OCD-ARTESIA

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
FEB 19 2010
NMOCD ARTESIA

1a Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. **NMNM-0121121**
	6. If Indian, Allottee or Tribe Name
	7. Unit or CA Agreement Name and No.
2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY, LP**	8 Well Name and No. **Cotton Draw Unit 110**
3. Address and Telephone No. 20 N. Broadway, Oklahoma City, Ok 73102-8260 405-235-3611	9. API Well No. **30-015-36406**
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 660' FSL 660' FWL M SEC 25 T24S R31E	10. Field and Pool, or Exploratory **Paduca; Delaware** ✓
BHL: 330 FNL & 660 FWL D SEC 25 T24S R31E	11. County or Parish Eddy State NM

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof If the proposal deepen directionally or recomplete horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports shall be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon Energy Production Company L. P. respectfully requests permission to deviate from the original APD which was a vertical well to change to a horizontal well. The C-102, Casing Program, Design Factors, Mud Program, Cementing Procedures and a Directional Survey are attached reflecting changes.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed Judy A. Barnett Name **Judy A. Barnett X8699** Title Regulatory Analyst Date 2/10/2010

APPROVED
FEB 18 2010
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(This space for Federal or State Office use)

Approved by _____ Title _____ Date

Conditions of approval, if any.

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

***See Instruction on Reverse Side**

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	49460 Paduca	DELAWARE

Property Code	Property Name	Well Number
	COTTON DRAW UNIT	110H

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY LP	3509'

Surface Location

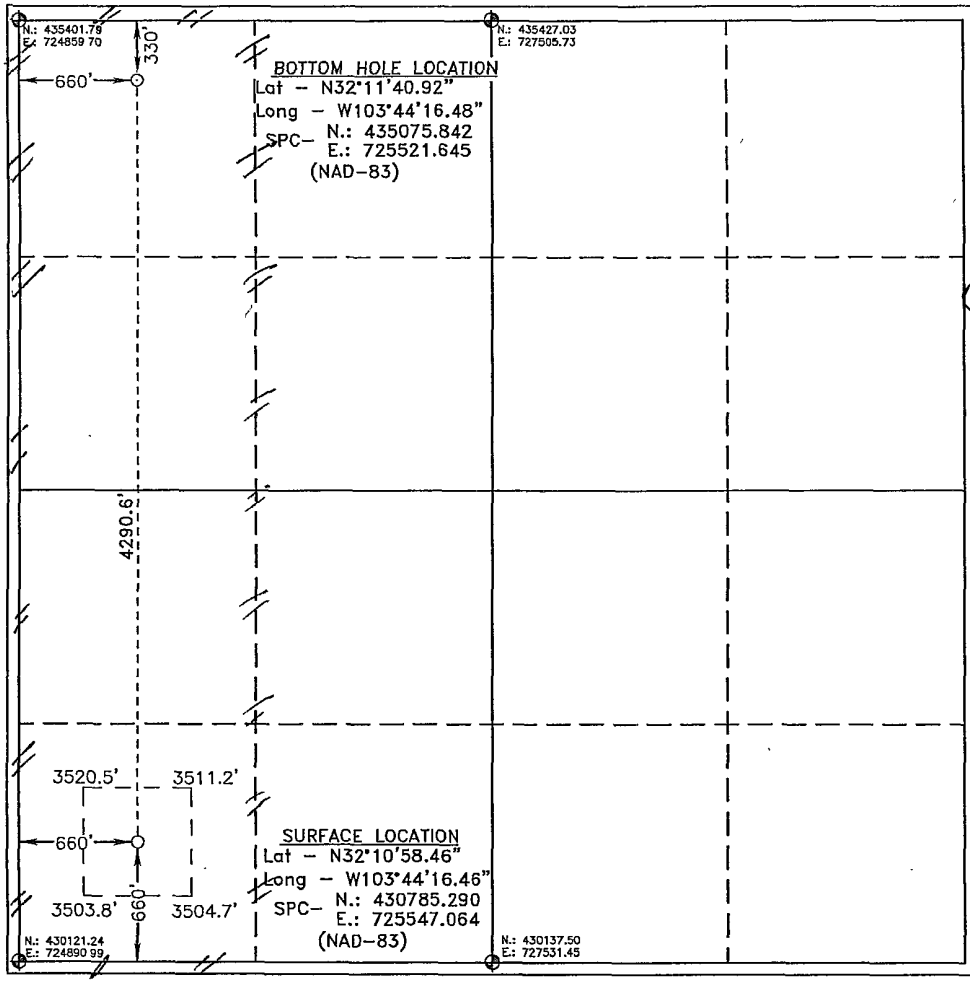
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	24 S	31 E		660	SOUTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	24 S	31 E		330	NORTH	660	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date

Judy A Barnett 2/10/10
Printed Name
Regulatory Analyst

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

FEBRUARY 7, 2008
Date Surveyed

Signature & Seal of Professional Surveyor

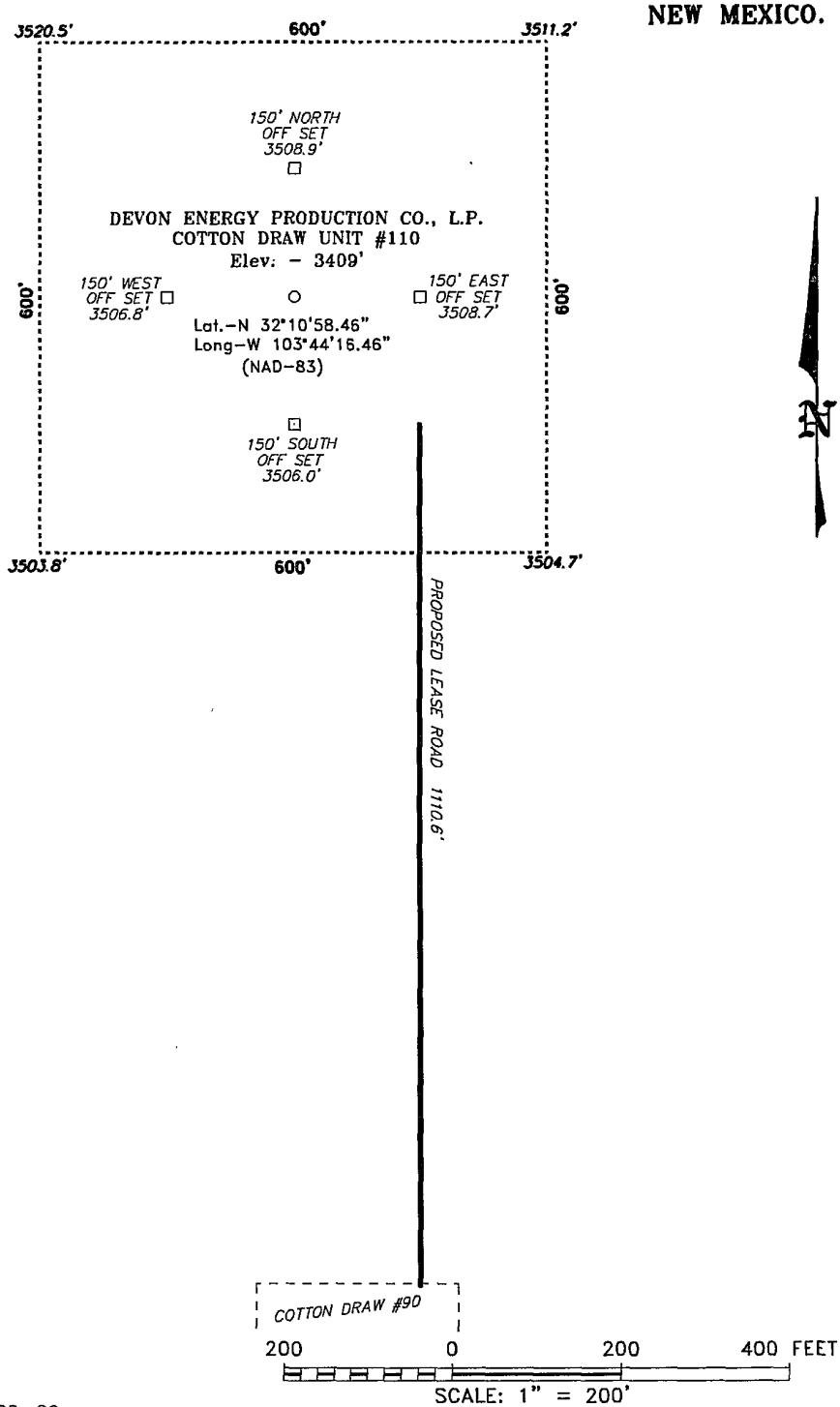
GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL SURVEYOR

W.O.: 19065

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

SECTION 25, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, **NEW MEXICO.**



Directions to Location:

FROM MILE MARKER 19 OF STATE HWY 128, GO EAST 0.3 MILES TO CO. RD. 786, ON CO. RD. 786 GO SOUTH FOR 4.6 MILES TO CO. RD. 791, ON CO. RD. 791 GO SOUTH BY SOUTHEAST FOR 3.1 MILES TO LEASE ROAD, ON LEASE ROAD GO EAST 1.9 MIELS TO COTTON DRAW WELL IN SECTION 11, THENCE NORTH 0.7 MILES, THENCE WEST 0.3 MILES, THENCE NORTH 0.3 MILES, THENCE EAST 0.7 MILES, THENCE 0.8 MILES NORTH THENCE WEST TO PROPOSED LEASE ROAD.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

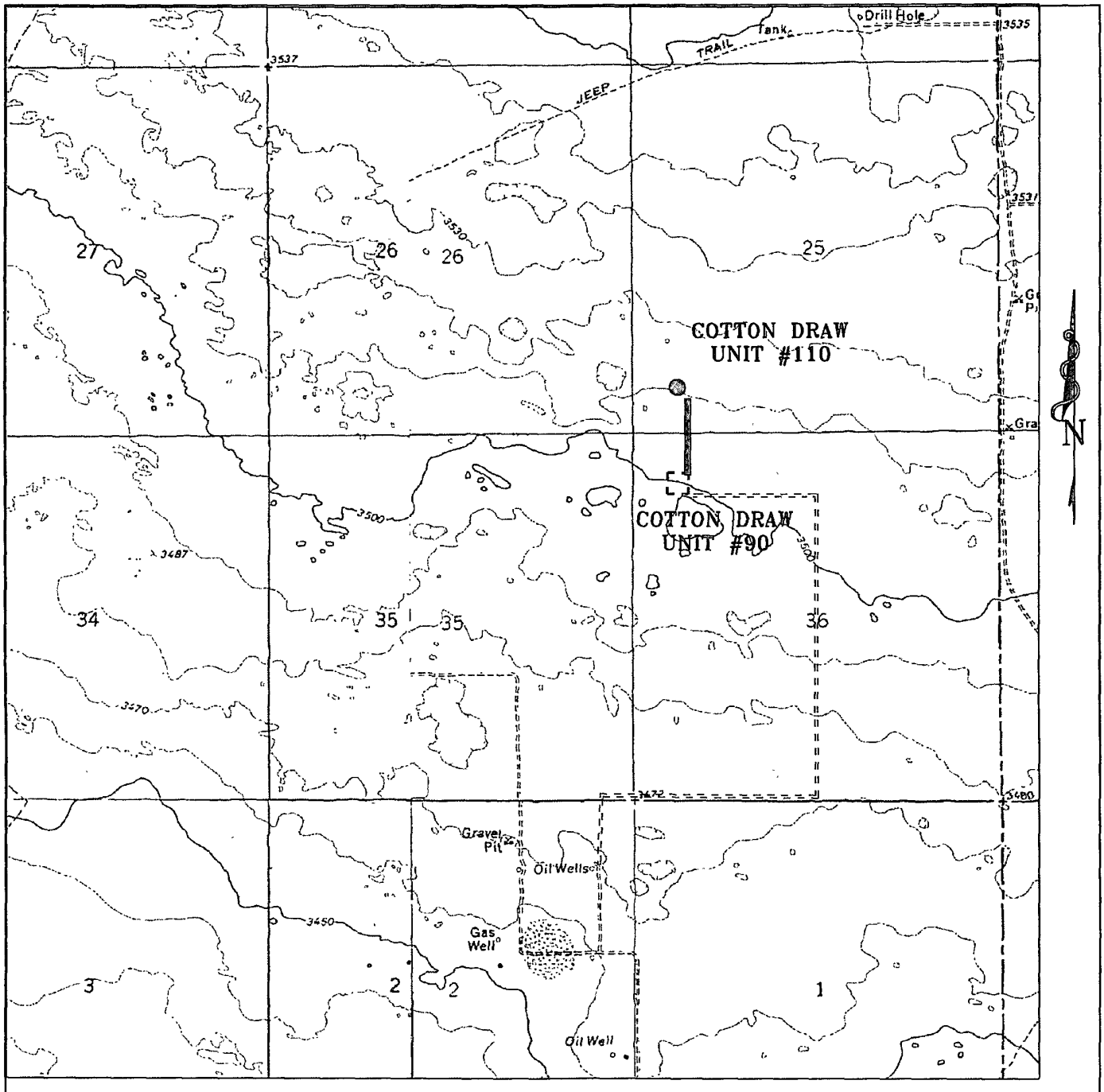
W.O. Number: 19064	Drawn By: J. M. SMALL
Date: 02-12-2008	Disk: 19064W JMS

DEVON ENERGY PROD. CO., L.P.

REF: COTTON DRAW UNIT #110 / WELL PAD TOPO

THE COTTON DRAW UNIT #110 LOCATED 660' FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF SECTION 25, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 02-07-2008 | Sheet 1 of 1 Sheets



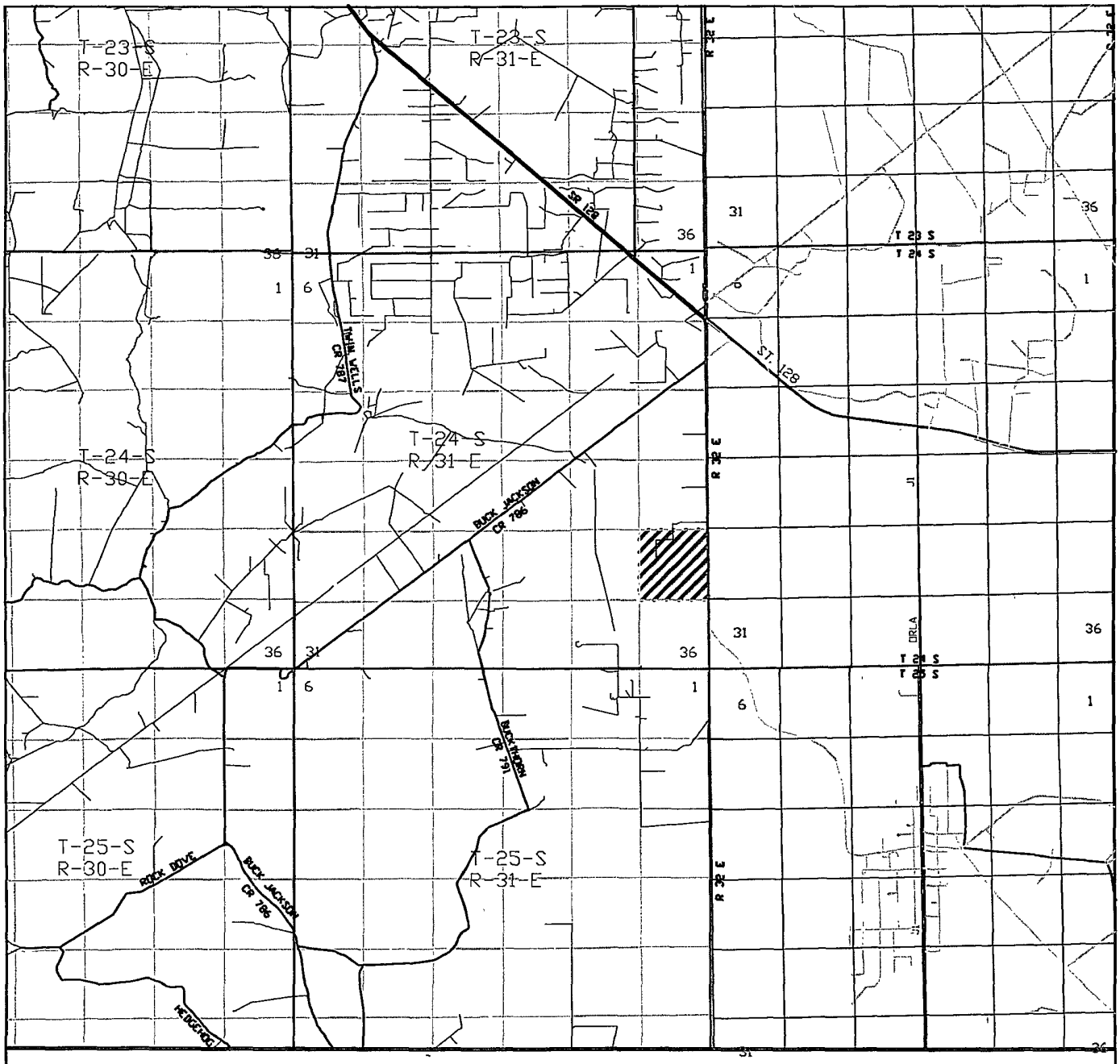
COTTON DRAW UNIT #110
Located at 660' FSL AND 660' FWL
Section 25, Township 24 South, Range 31 East,
N.M.P.M., Eddy County, New Mexico.

basin surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number:	JMS 19064T
Survey Date:	02-07-2008
Scale:	1" = 2000'
Date:	02-12-2008

DEVON ENERGY
PROD. CO., L.P.



COTTON DRAW UNIT #110
Located at 660' FSL AND 660' FWL
Section 25, Township 24 South, Range 31 East,
N.M.P.M., Eddy County, New Mexico.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number: JMS 19064TR
Survey Date: 02-07-2008
Scale: 1" = 2 MILES
Date: 02-12-2008

DEVON ENERGY PROD. CO., L.P.

COTTON DRAW UNIT 110H - SUNDRY

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 – 900	13-3/8"	0 – 900	48#	STC	H-40
12-1/4"	900 – 3,000	9-5/8"	0 – 3,000	36#	LTC	J-55
12-1/4"	3,000 – 4,350	9-5/8"	3,000 – 4,350	40#	LTC	J-55
8-1/2"	4,350 – 7,650	5-1/2"	0 – 7,650	17#	LTC	N-80
8-1/2"	7,650 – 12,350	5-1/2"	7,650 – 12,350	17#	BTC	N-80

Design Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13-3/8"	1.83	4.11	7.45
9-5/8" 36# J-55 LTC	1.29	2.26	2.80
9-5/8" 40# J-55 LTC	1.14	1.75	9.63
5-1/2" 17# N-80 LTC	1.75	2.16	1.66
5-1/2" 17# N-80 BTC	1.62	1.99	5.58

Mud Program:

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 – 900	8.4 – 9.0	30 – 34	N/C	FW
900 – 4,350	9.8 – 10.0	28 – 32	N/C	Brine
4,350 – 12,350	8.6 – 9.0	28 – 32	NC -12	FW

Pressure Control Equipment:

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

The pipe rams 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 annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Cementing Program

13-3/8" Surface

Lead: 615 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: 1,190 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg **Yield**: 2.04 cf/sk **TOC @ surface**

Tail: 300 sacks 60:40 Poz + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Water, 13.8 ppg **Yield**: 1.38 cf/sk.

5-1/2" Production

1st Stage
Lead: 1,250 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 + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 58 3% Fresh Water, 14.2 ppg **Yield**: 1.31 cf/sk

DV TOOL at ~7,600 ft

2nd Stage
Lead: 570 sacks (35:65) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0.4% bwoc FL-52A + 103.2% Fresh Water, 12.5 ppg **Yield**: 1.96 cf/sk **TOC @ 3,850'**

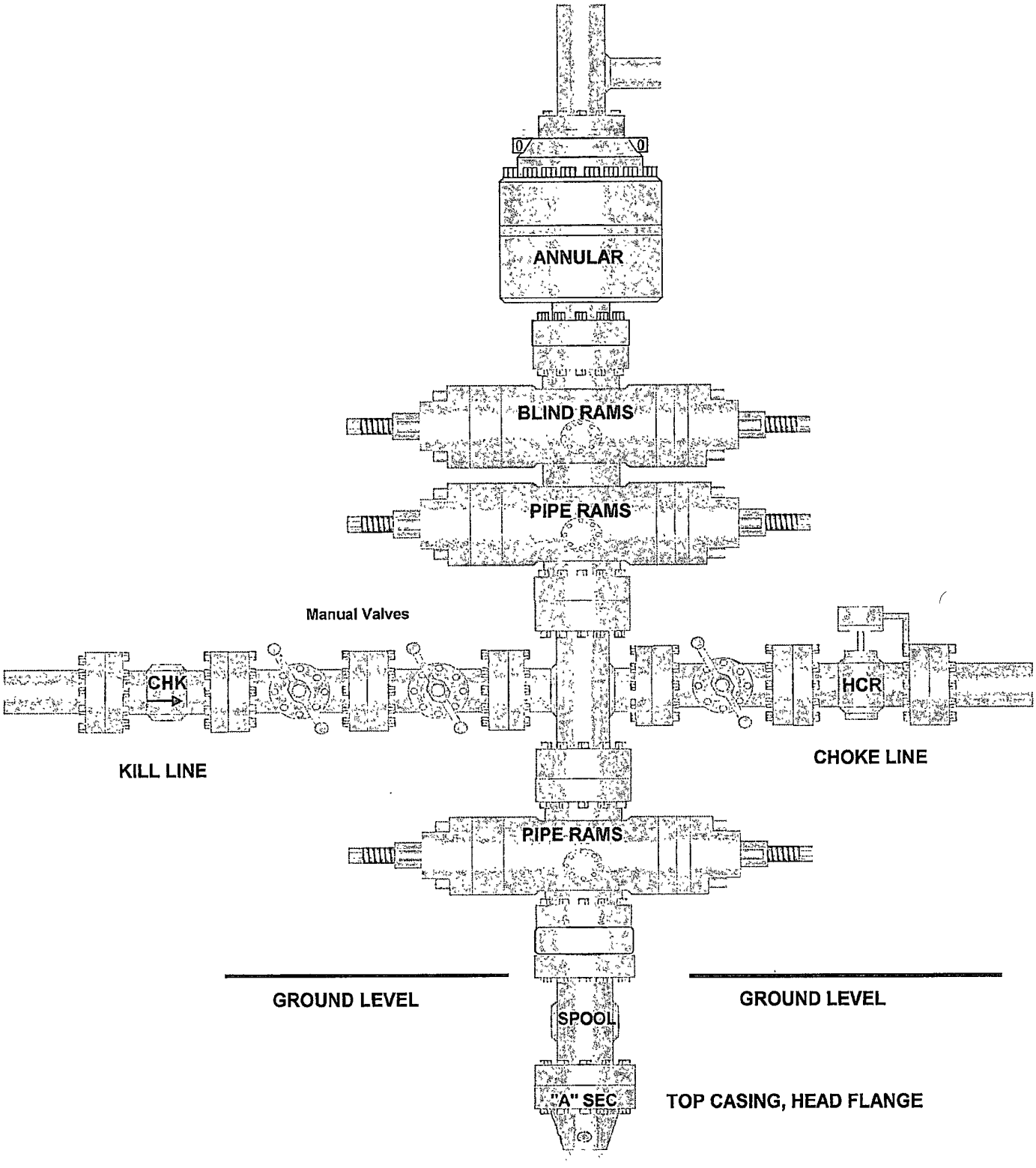
Tail. 375 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg **Yield**. 1.34cf/sk

TOC for All Strings:

Surface:	0'
Intermediate:	0'
Production:	3,850'

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND OPENHOLE LOG CALIPER DATA.

13-5/8" x 5,000 psi BOP Stack



L:\Western\Drilling\Wes Handley\Drawings\5K 2_3 ram BOP 11_13 625 w choke.xls

Proposal No: 215855731A

Devon Energy Corp
Cotton Draw Unit #110H

Sec. 25-24S-31E
Eddy County, New Mexico
February 10, 2010

Well Recommendation

Prepared for:
Mark Cooper
Drilling Engineer
Oklahoma City, Oklahoma
Bus Phone: (405) 228-8264

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: Cotton Draw Unit #110H
Job Description: Surface Casing
Date: February 10, 2010

Proposal No: 215855731A

JOB AT A GLANCE

Depth (TVD)	900 ft
Depth (MD)	900 ft
Hole Size	17.5 in
Casing Size/Weight :	13 3/8in, 48 lbs/ft
Pump Via	13 3/8" O.D. (12.715" .I.D) 48 #
Total Mix Water Required	7,227 gals
Spacer	
Fresh Water	10 bbls
Density	8.3 ppg
Lead Slurry	
Class C + Additives	615 sacks
Density	13.5 ppg
Yield	1.75 cf/sack
Tail Slurry	
Class C	250 sacks
Density	14.8 ppg
Yield	1.35 cf/sack
Displacement	
Mud	135 bbls
Density	9.0 ppg

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Surface Casing
Date: February 10, 2010

Proposal No: 215855731A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
17.500 HOLE	900	900

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
13.375	12.715	48	900	900

Float Collar set @	860 ft
Mud Density	9.00 ppg
Est. Static Temp.	80 ° F
Est. Circ. Temp.	80 ° F

VOLUME CALCULATIONS

703 ft	x	0.6946 cf/ft	with	120 % excess	=	1074.3 cf
197 ft	x	0.6946 cf/ft	with	120 % excess	=	301.1 cf
40 ft	x	0.8818 cf/ft	with	0 % excess	=	35.3 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	1410.7 cf
					=	251 bbls

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Surface Casing
Date: February 10, 2010

Proposal No: 215855731A

FLUID SPECIFICATIONS

Spacer 10.0 bbls Fresh Water @ 8.34 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	1074	/ 1.75	= 615 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water
Tail Slurry	336	/ 1.35	= 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water

Displacement 135.1 bbls Mud @ 9 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	13.50	14.80
Slurry Yield (cf/sack)	1.75	1.35
Amount of Mix Water (gps)	9.17	6.35
Estimated Pumping Time - 70 BC (HH:MM)	3:30	2:30
COMPRESSIVE STRENGTH		
8 hrs @ 80 ° F (psi)		500
12 hrs @ 80 ° F (psi)	400	1475
15 hrs @ 80 ° F (psi)	500	
24 hrs @ 80 ° F (psi)	700	2050

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Intermediate Casing
Date: February 10, 2010

Proposal No: 215855731A

JOB AT A GLANCE

Depth (TVD)	4,350 ft
Depth (MD)	4,350 ft
Hole Size	12.25 in
Casing Size/Weight :	9 5/8 in, 36 lbs/ft 9 5/8 in, 40 lbs/ft
Pump Via	9 5/8" O.D. (8.921" .I.D) 36 # 9 5/8" O.D. (8.835" .I.D) 40 #
Total Mix Water Required	15,307 gals
Spacer	
Fresh Water	10 bbls
Density	8.3 ppg
Lead Slurry	
35:65:6 Poz:Class C	1,190 sacks
Density	12.5 ppg
Yield	2.04 cf/sack
Tail Slurry	
60:40 Poz:Class C (MPA)	300 sacks
Density	13.8 ppg
Yield	1.38 cf/sack
Displacement	
Mud	331 bbls
Density	9.0 ppg

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Intermediate Casing
Date: February 10, 2010

Proposal No: 215855731A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.715 CASING	900	900
12.250 HOLE	4,350	4,350

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.625	8.921	36	3,000	3,000
9.625	8.835	40	4,350	4,350

Float Collar set @	4,310 ft
Mud Density	9.00 ppg
Est. Static Temp.	113 ° F
Est. Circ. Temp.	100 ° F

VOLUME CALCULATIONS

900 ft	x	0.3765 cf/ft	with	0 % excess	=	338.9 cf
2,100 ft	x	0.3132 cf/ft	with	130 % excess	=	1512.7 cf
800 ft	x	0.3132 cf/ft	with	130 % excess	=	576.5 cf
550 ft	x	0.3132 cf/ft	with	130 % excess	=	396.0 cf
40 ft	x	0.4257 cf/ft	with	0 % excess	=	17.0 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	2841.0 cf
					=	506 bbls

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Intermediate Casing
Date: February 10, 2010

Proposal No: 215855731A

FLUID SPECIFICATIONS

Spacer 10.0 bbls Fresh Water @ 8.34 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	2428	/ 2.04	= 1190 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
Tail Slurry	413	/ 1.38	= 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

Displacement 331.3 bbls Mud @ 9 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	12.50	13.80
Slurry Yield (cf/sack)	2.04	1.38
Amount of Mix Water (gps)	11.24	6.44
Estimated Pumping Time - 70 BC (HH:MM)	4:25	2:45
COMPRESSIVE STRENGTH		
7 hrs @ 107 ° F (psi)		500
12 hrs @ 107 ° F (psi)	325	1342
17.3 hrs @ 107 ° F (psi)	500	
24 hrs @ 107 ° F (psi)	637	2076

ACTUAL CEMENT VOLUME MAY VARY BASED ON FLUID CALIPER.

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Long String
Date: February 10, 2010

Proposal No: 215855731A

JOB AT A GLANCE

Depth (TVD)	8,305 ft
Depth (MD)	12,350 ft
Hole Size	8.5 in
Casing Size/Weight :	5 1/2 in, 17 lbs/ft
Pump Via	5 1/2" O.D. (4.892" .I.D) 17 #
Total Mix Water Required	15,809 gals
Stage No: 1	**Float Collar set @** 12,310 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
Cement Slurry	
50:50 Poz:Class H	1,250 sacks
Density	14.2 ppg
Yield	1.31 cf/sack
Displacement	
Displacement Fluid	286 bbls

JOB AT A GLANCE (Continued)

Stage No: 2	**Stage Collar set @** 7,600 ft
Spacer	
Fresh Water	20 bbls
Density	8.3 ppg
Lead Slurry	
35:65:6 Poz:Class C	570 sacks
Density	12.5 ppg
Yield	1.96 cf/sack
Tail Slurry	
60:40 Poz:Class C (MPA)	375 sacks
Density	13.8 ppg
Yield	1.34 cf/sack
Displacement	
Displacement Fluid	177 bbls

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Long String
Date: February 10, 2010

Proposal No: 215855731A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.921 CASING	3,000	3,000
8.835 CASING	4,350	4,350
8.500 HOLE	12,350	8,305

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.892	17	12,350	8,305

STAGE: 1

Float Collar set @	12,310 ft
Mud Density	9.20 ppg
Est. Static Temp.	142 ° F
Est. Circ. Temp.	142 ° F

VOLUME CALCULATIONS

4,750 ft	x	0.2291 cf/ft	with	50 % excess	=	1632.2 cf
40 ft	x	0.1305 cf/ft	with	0 % excess	=	5.2 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	1637.4 cf
					=	292 bbls

STAGE: 2

Stage Collar set @	7,600 ft
Mud Density	9.20 ppg
Est. Static Temp.	137 ° F
Est. Circ. Temp.	121 ° F

VOLUME CALCULATIONS

500 ft	x	0.2607 cf/ft	with	0 % excess	=	130.4 cf
2,150 ft	x	0.2291 cf/ft	with	100 % excess	=	985.0 cf
1,100 ft	x	0.2291 cf/ft	with	100 % excess	=	504.0 cf
				TOTAL SLURRY VOLUME	=	1619.4 cf
					=	289 bbls

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Long String
Date: February 10, 2010

Proposal No: 215855731A

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
Cement Slurry	1637	/ 1.31	= 1250 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 + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 58.3% Fresh Water
Displacement			286.2 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1
Slurry Weight (ppg)	14.20
Slurry Yield (cf/sack)	1.31
Amount of Mix Water (gps)	5.88
Estimated Pumping Time - 70 BC (HH:MM)	4:00
Free Water (mls) @ 140 ° F @ 90 ° angle	0.0
Fluid Loss (cc/30min) at 1000 psi and 140 ° F	50.0
COMPRESSIVE STRENGTH	
12 hrs @ 140 ° F (psi)	250
24 hrs @ 140 ° F (psi)	1500
72 hrs @ 140 ° F (psi)	2000

Operator Name: Devon Energy Corp
Well Name: Cotton Draw Unit #110H
Job Description: Long String
Date: February 10, 2010

Proposal No: 215855731A

FLUID SPECIFICATIONS (Continued)

STAGE NO.: 2

Spacer				20.0 bbls Fresh Water @ 8.34 ppg
Lead Slurry	1115	/ 1.96	=	570 sacks (35:65) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 0.4% bwoc FL-52A + 103.2% Fresh Water
Tail Slurry	504	/ 1.34	=	375 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water
Displacement				176.7 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	12.50	13.80
Slurry Yield (cf/sack)	1.96	1.34
Amount of Mix Water (gps)	10.76	6.21
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 @ 116 ° F (psi)	300	800
24 hrs @ 116 ° F (psi)	650	1900
72 hrs @ 116 ° F (psi)	900	2700

CEMENT VOLUMES MAY VARY BASED ON CALIPER.

Weatherford®

Drilling Services

Proposal

devon

COTTON DRAW UNIT #110H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

FEBRUARY 8, 2010

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

devon

COTTON DRAW UNIT #110H
EDDY CO., NEW MEXICO

Rig H&P 214

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.66	0.00	0.00	0.00	0.00	0.00	0.00	
2	7732.04	0.00	359.66	7732.04	0.00	0.00	0.00	0.00	0.00	
3	8632.04	90.00	359.66	8305.00	572.95	-3.39	10.00	359.66	572.96	
4	12349.71	90.00	359.66	8305.00	4290.55	-25.42	0.00	0.00	4290.63	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cotton Draw Unit #110H	0.00	0.00	430785.29	725547.06	32°10'58.449N	103°44'16.477W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	8305.00	4290.55	-25.42	435075.84	725521.65	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

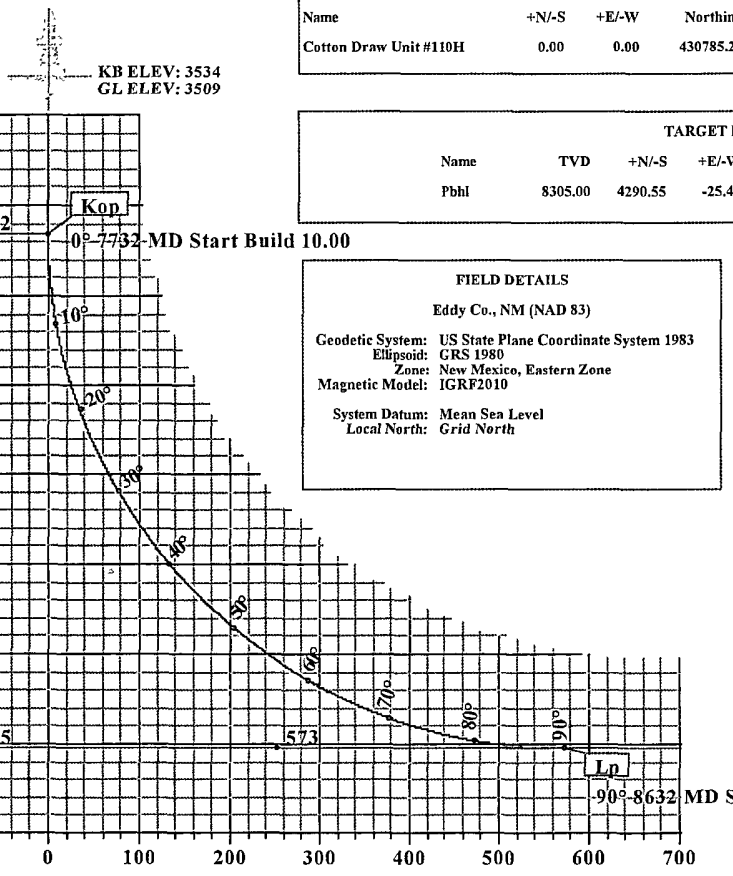
System Datum: Mean Sea Level
Local North: Grid North

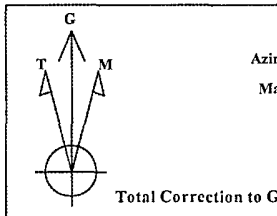
SITE DETAILS

Cotton Draw Unit #110H

Site Centre Northing: 430785.29
Easting: 725547.06

Ground Level: 3509.00
Positional Uncertainty: 0.00
Convergence: 0.32



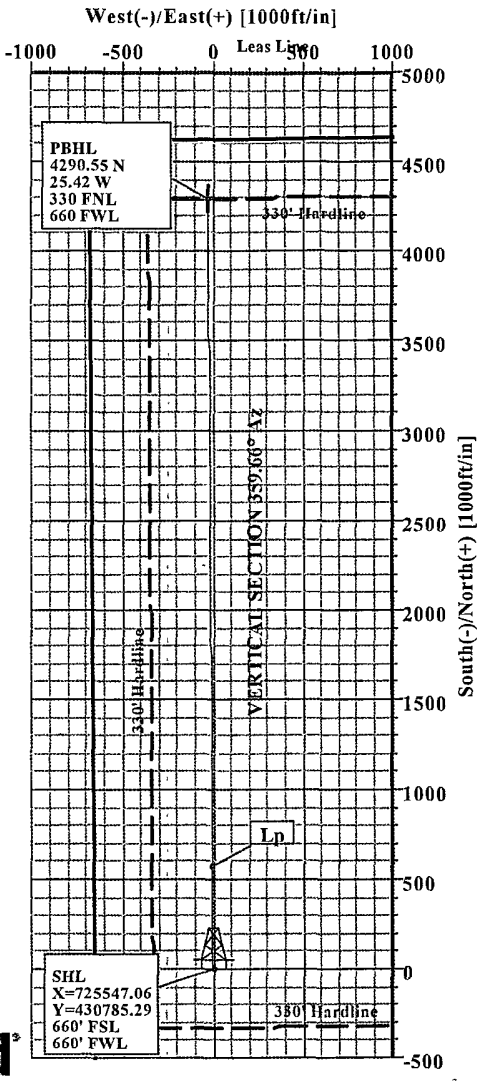


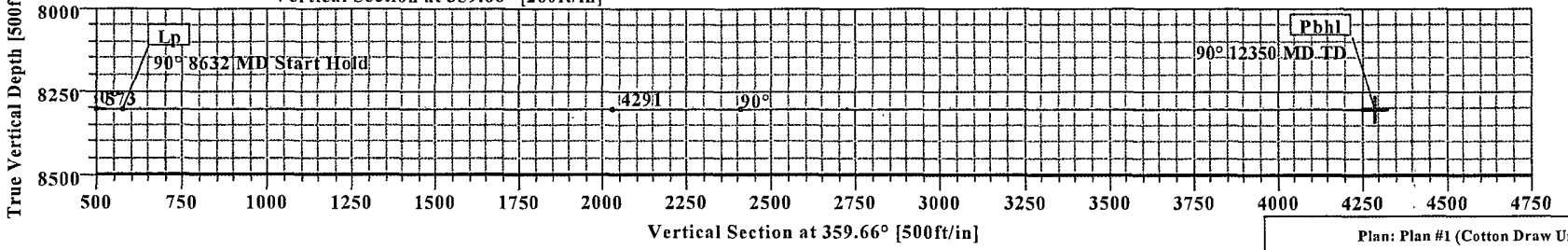
Azimuths to Grid North
True North: -0.32°
Magnetic North: 7.51°

Magnetic Field
Strength: 48733nT
Dip Angle: 60.15°
Date: 2/9/2010
Model: IGRF2010

Total Correction to Grid North: 7.51°

Weatherford®





Plan: Plan #1 (Cotton Draw Unit #110H/1)

Created By: Russell W Joyner Date: 2/9/2010

Weatherford International Ltd.

WFT Plan Report - Geographic

Company:	Devon Energy	**Date:** 2/9/2010	**Time:** 08:01:21	**Page:**	1
Field:	Eddy Co., NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Cotton Draw Unit #110H, Grid North		
Site:	Cotton Draw Unit #110H	**Vertical (TVD) Reference:**	SITE 3534.0		
Well:	Cotton Draw Unit #110H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.66Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: Eddy Co., NM (NAD 83)

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Well Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	IGRF2010

Site: Cotton Draw Unit #110H

Site Position:		**Northing:**	430785.29 ft	**Latitude:**	32 10 58.449 N
From:	Map	**Easting:**	725547.06 ft	**Longitude:**	103 44 16.477 W
Position Uncertainty:	0.00 ft			**North Reference:**	Grid
Ground Level:	3509.00 ft			**Grid Convergence:**	0.32 deg

Well: Cotton Draw Unit #110H **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	430785.29 ft	**Latitude:**	32 10 58.449 N
	+E/-W	0.00 ft	**Easting:**	725547.06 ft	**Longitude:**	103 44 16.477 W
Position Uncertainty:		0.00 ft				

Wellpath: 1

				Drilled From:	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height**	3534.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	2/9/2010			**Declination:**	7.83 deg
Field Strength:	48733 nT			**Mag Dip Angle:**	60.15 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	359.66

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	359.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7732.04	0.00	359.66	7732.04	0.00	0.00	0.00	0.00	0.00	0.00	
8632.04	90.00	359.66	8305.00	572.95	-3.39	10.00	10.00	0.00	359.66	
12349.71	90.00	359.66	8305.00	4290.55	-25.42	0.00	0.00	0.00	0.00	Pbhl

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7700.00	0.00	359.66	7700.00	0.00	0.00	0.00	0.00	430785.29	725547.06	
7732.04	0.00	359.66	7732.04	0.00	0.00	0.00	0.00	430785.29	725547.06	Kop
7800.00	6.80	359.66	7799.84	4.03	-0.02	4.03	10.00	430789.32	725547.04	
7900.00	16.80	359.66	7897.60	24.44	-0.14	24.44	10.00	430809.73	725546.92	
8000.00	26.80	359.66	7990.34	61.52	-0.36	61.52	10.00	430846.81	725546.70	
8100.00	36.80	359.66	8075.22	114.15	-0.68	114.15	10.00	430899.44	725546.39	
8200.00	46.80	359.66	8149.68	180.71	-1.07	180.71	10.00	430966.00	725545.99	
8300.00	56.80	359.66	8211.45	259.19	-1.54	259.19	10.00	431044.48	725545.53	
8400.00	66.80	359.66	8258.65	347.20	-2.06	347.21	10.00	431132.49	725545.01	
8500.00	76.80	359.66	8289.85	442.07	-2.62	442.08	10.00	431227.36	725544.44	
8600.00	86.80	359.66	8304.10	540.92	-3.20	540.93	10.00	431326.21	725543.86	
8632.04	90.00	359.66	8305.00	572.95	-3.39	572.96	10.00	431358.24	725543.67	Lp
8700.00	90.00	359.66	8305.00	640.90	-3.80	640.92	0.00	431426.19	725543.27	
8800.00	90.00	359.66	8305.00	740.90	-4.39	740.92	0.00	431526.19	725542.67	
8900.00	90.00	359.66	8305.00	840.90	-4.98	840.92	0.00	431626.19	725542.08	
9000.00	90.00	359.66	8305.00	940.90	-5.57	940.92	0.00	431726.19	725541.49	
9100.00	90.00	359.66	8305.00	1040.90	-6.17	1040.92	0.00	431826.19	725540.90	
9200.00	90.00	359.66	8305.00	1140.90	-6.76	1140.92	0.00	431926.19	725540.30	
9300.00	90.00	359.66	8305.00	1240.89	-7.35	1240.92	0.00	432026.18	725539.71	
9400.00	90.00	359.66	8305.00	1340.89	-7.94	1340.92	0.00	432126.18	725539.12	

devon

Weatherford International Ltd.

WFT Plan Report - Geographic

Weatherford

Company:	Devon Energy	**Date:** 2/9/2010 **Time:** 08:01:21	**Page:** 2
Field:	Eddy Co., NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Cotton Draw Unit #110H, Grid North
Site:	Cotton Draw Unit #110H	**Vertical (TVD) Reference:**	SITE 3534.0
Well:	Cotton Draw Unit #110H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.66Azi)
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9500.00	90.00	359.66	8305.00	1440.89	-8.54	1440.92	0.00	432226.18	725538.53	
9600.00	90.00	359.66	8305.00	1540.89	-9.13	1540.92	0.00	432326.18	725537.94	
9700.00	90.00	359.66	8305.00	1640.89	-9.72	1640.92	0.00	432426.18	725537.34	
9800.00	90.00	359.66	8305.00	1740.89	-10.31	1740.92	0.00	432526.18	725536.75	
9900.00	90.00	359.66	8305.00	1840.88	-10.91	1840.92	0.00	432626.17	725536.16	
10000.00	90.00	359.66	8305.00	1940.88	-11.50	1940.92	0.00	432726.17	725535.57	
10100.00	90.00	359.66	8305.00	2040.88	-12.09	2040.92	0.00	432826.17	725534.97	
10200.00	90.00	359.66	8305.00	2140.88	-12.68	2140.92	0.00	432926.17	725534.38	
10300.00	90.00	359.66	8305.00	2240.88	-13.28	2240.92	0.00	433026.17	725533.79	
10400.00	90.00	359.66	8305.00	2340.87	-13.87	2340.92	0.00	433126.16	725533.20	
10500.00	90.00	359.66	8305.00	2440.87	-14.46	2440.92	0.00	433226.16	725532.60	
10600.00	90.00	359.66	8305.00	2540.87	-15.05	2540.92	0.00	433326.16	725532.01	
10700.00	90.00	359.66	8305.00	2640.87	-15.65	2640.92	0.00	433426.16	725531.42	
10800.00	90.00	359.66	8305.00	2740.87	-16.24	2740.92	0.00	433526.16	725530.83	
10900.00	90.00	359.66	8305.00	2840.87	-16.83	2840.92	0.00	433626.16	725530.23	
11000.00	90.00	359.66	8305.00	2940.86	-17.42	2940.92	0.00	433726.15	725529.64	
11100.00	90.00	359.66	8305.00	3040.86	-18.02	3040.92	0.00	433826.15	725529.05	
11200.00	90.00	359.66	8305.00	3140.86	-18.61	3140.92	0.00	433926.15	725528.46	
11300.00	90.00	359.66	8305.00	3240.86	-19.20	3240.92	0.00	434026.15	725527.86	
11400.00	90.00	359.66	8305.00	3340.86	-19.79	3340.92	0.00	434126.15	725527.27	
11500.00	90.00	359.66	8305.00	3440.86	-20.39	3440.92	0.00	434226.15	725526.68	
11600.00	90.00	359.66	8305.00	3540.85	-20.98	3540.92	0.00	434326.14	725526.09	
11700.00	90.00	359.66	8305.00	3640.85	-21.57	3640.92	0.00	434426.14	725525.49	
11800.00	90.00	359.66	8305.00	3740.85	-22.16	3740.92	0.00	434526.14	725524.90	
11900.00	90.00	359.66	8305.00	3840.85	-22.75	3840.92	0.00	434626.14	725524.31	
12000.00	90.00	359.66	8305.00	3940.85	-23.35	3940.92	0.00	434726.14	725523.72	
12100.00	90.00	359.66	8305.00	4040.84	-23.94	4040.92	0.00	434826.13	725523.12	
12200.00	90.00	359.66	8305.00	4140.84	-24.53	4140.92	0.00	434926.13	725522.53	
12300.00	90.00	359.66	8305.00	4240.84	-25.12	4240.92	0.00	435026.13	725521.94	
12349.71	90.00	359.66	8305.00	4290.55	-25.42	4290.63	0.00	435075.84	725521.65	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<---- Longitude ---> Deg Min Sec
Pbhl			8305.00	4290.55	-25.42	435075.84	725521.65	32 11 40.908 N	103 44 16.497 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
7732.04	7732.04	Kop
8632.04	8305.00	Lp
12349.71	8305.00	Pbhl

Weatherford International Ltd.

WFT Plan Report - Geographic

Company:	Devon Energy	**Date:**	2/9/2010	**Time:** 08:01:21	**Page:** 3
Field:	Eddy Co., NM (NAD 83)	**Co-ordinate(NE) Reference:**	Well: Cotton Draw Unit #110H, Grid North		
Site:	Cotton Draw Unit #110H	**Vertical (TVD) Reference:**	SITE 3534.0		
Well:	Cotton Draw Unit #110H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.66Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Weatherford Drilling Services

GeoDec v5.03

Report Date:	February 09, 2010
Job Number:	
Customer:	Devon Energy
Well Name:	Cotton Draw Unit #110H
API Number:	
Rig Name:	
Location:	Eddy Co, NM
Block:	
Engineer:	R Joyner

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 430785.290 USFT	Latitude 32.1829049 DEG
East/West 725547.064 USFT	Longitude -103.7379057 DEG
Grid Convergence: .32°	
Total Correction: +7.51°	

Geodetic Location WGS84	Elevation = 0.0 Meters	
Latitude =	32.18290° N	32° 10 min 58.458 sec
Longitude =	103.73791° W	103° 44 min 16.460 sec

Magnetic Declination =	7.83°	[True North Offset]	
Local Gravity =	.9988 g	CheckSum =	6577
Local Field Strength =	48729 nT	Magnetic Vector X =	24026 nT
Magnetic Dip =	60.15°	Magnetic Vector Y =	3302 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42266 nT
Spud Date =	Feb 09, 2010	Magnetic Vector H =	24252 nT

Signed:_____ Date:_____

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Devon**
LEASE NO.:	**NMNM-0121121**
WELL NAME & NO.:	**Cotton Draw Unit 110**
SURFACE HOLE FOOTAGE:	**660' FSL & 660' FWL**
BOTTOM HOLE FOOTAGE	**330' FNL & 660' FWL**
LOCATION:	**Section 25, T. 24 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 Hydrogen Sulfide has not been reported in this section, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM.**

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

4. **The record of the drilling rate along with the CAL/GR/N well log run from TD to surface will be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.**

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.

~~**Centralizers required on surface casing per Onshore Order 2.III.B.1.f.**~~

Wait on cement (WOC) time 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. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible lost circulation in Delaware, Bone Spring
Possible H2O flows in Castile, Salado, Delaware, Bone Spring

1. The **13-3/8** inch surface casing shall be set **at approximately 900 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface. **Fresh water mud to be used to setting depth.**

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

    b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

☒ Cement to surface. If cement does not circulate see B.1.a-d above.

Centralizers required on horizontal leg, must be type for horizontal service and minimum of one every other joint.

3. The minimum required fill of cement behind the **5-1/2** 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 should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

4. 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.

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 surface casing shoe shall be **3000 (3M)** psi. **Operator installing a 5M system and testing as a 3M.**

a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi. **5M 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.**

4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. Casing cut-off and BOP installation will not be initiated until the cement has had 4-6 hours of setup time in a water basin and 12 hours in the potash areas. This time will start after the cement plug is bumped. Testing the BOP/BOPE against a plug can commence after meeting the above conditions plus the BOP installation time.

    b. The tests shall be done by an independent service company utilizing a test plug.

    c. The results of the test shall be reported to the appropriate BLM office.

    d. 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.**

    e. 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. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

CRW 021710