

10-11-11	SUSPENSE	ENGINEER DB	LOGGED IN 10/12/11	TYPE NSL	APP NO 1128552409
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



Devon
Cotton Draw - V# 113H
6499

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or
 [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Sam McCurdy
 Print or Type Name

Signature

Title

Date

Landman
 10/10/2011
 Sam.McCurdy@devn.com
 e-mail Address

RECEIVED OCT 11 A 37

State
 Eddy



Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Fax: 405-552-8113

FAX

To: David Brooks

From: Sam McCurdy
Office: 405-228-2406

Fax: 505-476-3462

Date: October 10, 2011

Phone:

Pages: 12 (including cover page)

Re: Cotton Draw Unit #113H

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

-
- Comments: Attached please find Devon's NSL application for the above referenced well.

RECEIVED 000
2011 OCT 11 A 7:37



Sam McCurdy
Landman

Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Phone 405-228-2406
Fax 405-552-8113

October 10, 2011

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: David Brooks

RE: Cotton Draw Unit #113H
SHL: 220' FSL & 660' FWL
BHL: 200' FNL & 1310' FEL
Section 36 T24S-R31E,
Eddy County, New Mexico

Gentlemen:

Devon Energy Production Company, L.P. ("Devon"), as Operator, intends to drill the referenced horizontal Delaware formation well to a TVD of 8,245' and a TMD of 12,660'. Devon will penetrate the target formation at a non-standard location in an effort to maximize the productive length of the wellbore. Devon will penetrate the top of the target Delaware formation at a non-standard location of 220' FSL & 660' FWL. After penetrating the Delaware formation at the above listed location, Devon will continue drilling through the referenced formation with the horizontal portion of the wellbore until reaching a non-standard BHL of 200' FNL & 1310' FNL.

By spotting the surface hole location 220' from the section line, this allows for room to build the curve and land horizontally in order to produce from a standard location within the target Delaware interval. Since this is within the Cotton Draw Unit Delaware B Participating Area boundary and ownership throughout the Participating Area is uniform, Devon intends to perforate the well up to the BHL. According to Division rules, the above mentioned penetration points would be classified as non-standard locations.

Devon respectfully requests that the Commission administratively approve this application for a non-standard location in accordance with Division Rule 104(F) (3). This non-standard surface hole location affects the leasehold owner of the rights in Unit letter D of Section 1-T25S-R31E, Eddy County, NM, and the non-standard BHL affects the leasehold owner of the rights in Unit letters M & N of Section 25S-R31E, Eddy County, NM. The ownership in all affected units is the same as the ownership in the wells; therefore no additional notification should be required as only working interest parties are affected.

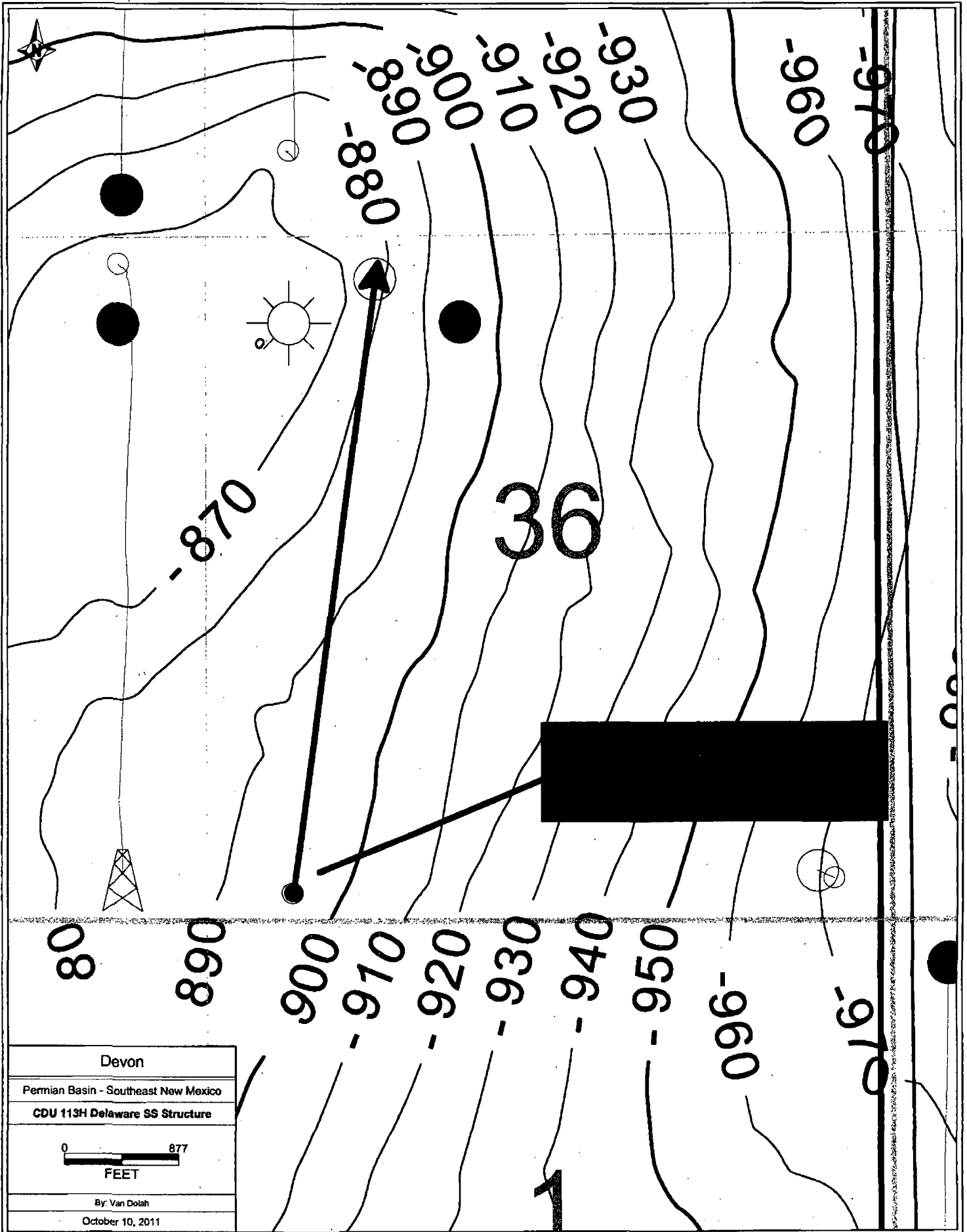
Attached for your review you will find a structure map on top of the Delaware formation, Weatherford Drilling Services drilling plans, a land plat reflecting the affected parties and a State of New Mexico form C-102.

Feel free to contact the undersigned at (405) 228-2406 if there are any concerns or questions regarding this application.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

A handwritten signature in dark ink, appearing to read "S. McCurdy".
Sam McCurdy
Landman



Devon
Permian Basin - Southeast New Mexico
CDU 113H Delaware SS Structure
0 877 FEET
By: Van Dolah
October 10, 2011



Weatherford[®]

Drilling Services

Proposal



devon

COTTON DRAW UNIT 113H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

OCTOBER 5, 2011

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Cotton Draw Unit #113H
Eddy Co., NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	
2	7667.05	0.00	7.50	7667.05	0.00	0.00	0.00	0.00	0.00	
3	8564.39	89.73	7.50	8240.00	585.41	74.46	10.00	7.50	579.30	Pbh
4	12871.02	89.73	7.50	8260.00	4835.13	636.78	0.00	0.00	4876.88	Pbh

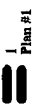
WELL DETAILS

Name	+N-S	+E-W	North	East	Latitude	Longitude	Slot
CDU #113H	0.00	0.00	425101.57	725560.96	32°10'02.205N	103°44'16.682W	N/A

TARGET DETAILS

Name	TVD	+N-S	+E-W	North	East	Latitude	Longitude	Shape
Pbh	8260.00	4835.13	636.78	429936.70	726197.74	32°10'50.016N	103°44'08.961W	Point

LEGEND



SITE DETAILS

Cotton Draw Unit #113H

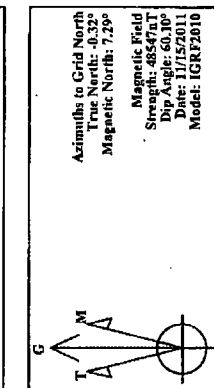
Site Centre Northing: 425101.57

East: 725560.96

Ground Level: 3472.00

Positional Uncertainty: 0.00

Convergence: 0.32



Total Correction to Grid North: 7.29°

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983

Ellipsoid: GRS 1980

Zone: New Mexico, Eastern Zone

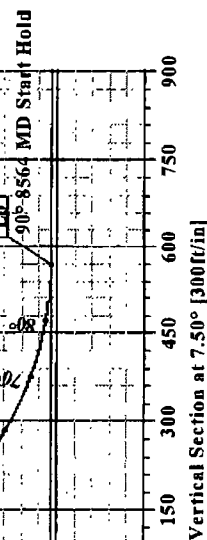
Magnetic Model: IGRF2010

System Datum: Mean Sea Level

Local North: Grid North



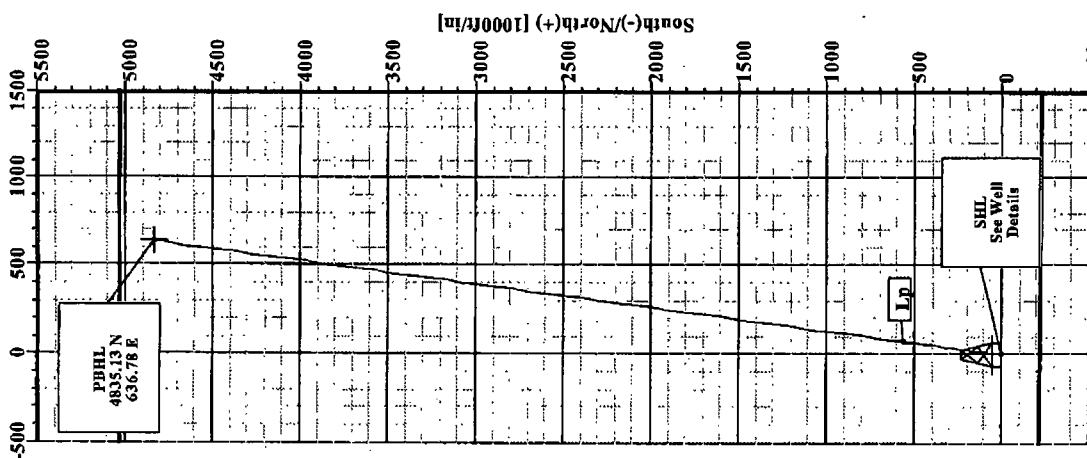
True Vertical Depth [300ft/in]



True Vertical Depth [500ft/in]



West(-)/East(+) [1000ft/in]



Plan: Plan #1 (CDU #113H)

Created By: Russell W. Joyner

Date: 10/4/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's


Weatherford

Company: Devon Energy		Date: 10/4/2011		Time: 14:28:31		Page: 1	
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: CDU #113H Grid North		Well: CDU #113H		Site: SITE 3498.0	
Site: Cotton Draw Unit #113H		Vertical (TVD) Reference: Well (0.00N,0.00E,7.50Az)		Section (VS) Reference: Well (0.00N,0.00E,7.50Az)		Survey Calculation Method: Minimum Curvature	
Wellpath: 1		Survey Calculation Method: Minimum Curvature		Db: Sybase			

Plan: Plan #1	Date Composed: 10/4/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co., NM (NAD 83)
Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level
Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Cotton Draw Unit #113H		
Site Position:	Northing: 425101.57 ft	Latitude: 32 10 2.205 N
From: Map	Easting: 725560.96 ft	Longitude: 103 44 16.682 W
Position Uncertainty: 0.00 ft	North Reference: Grid	Grid Convergence: 0.32 deg
Ground Level: 3472.00 ft		

Well: CDU #113H	Slot Name:
Well Position: +N-S 0.00 ft	Northing: 425101.57 ft
+E-W 0.00 ft	Easting: 725560.96 ft
Position Uncertainty: 0.00 ft	Latitude: 32 10 2.205 N
	Longitude: 103 44 16.682 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 11/15/2011	Above System Datum: Mean Sea Level
Field Strength: 48547 nT	Declination: 7.61 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.10 deg
ft	+N-S ft
0.00	0.00
	+E-W ft
	0.00
	Direction deg
	7.50

Plan Section Information										
MD	Incl	Azim	TVD	+N-S	+E-W	DLS	Build	Turn	STFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7667.05	0.00	7.50	7667.05	0.00	0.00	0.00	0.00	0.00	0.00	
8564.39	89.73	7.50	8240.00	565.41	74.46	10.00	10.00	0.00	7.50	
12871.02	89.73	7.50	8260.00	4835.13	636.78	0.00	0.00	0.00	0.00	Pbhl

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
7600.00	0.00	7.50	7600.00	0.00	0.00	0.00	0.00	425101.57	725560.96	
7667.05	0.00	7.50	7667.05	0.00	0.00	0.00	0.00	425101.57	725560.96	Kop
7700.00	3.30	7.50	7699.98	0.94	0.12	0.95	10.00	425102.51	725561.08	
7800.00	13.30	7.50	7798.81	15.22	2.01	15.36	10.00	425116.79	725562.97	
7900.00	23.30	7.50	7893.63	46.31	6.10	46.71	10.00	425147.88	725567.06	
8000.00	33.30	7.50	7981.58	93.24	12.28	94.05	10.00	425194.81	725573.24	
8100.00	43.30	7.50	8059.96	154.61	20.36	155.94	10.00	425256.18	725581.32	
8200.00	53.30	7.50	8126.40	228.53	30.10	230.50	10.00	425330.10	725591.06	
8300.00	63.30	7.50	8178.89	312.77	41.19	315.47	10.00	425414.34	725602.15	
8400.00	73.30	7.50	8215.83	404.77	53.31	408.26	10.00	425506.34	725614.27	
8500.00	83.30	7.50	8236.09	501.73	66.08	506.06	10.00	425603.30	725627.04	
8564.39	89.73	7.50	8240.00	565.41	74.46	570.30	10.00	425666.98	725635.42	Lp
8600.00	89.73	7.50	8240.17	600.72	79.11	605.91	0.00	425702.29	725640.07	
8700.00	89.73	7.50	8240.63	699.86	92.17	705.91	0.00	425801.43	725653.13	
8800.00	89.73	7.50	8241.10	799.01	105.23	805.91	0.00	425900.58	725666.19	
8900.00	89.73	7.50	8241.56	898.15	118.28	905.90	0.00	425999.72	725679.24	
9000.00	89.73	7.50	8242.02	997.29	131.34	1005.90	0.00	426098.86	725692.30	



Weatherford International Ltd.

WFT Plan Report - X & Y's


Weatherford

Company: Devon Energy
 Field: Eddy Co., NM (NAD 83)
 Site: Cotton Draw Unit #113H
 Well: CDU #113H
 Wellpath: 1

Date: 10/4/2011
 Co-ordinate(NE) Reference:
 Vertical(TVD) Reference:
 Section (VS) Reference:
 Survey Calculation Method:

Time: 14:28:31
 Well: CDU #113H, Grid North
 SITE 3498.0
 Well (0.00N,0.00E,7.50Azi)
 Minimum Curvature

Page: 2
 Dir: 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
9100.00	89.73	7.50	8242.49	1096.43	144.40	1105.90	0.00	426198.00	725705.36	
9200.00	89.73	7.50	8242.95	1195.58	157.46	1205.90	0.00	426297.15	725718.42	
9300.00	89.73	7.50	8243.42	1294.72	170.51	1305.90	0.00	426396.29	725731.47	
9400.00	89.73	7.50	8243.88	1393.86	183.57	1405.90	0.00	426495.43	725744.53	
9500.00	89.73	7.50	8244.35	1493.01	196.63	1505.90	0.00	426594.58	725757.59	
9600.00	89.73	7.50	8244.81	1592.15	209.68	1605.90	0.00	426693.72	725770.64	
9700.00	89.73	7.50	8245.27	1691.29	222.74	1705.90	0.00	426792.86	725783.70	
9800.00	89.73	7.50	8245.74	1790.43	235.80	1805.89	0.00	426892.00	725796.76	
9900.00	89.73	7.50	8246.20	1889.58	248.85	1905.89	0.00	426991.15	725809.81	
10000.00	89.73	7.50	8246.67	1988.72	261.91	2005.89	0.00	427090.29	725822.87	
10100.00	89.73	7.50	8247.13	2087.86	274.97	2105.89	0.00	427189.43	725835.93	
10200.00	89.73	7.50	8247.60	2187.01	288.03	2205.89	0.00	427288.58	725848.99	
10300.00	89.73	7.50	8248.06	2286.15	301.08	2305.89	0.00	427387.72	725862.04	
10400.00	89.73	7.50	8248.53	2385.29	314.14	2405.89	0.00	427486.86	725875.10	
10500.00	89.73	7.50	8248.99	2484.43	327.20	2505.89	0.00	427586.00	725888.16	
10600.00	89.73	7.50	8249.45	2583.58	340.25	2605.89	0.00	427685.15	725901.21	
10700.00	89.73	7.50	8249.92	2682.72	353.31	2705.88	0.00	427784.29	725914.27	
10800.00	89.73	7.50	8250.38	2781.86	366.37	2805.88	0.00	427883.43	725927.33	
10900.00	89.73	7.50	8250.85	2881.01	379.42	2905.88	0.00	427982.58	725940.38	
11000.00	89.73	7.50	8251.31	2980.15	392.48	3005.88	0.00	428081.72	725953.44	
11100.00	89.73	7.50	8251.78	3079.29	405.54	3105.88	0.00	428180.86	725966.50	
11200.00	89.73	7.50	8252.24	3178.43	418.60	3205.88	0.00	428280.00	725979.56	
11300.00	89.73	7.50	8252.70	3277.58	431.65	3305.88	0.00	428379.15	725992.61	
11400.00	89.73	7.50	8253.17	3376.72	444.71	3405.88	0.00	428478.29	726005.67	
11500.00	89.73	7.50	8253.63	3475.86	457.77	3505.88	0.00	428577.43	726018.73	
11600.00	89.73	7.50	8254.10	3575.00	470.82	3605.88	0.00	428676.57	726031.78	
11700.00	89.73	7.50	8254.56	3674.15	483.88	3705.87	0.00	428775.72	726044.84	
11800.00	89.73	7.50	8255.03	3773.29	496.94	3805.87	0.00	428874.86	726057.90	
11900.00	89.73	7.50	8255.49	3872.43	509.99	3905.87	0.00	428974.00	726070.95	
12000.00	89.73	7.50	8255.96	3971.58	523.05	4005.87	0.00	429073.15	726084.01	
12100.00	89.73	7.50	8256.42	4070.72	536.11	4105.87	0.00	429172.29	726097.07	
12200.00	89.73	7.50	8256.88	4169.86	549.17	4205.87	0.00	429271.43	726110.13	
12300.00	89.73	7.50	8257.35	4269.00	562.22	4305.87	0.00	429370.57	726123.18	
12400.00	89.73	7.50	8257.81	4368.15	575.28	4405.87	0.00	429469.72	726136.24	
12500.00	89.73	7.50	8258.28	4467.29	588.34	4505.87	0.00	429568.86	726149.30	
12600.00	89.73	7.50	8258.74	4566.43	601.39	4605.86	0.00	429668.00	726162.35	
12700.00	89.73	7.50	8259.21	4665.58	614.45	4705.86	0.00	429767.15	726175.41	
12800.00	89.73	7.50	8259.67	4764.72	627.51	4805.86	0.00	429866.29	726188.47	
12871.02	89.73	7.50	8260.00	4835.13	636.78	4876.88	0.00	429936.70	726197.74	Pbhl

Targets

Name	Description Dip.	TVD Dir.	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Pbhl			8260.00	4835.13	636.78	429936.70 726197.74	32 10 50.016 N	103 44 8.961 W



Weatherford International Ltd.

WFT Plan Report - X & Y's


Weatherford

Company: Devon Energy	Date: 10/4/2011	Time: 14:28:31	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate (NE) Reference:	Well: CDU #113H	Grid North
Site: Cotton Draw Unit #113H	Vertical (TVD) Reference:	SITE 34980	
Well: CDU #113H	Section (VS) Reference:	Well (0.00N 0.00E: 7.50Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
7667.05	7667.05	Kop
8564.39	8240.00	Lp
12871.01	8260.00	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: October 04, 2011
Job Number: _____
Customer: Devon Energy
Well Name: Cotton Draw Unit #113H
API Number: _____
Rig Name: _____
Location: Eddy Co., NM
Block: _____
Engineer: RWJ

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 425101.570 USFT	Latitude 32.1672814 DEG
East/West 725560.960 USFT	Longitude -103.7379624 DEG
Grid Convergence: .32°	
Total Correction: +7.29°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.16728° N	32° 10 min 2.213 sec
Longitude =	103.73796° W	103° 44 min 16.665 sec

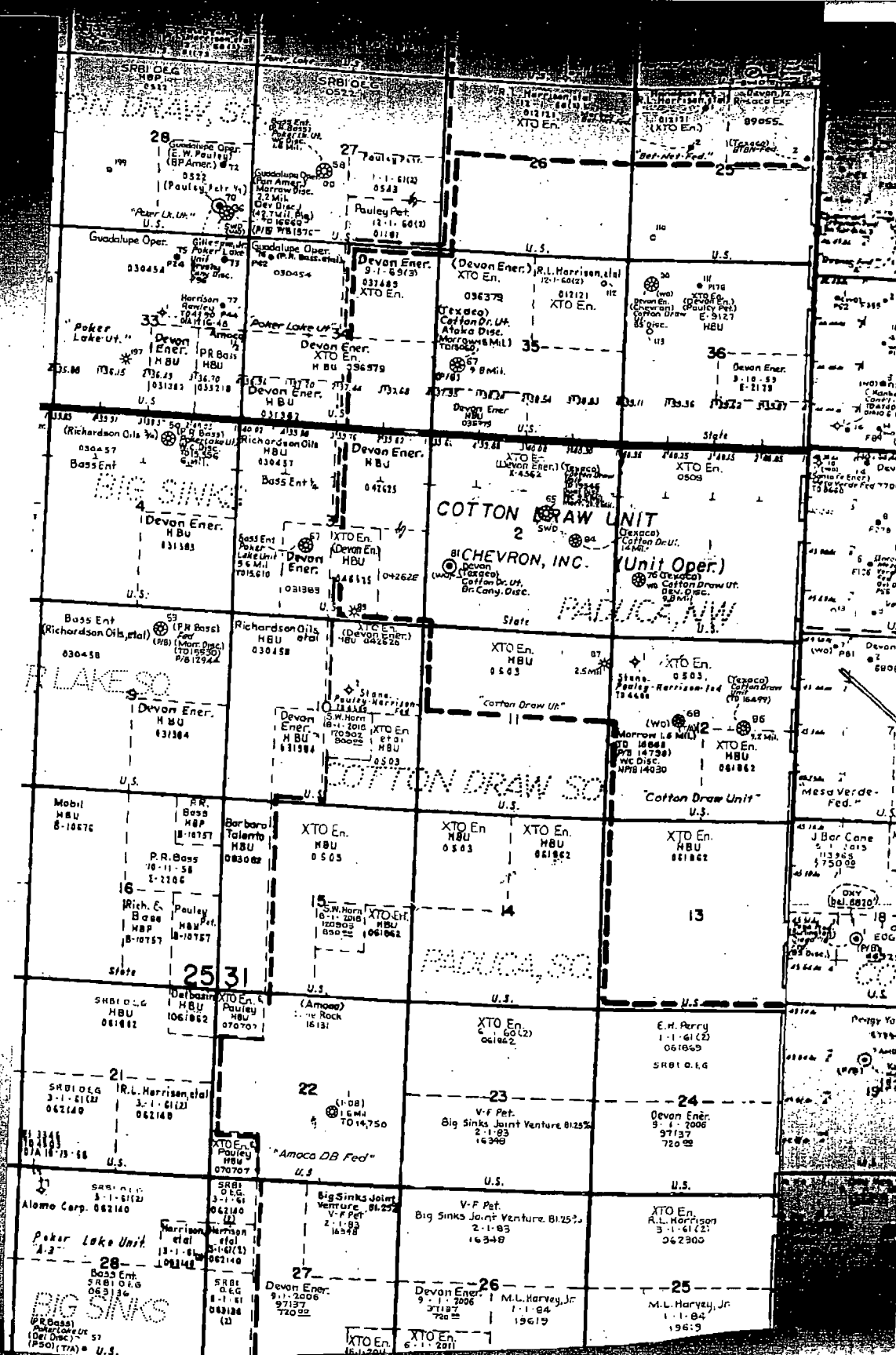
Magnetic Declination =	7.61°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6522
Local Field Strength =	48543 nT	Magnetic Vector X = 23989 nT
Magnetic Dip =	60.10°	Magnetic Vector Y = 3204 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42080 nT
Spud Date =	Nov 15, 2011	Magnetic Vector H = 24202 nT

Signed: _____

Date: _____

EDDY, East

32°15'



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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate
District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-015-39517		² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name COTTON DRAW UNIT		⁶ Well Number 113H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3472.2

¹⁰ Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	24 S	31 E		220	SOUTH	660	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	24 S	31 E		200	NORTH	1310	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

17 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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____	
18 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 supervision, and that the same is true and correct to the best of my belief. SEPTEMBER 5, 2011 Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____	

SW CORNER SEC. 36
LAT. = 32.1668866°N
LONG. = 103.7400972°W
NMSP EAST (FT)
N = 424881.54
E = 724901.59

SE CORNER SEC. 36
LAT. = 32.1666079°N
LONG. = 103.7229687°W
NMSP EAST (FT)
N = 424882.53
E = 730201.89

1310'
200'
BOTTOM OF HOLE
LAT. = 32.1805624°N
LONG. = 103.7358128°W
NMSP EAST (FT)
N = 429936.70
E = 726197.74

1310'
220'
SURFACE LOCATION

COTTON DRAW UNIT #113H
ELEV. = 3472.2'
LAT. = 32.1672814°N (NAD83)
LONG. = 103.7379624°W
NMSP EAST (FT)
N = 425101.57
E = 725560.96