



Devon Energy
Cotton Draw Unit 499H
Lea Co, NM



Weatherford

Plan Data for Cotton Draw Unit 499H

Plan Point Information:									
Dogleg Severity Unit: %/100.00ft				Position offsets from Slot centre					
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
0.00	0.00	0.00	0.00	-0.00	-0.00	414272.76	734906.91	0.00	0.00
4455.00	0.00	0.00	4455.00	-0.00	-0.00	414272.76	734906.91	0.00	0.00 Nudge 1's
5255.25	8.00	84.89	5252.65	4.97	55.57	414277.73	734962.48	-4.88	1.00 Hold
6618.72	8.00	84.89	6602.85	21.88	244.64	414294.64	735151.55	-21.50	0.00 Drop 1's
7418.98	0.00	0.00	7400.50	26.85	300.21	414299.61	735207.12	-26.38	1.00 Hold
7675.98	0.00	0.00	7657.50	26.85	300.21	414299.61	735207.12	-26.38	0.00 KOP Build 10s
8568.82	89.28	179.91	8230.41	-538.95	301.08	413733.81	735207.99	539.42	10.00 LP
12938.38	89.28	179.91	8285.00	-4908.16	307.80	409364.60	735214.71	4908.64	0.00 PBHL 499H

Plan Data for Cotton Draw Unit 499H

Field: Lea Co, NM Nad 83 NMEZ
Map Unit: USft Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: Cotton Draw Unit 499H

Unit: USFeet TVD Reference:

Company Name: Devon Energy

Position: Northing: 414272.76USft Latitude: 32.137370°
Easting: 734906.91USft Longitude: -103.707963°
North Reference: Grid Grid Convergence: 0.33°
Elevation Above VRD: 3424.00USft

Slot: Cotton Draw Unit 499H

Position:

Offset is from Site centre

+N/-S: 0.00USft Northing: 414272.76USft Latitude: 32.137370°
+E/-W: 0.00USft Easting: 734906.91USft Longitude: -103.707963°
Elevation Above VRD: 3424.00USft

Well: Cotton Draw Unit 499H

Type: Main-Well

File Number:

Plan Folder: P1

Plan: P1:V1

Vertical Section: Position offset of origin from Slot centre:

+N/-S: -0.00USft

+E/-W: -0.00USft

Magnetic Parameters:

Model: Field Strength: Declination: Dip: Date:
bggm2016 48034(nT) 7.14° 59.97° 2016-10-15

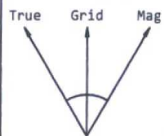
Plan Data for Cotton Draw Unit 499H

Target Set Information:

Name: Cotton Draw Unit 499H

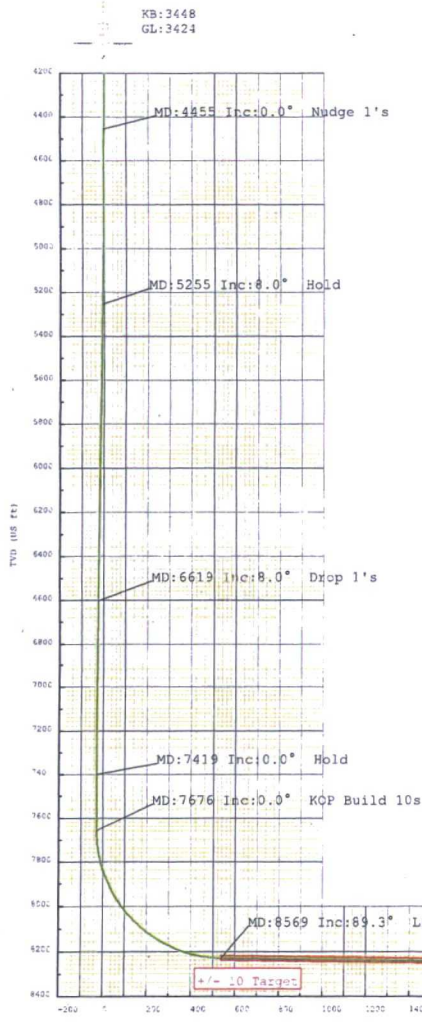
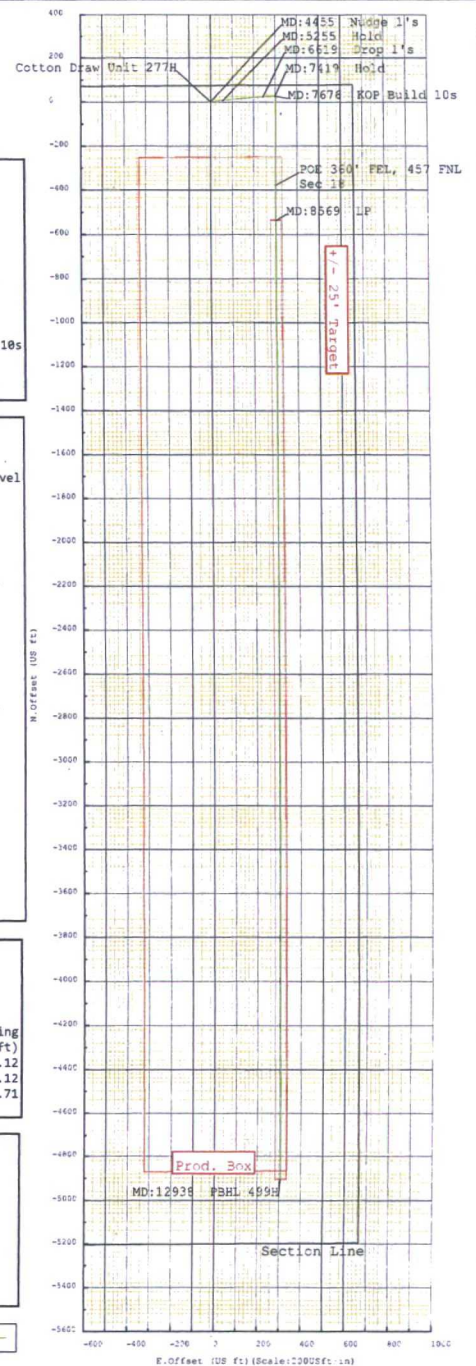
Position offsets from Slot centre

Name	TVD	TVD SS	+N/-S	+E/-W	Northing	Easting
(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)
S Tgt	7657.50	-4209.50	26.85	300.21	414299.61	735207.12
LP Tgt	8226.00	-4778.00	-213.15	300.21	414059.61	735207.12
PBHL 499H	8285.00	-4837.00	-4908.16	307.80	409364.60	735214.71



Grid Convergence: 0.33°
Mag Declination: 7.14°
Bearing:
True = Mag + 7.14°
Grid = True - 0.33°
Total Correction 6.81°

Cotton Draw Unit 499H





5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Cotton Draw Unit 499H*
Well Name: *Cotton Draw Unit 499H*
Plan: *P1:V1*

17 August 2016

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Cotton Draw Unit 499H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Cotton Draw Unit 499H	Units: US ft	North Reference: Grid	Convergence Angle: 0.33	
	Position:	Northing: 414272.76 US ft	Latitude: 32° 8' 14.53"	
		Easting: 734906.91 US ft	Longitude: -103° 42' 28.67"	
	Elevation above MSL: 3424.00 US ft		Comment:	
Slot: Cotton Draw Unit 499H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 414272.76 US ft	Latitude: 32°8'14.53"	
	+E/-W: 0.00 US ft	Easting: 734906.91 US ft	Longitude: -103°42'28.67"	
	Slot TVD Reference: Ground Elevation			
	Elevation above MSL: 3424.00 US ft		Comment:	
Well: Cotton Draw Unit 499H	Type: Main well		UWI:	Plan: P1:V1
	File Number:	Comment:		
	Closure Distance: 4917.8US ft		Closure Azimuth: 176.41°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: -0.00 US ft		+E/-W: -0.00 US ft	Az: 179.91°
	Magnetic Parameters:			
	Model: bggm2016	Field Strength: 48034.5nT	Declination: 7.14°	Dip: 59.97°
				Date: 15/Oct/2016

Drill floor: Plan: P1:V1

Rig Height (Drill Floor): 24.00us ft	Elevation above MSL: 3448.00us ft	Inclination: 0.00°	Azimuth: 0.00°
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Target set: Cotton Draw Unit 499H Comment:

Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (USft)	Easting (USft)	Comment
S Tgt	Point	7657.50	26.85	300.21	414299.61	735207.12	
LP Tgt	Point	8226.00	-213.15	300.21	414059.61	735207.12	
PBHL 499H	Cuboid	8285.00	-4908.16	307.80	409364.60	735214.71	

Wellpath created using minimum curvature.

5D Plan Report

Tie Point:
MD: 0.00USFt **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** 0.00USFt **North Offset:** - 0.00USFt **East Offset:** - 0.00USFt

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	B.Rate (°/100US ft)	T.Rate (°/100US ft)	DLS (°/100US ft)	
0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	0.00	0.00	0.00	
4455.00	0.00	0.00	4455.00	-0.00	-0.00	-0.00	0.00	0.00	0.00	Nudge 1's
5255.25	8.00	84.89	5252.65	-4.88	4.97	55.57	1.00	0.00	1.00	Hold
6618.72	8.00	84.89	6602.85	-21.50	21.88	244.64	0.00	0.00	0.00	Drop 1's
7418.98	0.00	0.00	7400.50	-26.38	26.85	300.21	-1.00	0.00	1.00	Hold
7675.98	0.00	0.00	7657.50	-26.38	26.85	300.21	0.00	0.00	0.00	KOP Build 10s
8407.96	73.20	179.91	8206.00	380.96	-380.49	300.84	10.00	0.00	10.00	POE 360' FEL, 457 FNL Sec 18
8568.82	89.28	179.91	8230.41	539.42	-538.95	301.08	10.00	-0.00	10.00	LP
12938.38	89.28	179.91	8285.00	4908.64	-4908.16	307.80	0.00	0.00	0.00	PBHL 499H

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
100.00	0.00	0.00	100.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
200.00	0.00	0.00	200.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
300.00	0.00	0.00	300.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
400.00	0.00	0.00	400.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
500.00	0.00	0.00	500.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
600.00	0.00	0.00	600.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
700.00	0.00	0.00	700.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
800.00	0.00	0.00	800.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
900.00	0.00	0.00	900.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1000.00	0.00	0.00	1000.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1100.00	0.00	0.00	1100.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1200.00	0.00	0.00	1200.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1300.00	0.00	0.00	1300.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1400.00	0.00	0.00	1400.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1500.00	0.00	0.00	1500.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1600.00	0.00	0.00	1600.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1700.00	0.00	0.00	1700.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1800.00	0.00	0.00	1800.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
1900.00	0.00	0.00	1900.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2000.00	0.00	0.00	2000.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2100.00	0.00	0.00	2100.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2200.00	0.00	0.00	2200.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2300.00	0.00	0.00	2300.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2400.00	0.00	0.00	2400.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2500.00	0.00	0.00	2500.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2600.00	0.00	0.00	2600.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2700.00	0.00	0.00	2700.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2800.00	0.00	0.00	2800.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
2900.00	0.00	0.00	2900.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3000.00	0.00	0.00	3000.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3100.00	0.00	0.00	3100.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3200.00	0.00	0.00	3200.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3300.00	0.00	0.00	3300.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3400.00	0.00	0.00	3400.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3500.00	0.00	0.00	3500.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3600.00	0.00	0.00	3600.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3700.00	0.00	0.00	3700.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3800.00	0.00	0.00	3800.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
3900.00	0.00	0.00	3900.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
4000.00	0.00	0.00	4000.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
4100.00	0.00	0.00	4100.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
4200.00	0.00	0.00	4200.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
4300.00	0.00	0.00	4300.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
4400.00	0.00	0.00	4400.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	
4455.00	0.00	0.00	4455.00	-0.00	-0.00	-0.00	414272.76	734906.91	0.00	Nudge 1's
4500.00	0.45	84.89	4500.00	-0.02	0.02	0.18	414272.78	734907.09	1.00	
4600.00	1.45	84.89	4599.98	-0.16	0.16	1.83	414272.92	734908.74	1.00	
4700.00	2.45	84.89	4699.93	-0.46	0.47	5.22	414273.23	734912.13	1.00	
4800.00	3.45	84.89	4799.79	-0.91	0.93	10.34	414273.69	734917.25	1.00	
4900.00	4.45	84.89	4899.55	-1.51	1.54	17.20	414274.30	734924.11	1.00	
5000.00	5.45	84.89	4999.18	-2.27	2.31	25.80	414275.07	734932.71	1.00	
5100.00	6.45	84.89	5098.64	-3.17	3.23	36.12	414275.99	734943.03	1.00	
5200.00	7.45	84.89	5197.90	-4.23	4.31	48.17	414277.07	734955.08	1.00	
5255.25	8.00	84.89	5252.65	-4.88	4.97	55.57	414277.73	734962.48	1.00	Hold
5300.00	8.00	84.89	5296.96	-5.43	5.53	61.78	414278.29	734968.69	0.00	
5400.00	8.00	84.89	5395.99	-6.65	6.77	75.64	414279.53	734982.55	0.00	
5500.00	8.00	84.89	5495.02	-7.86	8.01	89.51	414280.77	734996.42	0.00	
5600.00	8.00	84.89	5594.04	-9.08	9.25	103.38	414282.01	735010.29	0.00	
5700.00	8.00	84.89	5693.07	-10.30	10.49	117.24	414283.25	735024.15	0.00	
5800.00	8.00	84.89	5792.10	-11.52	11.73	131.11	414284.49	735038.02	0.00	
5900.00	8.00	84.89	5891.12	-12.74	12.97	144.98	414285.73	735051.89	0.00	
6000.00	8.00	84.89	5990.15	-13.96	14.21	158.84	414286.97	735065.75	0.00	
6100.00	8.00	84.89	6089.17	-15.18	15.45	172.71	414288.21	735079.62	0.00	
6200.00	8.00	84.89	6188.20	-16.39	16.69	186.58	414289.45	735093.49	0.00	
6300.00	8.00	84.89	6287.23	-17.61	17.93	200.44	414290.69	735107.35	0.00	
6400.00	8.00	84.89	6386.25	-18.83	19.17	214.31	414291.93	735121.22	0.00	
6500.00	8.00	84.89	6485.28	-20.05	20.41	228.17	414293.17	735135.08	0.00	
6600.00	8.00	84.89	6584.31	-21.27	21.65	242.04	414294.41	735148.95	0.00	
6618.72	8.00	84.89	6602.85	-21.50	21.88	244.64	414294.64	735151.55	0.00	Drop 1's
6700.00	7.19	84.89	6683.41	-22.44	22.84	255.34	414295.60	735162.25	1.00	
6800.00	6.19	84.89	6782.73	-23.46	23.87	266.94	414296.63	735173.85	1.00	
6900.00	5.19	84.89	6882.23	-24.32	24.76	276.82	414297.52	735183.73	1.00	
7000.00	4.19	84.89	6981.90	-25.04	25.49	284.96	414298.25	735191.87	1.00	
7100.00	3.19	84.89	7081.69	-25.60	26.06	291.37	414298.82	735198.28	1.00	
7200.00	2.19	84.89	7181.58	-26.01	26.48	296.04	414299.24	735202.95	1.00	
7300.00	1.19	84.89	7281.53	-26.27	26.74	298.98	414299.50	735205.89	1.00	
7400.00	0.19	84.89	7381.52	-26.38	26.85	300.18	414299.61	735207.09	1.00	
7418.98	0.00	0.00	7400.50	-26.38	26.85	300.21	414299.61	735207.12	1.00	Hold
7500.00	0.00	0.00	7481.52	-26.38	26.85	300.21	414299.61	735207.12	0.00	
7600.00	0.00	0.00	7581.52	-26.38	26.85	300.21	414299.61	735207.12	0.00	
7675.98	0.00	0.00	7657.50	-26.38	26.85	300.21	414299.61	735207.12	0.00	
7700.00	2.40	179.91	7681.52	-25.87	26.35	300.21	414299.11	735207.12	10.00	
7800.00	12.40	179.91	7780.56	-13.01	13.48	300.23	414286.24	735207.14	10.00	
7900.00	22.40	179.91	7875.86	16.86	-16.39	300.28	414256.37	735207.19	10.00	
8000.00	32.40	179.91	7964.53	62.83	-62.36	300.35	414210.40	735207.26	10.00	
8100.00	42.40	179.91	8043.86	123.49	-123.02	300.44	414149.74	735207.35	10.00	
8200.00	52.40	179.91	8111.46	197.01	-196.54	300.55	414076.22	735207.46	10.00	
8300.00	62.40	179.91	8165.27	281.15	-280.68	300.68	413992.08	735207.59	10.00	
8400.00	72.40	179.91	8203.65	373.36	-372.88	300.82	413899.88	735207.73	10.00	
8407.96	73.20	179.91	8206.00	380.96	-380.49	300.84	413892.27	735207.75	10.00	POE 360° FEL, 457 FNL Sec 18
8500.00	82.40	179.91	8225.43	470.83	-470.35	300.97	413802.41	735207.88	10.00	
8568.82	89.28	179.91	8230.41	539.42	-538.95	301.08	413733.81	735207.99	10.00	
8600.00	89.28	179.91	8230.80	570.60	-570.13	301.13	413702.63	735208.04	0.00	
8700.00	89.28	179.91	8232.05	670.59	-670.12	301.28	413602.64	735208.19	0.00	
8800.00	89.28	179.91	8233.30	770.59	-770.11	301.44	413502.65	735208.35	0.00	
8900.00	89.28	179.91	8234.55	870.58	-870.10	301.59	413402.66	735208.50	0.00	
9000.00	89.28	179.91	8235.80	970.57	-970.10	301.74	413302.66	735208.65	0.00	

SD Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
9100.00	89.28	179.91	8237.05	1070.56	-1070.09	301.90	413202.67	735208.81	0.00	
9200.00	89.28	179.91	8238.30	1170.55	-1170.08	302.05	413102.68	735208.96	0.00	
9300.00	89.28	179.91	8239.55	1270.55	-1270.07	302.20	413002.69	735209.11	0.00	
9400.00	89.28	179.91	8240.80	1370.54	-1370.07	302.36	412902.69	735209.27	0.00	
9500.00	89.28	179.91	8242.05	1470.53	-1470.06	302.51	412802.70	735209.42	0.00	
9600.00	89.28	179.91	8243.30	1570.52	-1570.05	302.67	412702.71	735209.58	0.00	
9700.00	89.28	179.91	8244.54	1670.52	-1670.04	302.82	412602.72	735209.73	0.00	
9800.00	89.28	179.91	8245.79	1770.51	-1770.03	302.97	412502.73	735209.88	0.00	
9900.00	89.28	179.91	8247.04	1870.50	-1870.03	303.13	412402.73	735210.04	0.00	
10000.00	89.28	179.91	8248.29	1970.49	-1970.02	303.28	412302.74	735210.19	0.00	
10100.00	89.28	179.91	8249.54	2070.48	-2070.01	303.43	412202.75	735210.34	0.00	
10200.00	89.28	179.91	8250.79	2170.48	-2170.00	303.59	412102.76	735210.50	0.00	
10300.00	89.28	179.91	8252.04	2270.47	-2269.99	303.74	412002.77	735210.65	0.00	
10400.00	89.28	179.91	8253.29	2370.46	-2369.99	303.90	411902.77	735210.81	0.00	
10500.00	89.28	179.91	8254.54	2470.45	-2469.98	304.05	411802.78	735210.96	0.00	
10600.00	89.28	179.91	8255.79	2570.44	-2569.97	304.20	411702.79	735211.11	0.00	
10700.00	89.28	179.91	8257.04	2670.44	-2669.96	304.36	411602.80	735211.27	0.00	
10800.00	89.28	179.91	8258.29	2770.43	-2769.95	304.51	411502.81	735211.42	0.00	
10900.00	89.28	179.91	8259.54	2870.42	-2869.95	304.67	411402.81	735211.58	0.00	
11000.00	89.28	179.91	8260.78	2970.41	-2969.94	304.82	411302.82	735211.73	0.00	
11100.00	89.28	179.91	8262.03	3070.41	-3069.93	304.97	411202.83	735211.88	0.00	
11200.00	89.28	179.91	8263.28	3170.40	-3169.92	305.13	411102.84	735212.04	0.00	
11300.00	89.28	179.91	8264.53	3270.39	-3269.91	305.28	411002.85	735212.19	0.00	
11400.00	89.28	179.91	8265.78	3370.38	-3369.91	305.43	410902.85	735212.34	0.00	
11500.00	89.28	179.91	8267.03	3470.37	-3469.90	305.59	410802.86	735212.50	0.00	
11600.00	89.28	179.91	8268.28	3570.37	-3569.89	305.74	410702.87	735212.65	0.00	
11700.00	89.28	179.91	8269.53	3670.36	-3669.88	305.90	410602.88	735212.81	0.00	
11800.00	89.28	179.91	8270.78	3770.35	-3769.88	306.05	410502.88	735212.96	0.00	
11900.00	89.28	179.91	8272.03	3870.34	-3869.87	306.20	410402.89	735213.11	0.00	
12000.00	89.28	179.91	8273.28	3970.34	-3969.86	306.36	410302.90	735213.27	0.00	
12100.00	89.28	179.91	8274.53	4070.33	-4069.85	306.51	410202.91	735213.42	0.00	
12200.00	89.28	179.91	8275.78	4170.32	-4169.84	306.66	410102.92	735213.57	0.00	
12300.00	89.28	179.91	8277.03	4270.31	-4269.84	306.82	410002.92	735213.73	0.00	
12400.00	89.28	179.91	8278.27	4370.30	-4369.83	306.97	409902.93	735213.88	0.00	
12500.00	89.28	179.91	8279.52	4470.30	-4469.82	307.13	409802.94	735214.04	0.00	
12600.00	89.28	179.91	8280.77	4570.29	-4569.81	307.28	409702.95	735214.19	0.00	
12700.00	89.28	179.91	8282.02	4670.28	-4669.80	307.43	409602.96	735214.34	0.00	
12800.00	89.28	179.91	8283.27	4770.27	-4769.80	307.59	409502.96	735214.50	0.00	
12900.00	89.28	179.91	8284.52	4870.27	-4869.79	307.74	409402.97	735214.65	0.00	
12938.38	89.28	179.91	8285.00	4908.64	-4908.16	307.80	409364.60	735214.71	0.00	PBHL 499H

Formation Points: (Relative to Slot centre)(TVD relative to Drill Floor)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Comment
Brushy Canyon Lower D Sand	8407.96	73.20	179.91	8206.00	-380.49	300.84	413892.27	735207.75	



Weatherford

Weatherford Drilling Services

GeoDec4 v2.4.0.0

Report Date: August 17, 2016
Job Number: _____
Customer: Devon Energy
Well Name: Cotton Draw Unit 499H
API Number: _____
Rig Name: _____
Location: Lea Co, NM Nad83 NME
Block: _____
Engineer: RWJ

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 414272.76 US Survey Foot	Latitude: 32.13737 Degree
East: 734906.91 US Survey Foot	Longitude: -103.707963 Degree
Convergence: 0.33°	
Declination: 7.14°	
Total Correction: 6.81°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 08' 14.53" N
Longitude = 103° 42' 28.67" W

Magnetic Declination = 7.14 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6817
Local Field Strength = 48035 nT	Magnetic Vector X = 23853 nT
Magnetic Dip = 59.97 deg	Magnetic Vector Y = 2989 nT
Magnetic Model = bggm2016.dat	Magnetic Vector Z = 41586 nT
Run Date = October 15, 2016	Magnetic Vector H = 24039 nT

Signed: _____ Date: _____

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