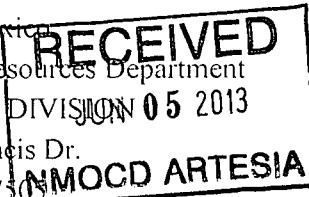


District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1253 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6173 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41437	² Pool Code 96641	³ Pool Name Paduca; Bone Spring (o)
⁴ Property Code 300635	⁵ Property Name COTTON DRAW UNIT	
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	
		⁶ Well Number 202H
		⁹ Elevation 3421.2

¹⁰ Surface Location

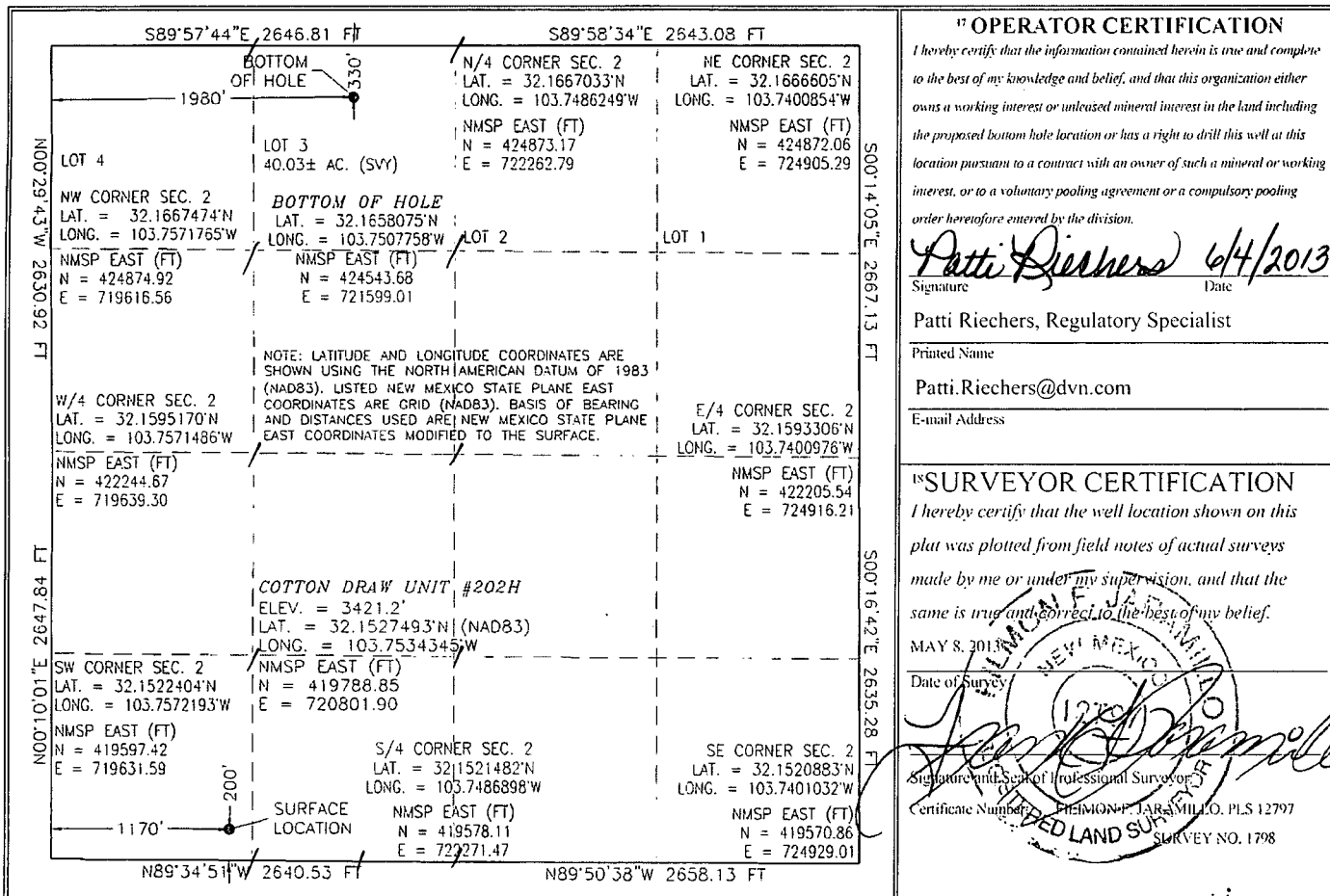
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	25 S	31 E		200	SOUTH	1170	WEST	EDDY

¹¹ 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
3	2	25 S	31 E		330	NORTH	1980	WEST	EDDY

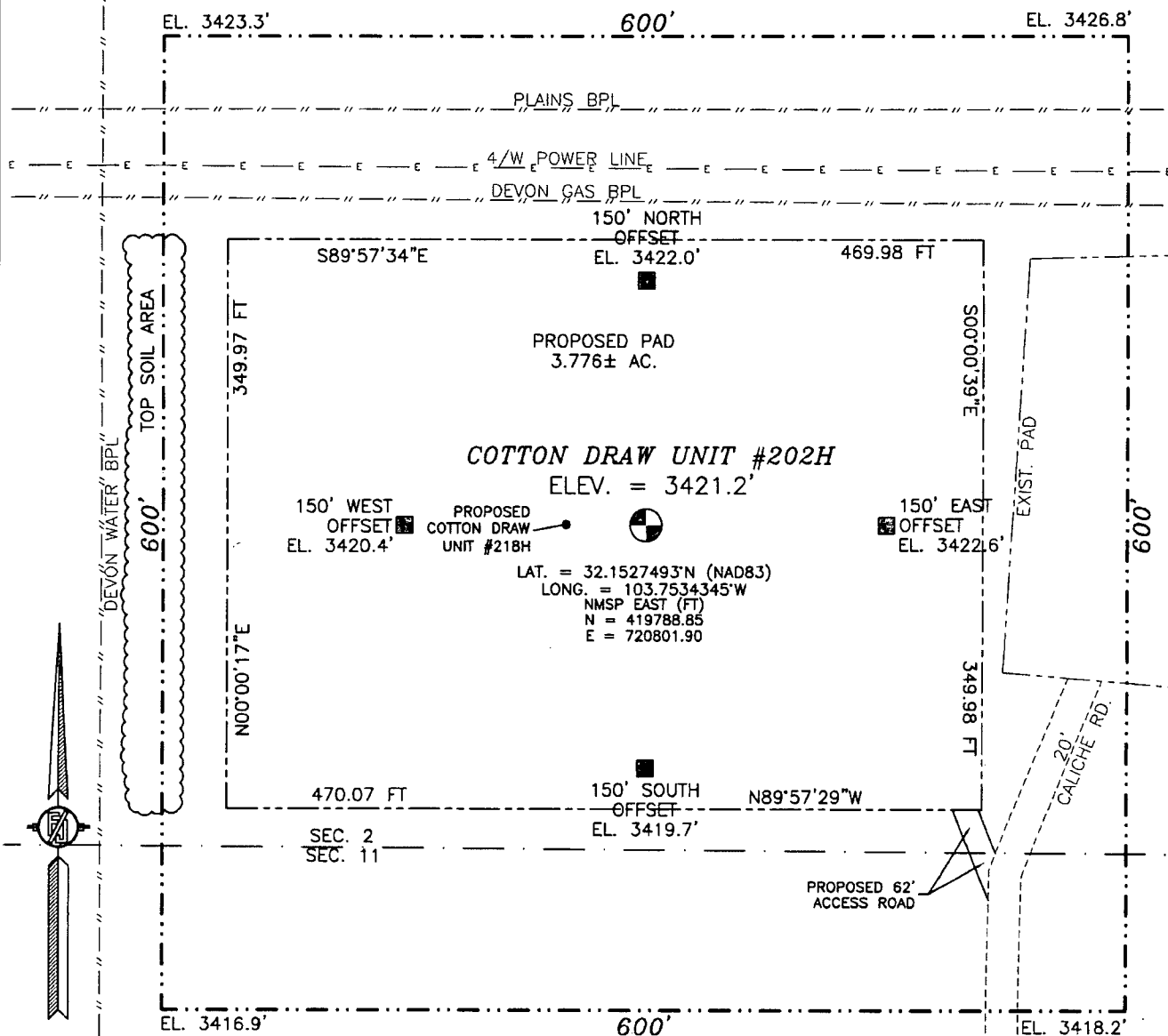
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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.



SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM STATE HWY. 128 AND CR. #1 (ORLA RD.) GO SOUTH ON CR. 1 6.2 MILES, TURN RIGHT ON CALICHE ROAD (MONSANTO RD.) AND GO WEST 2.2 MILES, TURN RIGHT AND GO NORTH 0.75 MILES, BEND LEFT AND GO WEST 2.0 MILES, TURN RIGHT AND GO NORTH 1.0 MILES, TURN LEFT AND GO WEST 0.8 MILES, TURN RIGHT AND GO NORTH 800' AND LOCATION IS NORTHWEST 340'.

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT #202H

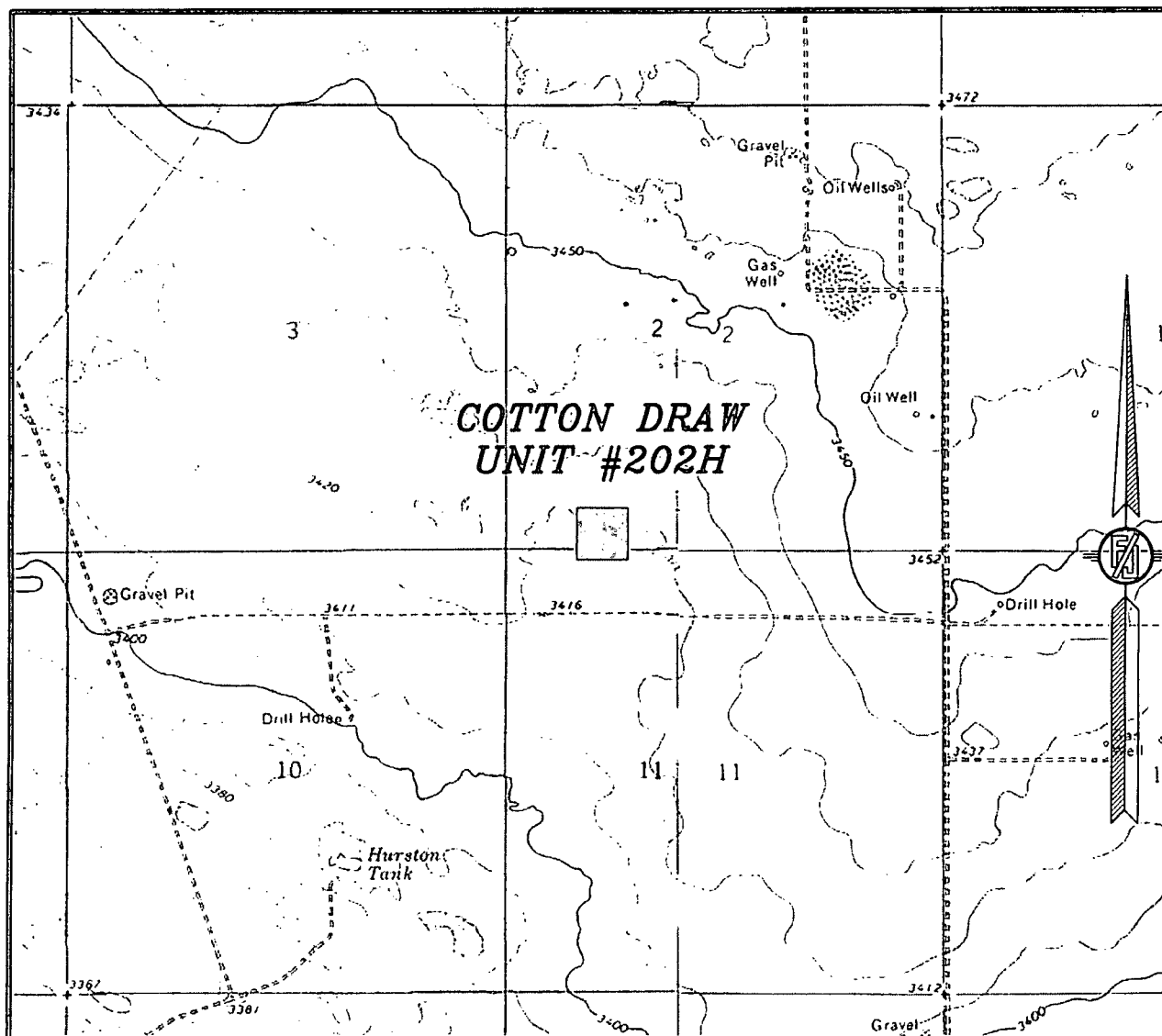
LOCATED 200 FT. FROM THE SOUTH LINE
AND 1170 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 8, 2013

SURVEY NO. 1798

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 BIG SINKS

NOT TO SCALE

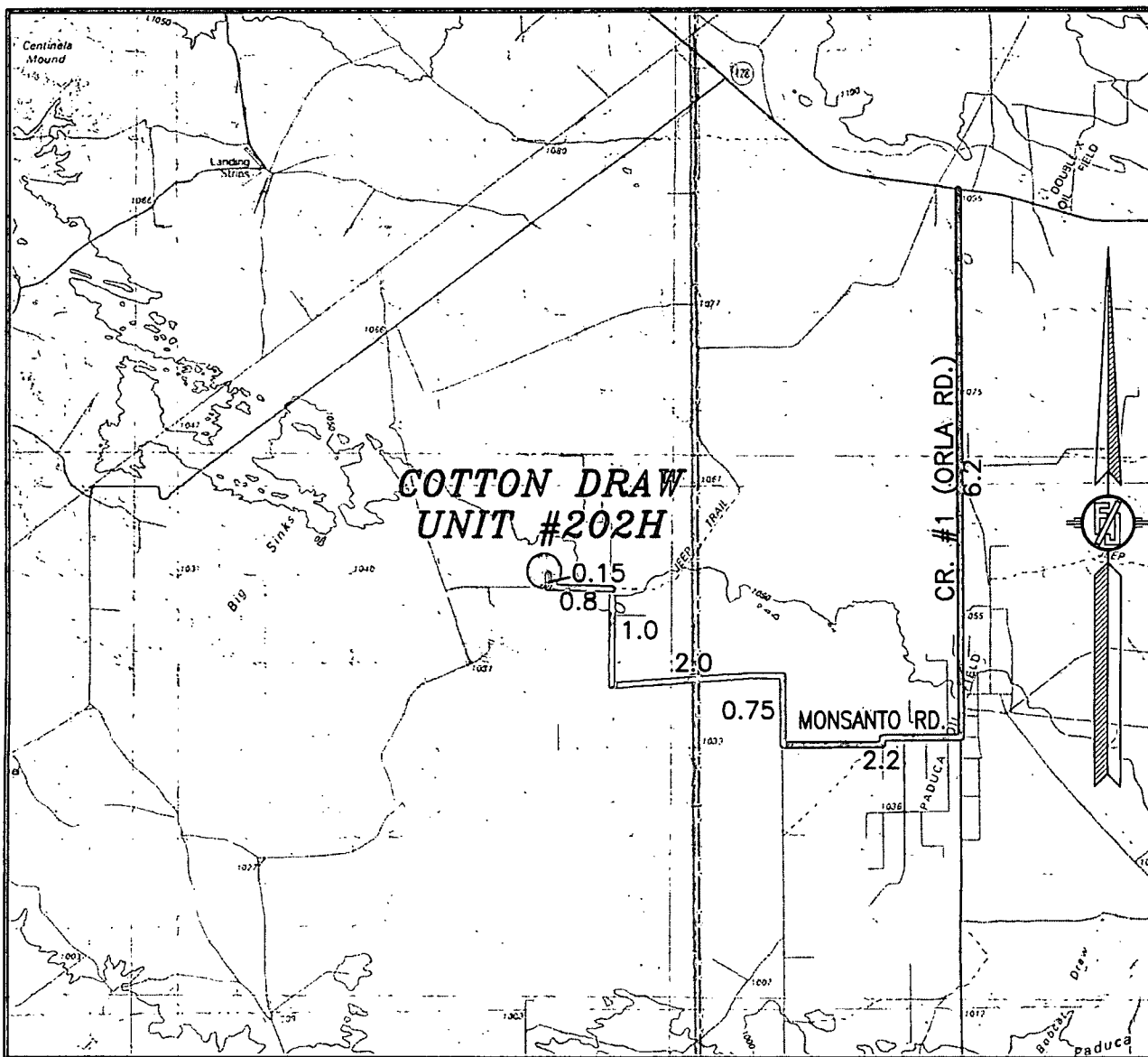
DEVON ENERGY PRODUCTION COMPANY, L.P.
 COTTON DRAW UNIT #202H
 LOCATED 200 FT. FROM THE SOUTH LINE
 AND 1170 FT. FROM THE WEST LINE OF
 SECTION 2, TOWNSHIP 25 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

MAY 8, 2013

SURVEY NO. 1798

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES SHOWN IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT #202H

LOCATED 200 FT. FROM THE SOUTH LINE
AND 1170 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DIRECTIONS TO LOCATION

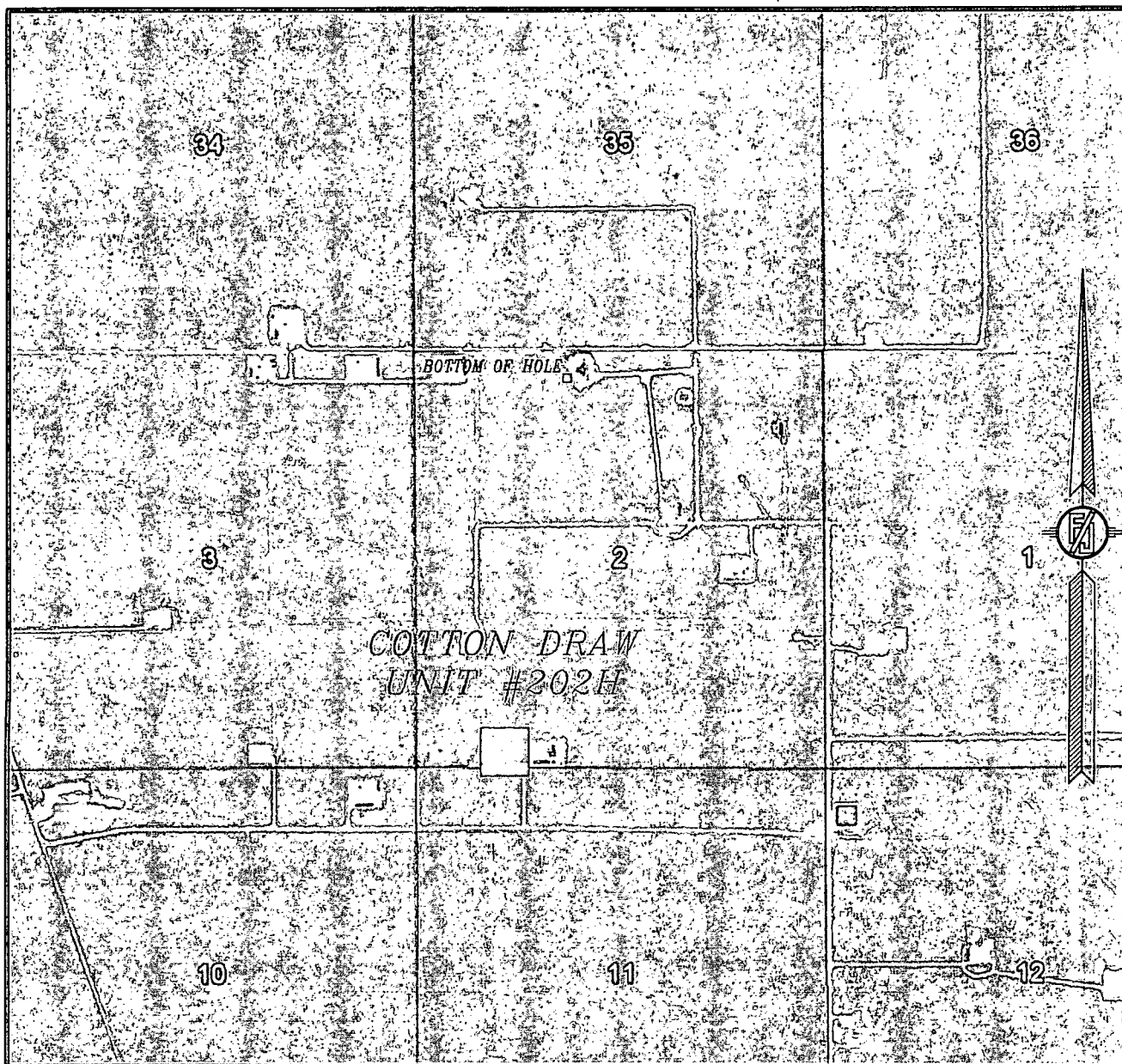
FROM STATE HWY. 128 AND CR. #1 (ORLA RD.) GO SOUTH ON CR. 1
6.2 MILES, TURN RIGHT ON CALICHE ROAD (MONSANTO RD.) AND GO
WEST 2.2 MILES, TURN RIGHT AND GO NORTH 0.75 MILES, BEND LEFT
AND GO WEST 2.0 MILES, TURN RIGHT AND GO NORTH 1.0 MILES,
TURN LEFT AND GO WEST 0.8 MILES, TURN RIGHT AND GO NORTH
800' AND LOCATION IS NORTHWEST 340'.

MAY 8, 2013

SURVEY NO. 1798

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.
COTTON DRAW UNIT #202H

LOCATED 200 FT. FROM THE SOUTH LINE
AND 1170 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 25 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 8, 2013

SURVEY NO. 1798

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

DEVON ENERGY

Project: Eddy County, NM (NAD-83)
Site: Cotton Draw Unit
Well: 202H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.12°

Magnetic Field
Strength: 48357.5snT
Dip Angle: 60.04°
Date: 05/31/2013
Model: IGRF2010

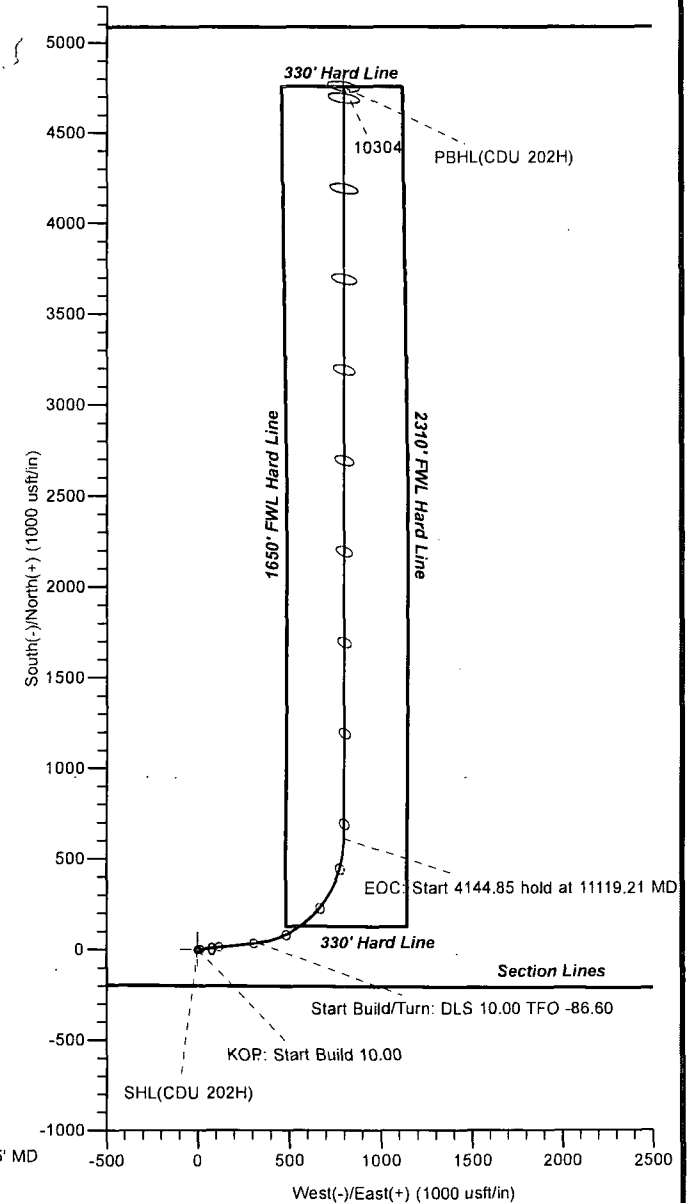
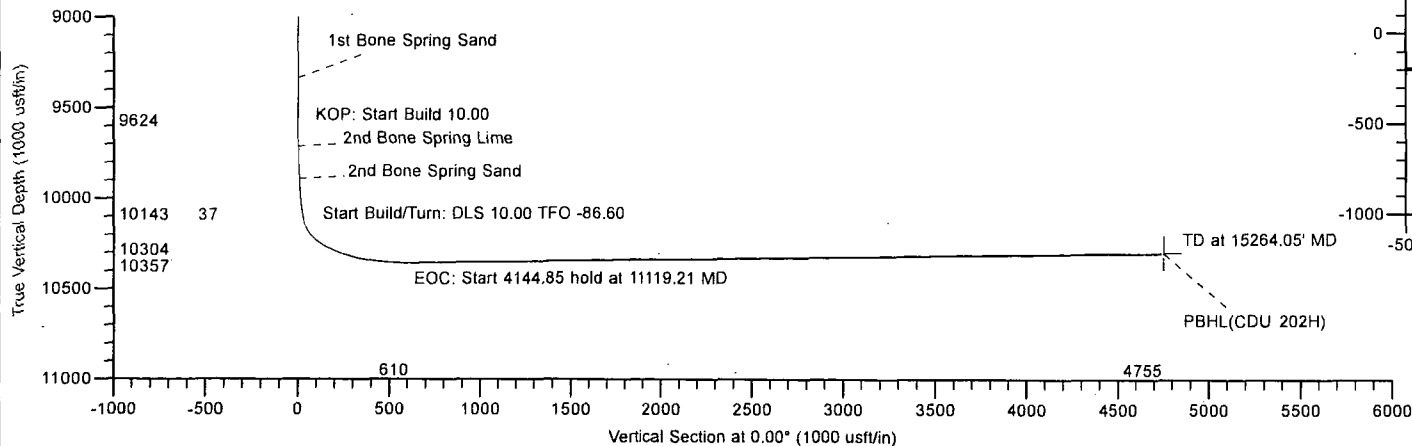


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(CDU 202H)	0.00	0.00	0.00	419788.85	720801.90	32° 9' 9.897 N	103° 45' 12.364 W
PBHL(CDU 202H)	10304.00	4754.76	797.11	424543.61	721599.01	32° 9' 56.906 N	103° 45' 2.793 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9624.57	0.00	0.00	9624.57	0.00	0.00	0.00	0.00	0.00	KOP: Start Build 10.00
3	10274.57	65.00	83.54	10143.85	37.19	328.72	10.00	83.54	37.22	Start Build/Turn: DLS 10.00 TFO -86.60
4	11119.21	90.73	0.00	10357.00	610.25	797.11	10.00	-86.60	610.32	EOC: Start 4144.85 hold at 11119.21 MD
5	15264.05	90.73	0.00	10304.00	4754.76	797.11	0.00	0.00	4754.83	TD at 15264.05' MD



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (202H/OH)
Cotton Draw Unit
Created By: Tyler Carlson Date: 11:53, May 31 2013
Date: _____
Approved: _____ Date: _____

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 202H
Company:	DEVON ENERGY	TVD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Cotton Draw Unit		
Site Position:	Northings:	419,194.51 usft	Latitude: 32° 9' 3.901 N
From: Map	Easting:	722,955.98 usft	Longitude: 103° 44' 47.345 W
Position Uncertainty:	0.00 usft	Slot Radius: 13-3/16"	Grid Convergence: 0.31 °

Well	202H		
Well Position	+N/-S	594.34 usft	Northings: 419,788.85 usft
	+E/-W	-2,154.08 usft	Easting: 720,801.90 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level: 3,421.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	05/31/13	7.42
			Dip Angle (°)
			60.04
			Field Strength (nT)
			48,358

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			0.01

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,624.57	0.00	0.00	9,624.57	0.00	0.00	0.00	0.00	0.00	0.00	
10,274.57	65.00	83.55	10,143.85	37.19	328.72	10.00	10.00	0.00	83.55	
11,119.21	90.73	0.00	10,357.00	610.25	797.11	10.00	3.05	-9.89	-86.60	
15,264.05	90.73	0.00	10,304.00	4,754.76	797.11	0.00	0.00	0.00	0.00	PBHL(CDU 202H)

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 202H
Company:	DEVON ENERGY	TVD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
RUSTLER									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
995.00	0.00	0.00	995.00	0.00	0.00	0.00	0.00	0.00	0.00
TOP SALT									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,801.00	0.00	0.00	2,801.00	0.00	0.00	0.00	0.00	0.00	0.00
CASTILE									
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,408.00	0.00	0.00	4,408.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									

LEAM Drilling Systems LLC
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 202H
Company:	DEVON ENERGY	TVD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,297.00	0.00	0.00	5,297.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,622.00	0.00	0.00	6,622.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,204.00	0.00	0.00	8,204.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Bone Spring Lime									
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 202H
Company:	DEVON ENERGY	TVD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,335.00	0.00	0.00	9,335.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Bone Spring Sand									
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,624.57	0.00	0.00	9,624.57	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start Build 10.00									
9,650.00	2.54	83.55	9,649.99	0.06	0.56	0.06	10.00	10.00	0.00
9,700.00	7.54	83.55	9,699.78	0.56	4.93	0.56	10.00	10.00	0.00
9,712.34	8.78	83.55	9,712.00	0.75	6.67	0.75	10.00	10.00	0.00
2nd Bone Spring Lime									
9,750.00	12.54	83.55	9,749.00	1.54	13.59	1.54	10.00	10.00	0.00
9,800.00	17.54	83.55	9,797.27	3.00	26.48	3.00	10.00	10.00	0.00
9,850.00	22.54	83.55	9,844.23	4.92	43.50	4.93	10.00	10.00	0.00
9,900.00	27.54	83.55	9,889.51	7.30	64.53	7.31	10.00	10.00	0.00
9,901.68	27.71	83.55	9,891.00	7.39	65.30	7.39	10.00	10.00	0.00
2nd Bone Spring Sand									
9,950.00	32.54	83.55	9,932.78	10.11	89.39	10.12	10.00	10.00	0.00
10,000.00	37.54	83.55	9,973.71	13.34	117.91	13.35	10.00	10.00	0.00
10,050.00	42.54	83.55	10,011.97	16.96	149.86	16.97	10.00	10.00	0.00
10,100.00	47.54	83.55	10,047.29	20.93	185.01	20.95	10.00	10.00	0.00
10,150.00	52.54	83.55	10,079.39	25.24	223.08	25.26	10.00	10.00	0.00
10,200.00	57.54	83.55	10,108.03	29.84	263.79	29.87	10.00	10.00	0.00
10,250.00	62.54	83.55	10,132.99	34.71	306.82	34.74	10.00	10.00	0.00
10,274.57	65.00	83.55	10,143.85	37.19	328.72	37.22	10.00	10.00	0.00
Start Build/Turn: DLS 10.00 TFO -86.60									
10,300.00	65.18	80.75	10,154.56	40.34	351.56	40.37	10.00	0.70	-11.00
10,350.00	65.68	75.28	10,175.37	49.79	396.02	49.82	10.00	1.00	-10.94
10,400.00	66.37	69.86	10,195.70	63.47	439.58	63.51	10.00	1.39	-10.84
10,450.00	67.25	64.50	10,215.40	81.29	481.92	81.34	10.00	1.76	-10.71
10,500.00	68.30	59.22	10,234.32	103.12	522.71	103.17	10.00	2.11	-10.56
10,550.00	69.52	54.02	10,252.32	128.78	561.65	128.83	10.00	2.44	-10.39
10,600.00	70.89	48.91	10,269.26	158.08	598.43	158.13	10.00	2.74	-10.22
10,650.00	72.40	43.89	10,285.01	190.80	632.78	190.86	10.00	3.02	-10.04
10,700.00	74.04	38.96	10,299.45	226.69	664.43	226.75	10.00	3.27	-9.87
10,750.00	75.78	34.10	10,312.48	265.47	693.15	265.53	10.00	3.49	-9.71
10,800.00	77.63	29.33	10,323.98	306.85	718.71	306.92	10.00	3.68	-9.55
10,850.00	79.55	24.62	10,333.88	350.52	740.93	350.59	10.00	3.85	-9.42
10,900.00	81.54	19.97	10,342.10	396.14	759.63	396.21	10.00	3.98	-9.30
10,950.00	83.59	15.37	10,348.57	443.37	774.66	443.44	10.00	4.09	-9.20
11,000.00	85.67	10.80	10,353.25	491.84	785.93	491.91	10.00	4.17	-9.13
11,050.00	87.79	6.26	10,356.11	541.19	793.33	541.26	10.00	4.23	-9.08
11,100.00	89.91	1.74	10,357.11	591.05	796.82	591.12	10.00	4.26	-9.05
11,119.21	90.73	0.00	10,357.00	610.25	797.11	610.32	10.00	4.26	-9.05
EOC: Start 4144.85 hold at 11119.21 MD									
11,200.00	90.73	0.00	10,355.97	691.04	797.11	691.11	0.00	0.00	0.00
11,300.00	90.73	0.00	10,354.69	791.03	797.11	791.10	0.00	0.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 202H
Company:	DEVON ENERGY	TVD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,400.00	90.73	0.00	10,353.41	891.02	797.11	891.09	0.00	0.00	0.00
11,500.00	90.73	0.00	10,352.13	991.01	797.11	991.08	0.00	0.00	0.00
11,600.00	90.73	0.00	10,350.85	1,091.00	797.11	1,091.07	0.00	0.00	0.00
11,700.00	90.73	0.00	10,349.58	1,190.99	797.11	1,191.06	0.00	0.00	0.00
11,800.00	90.73	0.00	10,348.30	1,290.99	797.11	1,291.06	0.00	0.00	0.00
11,900.00	90.73	0.00	10,347.02	1,390.98	797.11	1,391.05	0.00	0.00	0.00
12,000.00	90.73	0.00	10,345.74	1,490.97	797.11	1,491.04	0.00	0.00	0.00
12,100.00	90.73	0.00	10,344.46	1,590.96	797.11	1,591.03	0.00	0.00	0.00
12,200.00	90.73	0.00	10,343.18	1,690.95	797.11	1,691.02	0.00	0.00	0.00
12,300.00	90.73	0.00	10,341.90	1,790.95	797.11	1,791.02	0.00	0.00	0.00
12,400.00	90.73	0.00	10,340.62	1,890.94	797.11	1,891.01	0.00	0.00	0.00
12,500.00	90.73	0.00	10,339.35	1,990.93	797.11	1,991.00	0.00	0.00	0.00
12,600.00	90.73	0.00	10,338.07	2,090.92	797.11	2,090.99	0.00	0.00	0.00
12,700.00	90.73	0.00	10,336.79	2,190.91	797.11	2,190.98	0.00	0.00	0.00
12,800.00	90.73	0.00	10,335.51	2,290.90	797.11	2,290.97	0.00	0.00	0.00
12,900.00	90.73	0.00	10,334.23	2,390.90	797.11	2,390.97	0.00	0.00	0.00
13,000.00	90.73	0.00	10,332.95	2,490.89	797.11	2,490.96	0.00	0.00	0.00
13,100.00	90.73	0.00	10,331.67	2,590.88	797.11	2,590.95	0.00	0.00	0.00
13,200.00	90.73	0.00	10,330.39	2,690.87	797.11	2,690.94	0.00	0.00	0.00
13,300.00	90.73	0.00	10,329.12	2,790.86	797.11	2,790.93	0.00	0.00	0.00
13,400.00	90.73	0.00	10,327.84	2,890.86	797.11	2,890.93	0.00	0.00	0.00
13,500.00	90.73	0.00	10,326.56	2,990.85	797.11	2,990.92	0.00	0.00	0.00
13,600.00	90.73	0.00	10,325.28	3,090.84	797.11	3,090.91	0.00	0.00	0.00
13,700.00	90.73	0.00	10,324.00	3,190.83	797.11	3,190.90	0.00	0.00	0.00
13,800.00	90.73	0.00	10,322.72	3,290.82	797.11	3,290.89	0.00	0.00	0.00
13,900.00	90.73	0.00	10,321.44	3,390.81	797.11	3,390.88	0.00	0.00	0.00
14,000.00	90.73	0.00	10,320.16	3,490.81	797.11	3,490.88	0.00	0.00	0.00
14,100.00	90.73	0.00	10,318.89	3,590.80	797.11	3,590.87	0.00	0.00	0.00
14,200.00	90.73	0.00	10,317.61	3,690.79	797.11	3,690.86	0.00	0.00	0.00
14,300.00	90.73	0.00	10,316.33	3,790.78	797.11	3,790.85	0.00	0.00	0.00
14,400.00	90.73	0.00	10,315.05	3,890.77	797.11	3,890.84	0.00	0.00	0.00
14,500.00	90.73	0.00	10,313.77	3,990.77	797.11	3,990.84	0.00	0.00	0.00
14,600.00	90.73	0.00	10,312.49	4,090.76	797.11	4,090.83	0.00	0.00	0.00
14,700.00	90.73	0.00	10,311.21	4,190.75	797.11	4,190.82	0.00	0.00	0.00
14,800.00	90.73	0.00	10,309.93	4,290.74	797.11	4,290.81	0.00	0.00	0.00
14,900.00	90.73	0.00	10,308.66	4,390.73	797.11	4,390.80	0.00	0.00	0.00
15,000.00	90.73	0.00	10,307.38	4,490.73	797.11	4,490.79	0.00	0.00	0.00
15,100.00	90.73	0.00	10,306.10	4,590.72	797.11	4,590.79	0.00	0.00	0.00
15,200.00	90.73	0.00	10,304.82	4,690.71	797.11	4,690.78	0.00	0.00	0.00
15,264.05	90.73	0.00	10,304.00	4,754.76	797.11	4,754.83	0.00	0.00	0.00
TD at 15264.05' MD									

LEAM Drilling Systems LLC

Planning Report

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Project:	Eddy County, NM (NAD-83)	MD Reference:	GE 3421' + KB 28' @ 3449.00usft (Cactus 105)
Site:	Cotton Draw Unit	North Reference:	Grid
Well:	202H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SHL(CDU 202H)	0.00	0.01	0.00	0.00	0.00	419,788.85	720,801.90	32° 9' 9.897 N	103° 45' 12.364 W
- plan hits target center									
- Point									
PBHL(CDU 202H)	0.00	0.01	10,304.00	4,754.76	797.11	424,543.61	721,599.01	32° 9' 56.906 N	103° 45' 2.793 W
- plan hits target center									
- Point									

Formations

Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
600.00	600.00	RUSTLER			
995.00	995.00	TOP SALT			
2,801.00	2,801.00	CASTILE			
4,408.00	4,408.00	Bell Canyon			
5,297.00	5,297.00	Cherry Canyon			
6,622.00	6,622.00	Brushy Canyon			
8,204.00	8,204.00	1st Bone Spring Lime			
9,335.00	9,335.00	1st Bone Spring Sand			
9,712.34	9,712.00	2nd Bone Spring Lime			
9,901.68	9,891.00	2nd Bone Spring Sand			

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
9,624.57	9,624.57	0.00	0.00	KOP: Start Build 10.00
10,274.57	10,143.85	37.19	328.72	Start Build/Turn: DLS 10.00 TFO -86.60
11,119.21	10,357.00	610.25	797.11	EOC: Start 4144.85 hold at 11119.21 MD
15,264.05	10,304.00	4,754.76	797.11	TD at 15264.05' MD