10" Federal #2H Rev0 JR 24-Mar-11

13-5/8" 3M BOPE & Closed Loop Equipment Schematic



Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
Devon Energy Production Company, LP
Cotton Draw 10 Federal Com 2H

Surface Location: 330' FNL & 660' FEL, Unit A, Sec 10 T25S R31E, Eddy, NM
Bottom Hole Location: 330' FSL & 660' FEL, Unit P, Sec 10 T25S R31E, Eddy, NM

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137
 Well Name & # 38723 COTTON DRAW 10 FED COMH 2A Surface Type (F) (S) (P)
 Location: UL A, Sect 10, Township 25 s, RNG 31 e, Sub-surface Type (F) (S) (P)
R - 10-25-31e

A. Date C101 rec'd / / C101 reviewed / /

B. 1. Check mark, Information is OK on Forms:

OGRID X, BONDING FED PROP CODE X, WELL # X, SIGNATURE

2. Inactive Well list as of: 7/22/11 # wells 1585, # Inactive wells 4

a. District Grant APD but see number of inactive wells:

No letter required X; Sent Letter to Operator , to Santa Fe

3. Additional Bonding as of: 7/22/11

a. District Denial because operator needs addition bonding:

No Letter required X; Sent Letter to Operator , To Santa Fe

b. District Denial because of Inactive well list and Financial Assurance:

No Letter required X; Sent Letter to Operator , To Santa Fe

C. C102 YES , NO , Signature

1. Pool COTTON DRAW; DEL, SOUTH, Code 90757

a. Dedicated acreage 160, What Units AAIP

b. SUR. Location Standard X; Non-Standard Location

c. Well shares acres: Yes , No X, # of wells plus this well #

2. 2nd. Operator in same acreage, Yes , No X

Agreement Letter , Disagreement letter

3. Intent to Directional Drill Yes X, No

a. Dedicated acreage 160, What Units AAIP

b. Bottomhole Location Standard X, Non-Standard Bottomhole

4. Downhole Commingle: Yes , No X

a. Pool #2 , Code , Acres

Pool #3 , Code , Acres

Pool #4 , Code , Acres

5. POTASH Area Yes , No FED

D. Blowout Preventer Yes X, No

E. H2S Yes X, No

F. C144 Pit Registration Yes , No , need

G. Does APD require Santa Fe Approval:

1. Non-Standard Location: Yes , No X, NSL #

2. Non-Standard Proration: Yes , No , NSP #

3. Simultaneous Dedication: Yes , No , SD #

Number of wells Plus #

4. Injection order: Yes , No ; PMX # or WFX #

5. SWD order Yes , NO ; SWD #

6. DHC from SF ; DHC-HOB ; Holding

7. OCD Approval Date / /

API #30-0 15- 39230

8. Reviewers