

HOBBS OCD

JUN 30 2015

RECEIVED

30-025-42654



Gadwall 2 State 1H
Lea Co, NM



Weatherford

Plan Data for Gadwall 2 State 1H

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
(USft) (°) (°) (USft) (USft)(USft) (USft) (USft) (USft) (DLSU)
0.00 0.00 0.00 0.00 0.00 0.00 613116.98 787507.92 0.00 0.00
9007.04 0.00 0.00 9007.04 0.00 0.00 613116.98 787507.92 0.00 0.00
9907.04 90.00 359.99 9580.00 572.96 -0.10 613689.94 787507.82 572.96 10.00
14100.98 90.00 359.99 9580.00 4766.90 -0.81 617883.88 787507.11 4766.90 0.00

Plan Data for Gadwall 2 State 1H

Slot: Gadwall 2 State 1H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 613116.98USft Latitude: 32°40'58.6"
+E/-W: 0.00USft Easting: 787507.92USft Longitude: -103°31'59.6"
Elevation Above VRD: 3380.00USft

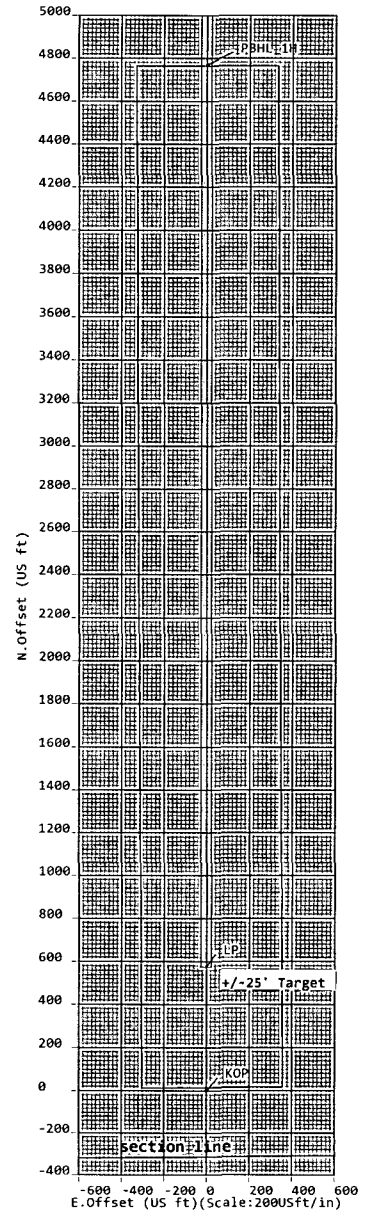
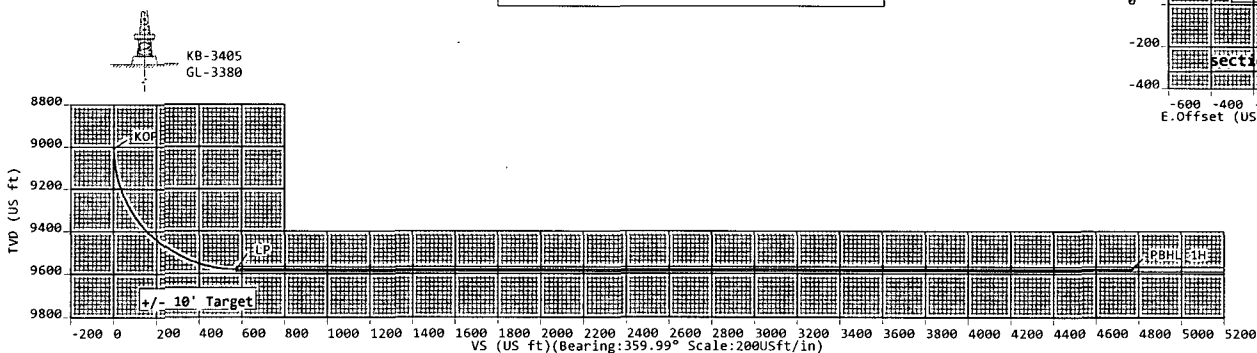
Plan Data for Gadwall 2 State 1H

Target Set Information:
Name: Gadwall 2 State 1H
Position offsets from Slot centre
Name TVD +N/-S +E/-W Northing Easting Shape Comment
(USft) (USft)(USft) (USft) (USft)
PBHL 1H 9580.00 4766.90 -0.81 617883.88 787507.11 Cuboid

Plan Data for Gadwall 2 State 1H

Well: Gadwall 2 State 1H
Type: Main-Well
File Number:
Plan Folder: P1 Plan: P1:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 359.99°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 48491(nT) 7.21° 60.57° 2015-10-15

Gadwall 2 State 1H



Sign Off: Russell Joyner

JUL 01 2015

HOBBS OCD
JUN 30 2015
RECEIVED

5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Gadwall 2 State 1H*
Well Name: *Gadwall 2 State 1H*
Plan: *P1:V1*

29 May 2015



Field Name Lea Co, NM Nad-83 NMEZ	Map Units : US ft Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD83 / New Mexico East (ftUS) Comment :	Company Name : Devon Energy
Site Name Gadwall 2 State 1H	Units : US ft North Reference : Grid Convergence Angle : 0.43 Position Northing : 613116.98 US ft Latitude : 32° 40' 58.62" Easting : 787507.92 US ft Longitude : -103° 31' 59.62" Elevation above Mean Sea Level: 3380.00 US ft Comment :	
Slot Name Gadwall 2 State 1H	Position (Offsets relative to Site Centre) +N / -S : 0.00 US ft Northing : 613116.98 US ft Latitude : 32°40'58.62" +E / -W : 0.00 US ft Easting : 787507.92 US ft Longitude : -103°31'59.62" Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 3380.00 US ft Comment :	
Well Name Gadwall 2 State 1H	Type : Main well Rig Height <i>Kelly Bushing</i> : 25.00 US ft Relative to Mean Sea Level: 3405.00 US ft Closure Distance : 4766.9 US ft Closure Azimuth : 359.99° Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 359.99° Magnetic Parameters Model : BGGM Field Strength : 48491.3nT Dec : 7.21° Dip : 60.57° Date : 15/Oct/2015	UWI : Plan : P1:V1 Comment :

Name : Gadwall 2 State 1H **Number of Targets :** 1

Target Name:	Position (Relative to Slot centre)		
PBHL 1H	+N / -S : 4766.90US ft	Northing : 617883.88 US ft	Latitude : 32°41'45.79"
	+E / -W : -0.81 US ft	Easting : 787507.11US ft	Longitude : -103°31'59.21"
Shape:	TVD (Kelly Bushing) : 9580.00 US ft		
Cuboid	Orientation	Azimuth : 0.00°	Inclination : 0.00°
	Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft Height : 20.00 US ft

[illegible]

5D Plan Report

Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	B.Rate (%/100 US ft)	T.Rate (%/100 US ft)	T.Face (°)	Comment
9007.04	0.00	0.00	9007.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9907.04	90.00	359.99	9580.00	572.96	-0.10	572.96	10.00	10.00	0.00	359.99	LP
14100.98	90.00	359.99	9580.00	4766.90	-0.81	4766.90	0.00	0.00	0.00	0.00	PBHL 1H

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)		Comment
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	613116.98	787507.92		
9007.04	0.00	0.00	9007.04	0.00	0.00	0.00	0.00	613116.98	787507.92		KOP
9100.00	9.30	359.99	9099.59	7.52	-0.00	7.52	10.00	613124.50	787507.92		
9200.00	19.30	359.99	9196.37	32.19	-0.01	32.19	10.00	613149.17	787507.91		
9300.00	29.30	359.99	9287.40	73.28	-0.01	73.28	10.00	613190.26	787507.91		
9400.00	39.30	359.99	9369.91	129.55	-0.02	129.55	10.00	613246.53	787507.90		
9500.00	49.30	359.99	9441.39	199.30	-0.03	199.30	10.00	613316.28	787507.89		
9600.00	59.30	359.99	9499.68	280.40	-0.05	280.40	10.00	613397.38	787507.87		
9700.00	69.30	359.99	9543.00	370.39	-0.06	370.39	10.00	613487.37	787507.86		
9800.00	79.30	359.99	9570.03	466.54	-0.08	466.54	10.00	613583.52	787507.84		
9900.00	89.30	359.99	9579.96	565.92	-0.10	565.92	10.00	613682.90	787507.82		
9907.04	90.00	359.99	9580.00	572.96	-0.10	572.96	10.00	613689.94	787507.82		LP
10000.00	90.00	359.99	9580.00	665.92	-0.11	665.92	0.00	613782.90	787507.81		
10100.00	90.00	359.99	9580.00	765.92	-0.13	765.92	0.00	613882.90	787507.79		
10200.00	90.00	359.99	9580.00	865.92	-0.15	865.92	0.00	613982.90	787507.77		
10300.00	90.00	359.99	9580.00	965.92	-0.16	965.92	0.00	614082.90	787507.76		
10400.00	90.00	359.99	9580.00	1065.92	-0.18	1065.92	0.00	614182.90	787507.74		
10500.00	90.00	359.99	9580.00	1165.92	-0.20	1165.92	0.00	614282.90	787507.72		
10600.00	90.00	359.99	9580.00	1265.92	-0.22	1265.92	0.00	614382.90	787507.70		
10700.00	90.00	359.99	9580.00	1365.92	-0.23	1365.92	0.00	614482.90	787507.69		
10800.00	90.00	359.99	9580.00	1465.92	-0.25	1465.92	0.00	614582.90	787507.67		
10900.00	90.00	359.99	9580.00	1565.92	-0.27	1565.92	0.00	614682.90	787507.65		
11000.00	90.00	359.99	9580.00	1665.92	-0.28	1665.92	0.00	614782.90	787507.64		
11100.00	90.00	359.99	9580.00	1765.92	-0.30	1765.92	0.00	614882.90	787507.62		
11200.00	90.00	359.99	9580.00	1865.92	-0.32	1865.92	0.00	614982.90	787507.60		
11300.00	90.00	359.99	9580.00	1965.92	-0.33	1965.92	0.00	615082.90	787507.59		
11400.00	90.00	359.99	9580.00	2065.92	-0.35	2065.92	0.00	615182.90	787507.57		
11500.00	90.00	359.99	9580.00	2165.92	-0.37	2165.92	0.00	615282.90	787507.55		
11600.00	90.00	359.99	9580.00	2265.92	-0.39	2265.92	0.00	615382.90	787507.53		
11700.00	90.00	359.99	9580.00	2365.92	-0.40	2365.92	0.00	615482.90	787507.52		
11800.00	90.00	359.99	9580.00	2465.92	-0.42	2465.92	0.00	615582.90	787507.50		
11900.00	90.00	359.99	9580.00	2565.92	-0.44	2565.92	0.00	615682.90	787507.48		
12000.00	90.00	359.99	9580.00	2665.92	-0.45	2665.92	0.00	615782.90	787507.47		
12100.00	90.00	359.99	9580.00	2765.92	-0.47	2765.92	0.00	615882.90	787507.45		
12200.00	90.00	359.99	9580.00	2865.92	-0.49	2865.92	0.00	615982.90	787507.43		
12300.00	90.00	359.99	9580.00	2965.92	-0.50	2965.92	0.00	616082.90	787507.42		
12400.00	90.00	359.99	9580.00	3065.92	-0.52	3065.92	0.00	616182.90	787507.40		
12500.00	90.00	359.99	9580.00	3165.92	-0.54	3165.92	0.00	616282.90	787507.38		
12600.00	90.00	359.99	9580.00	3265.92	-0.55	3265.92	0.00	616382.90	787507.37		
12700.00	90.00	359.99	9580.00	3365.92	-0.57	3365.92	0.00	616482.90	787507.35		
12800.00	90.00	359.99	9580.00	3465.92	-0.59	3465.92	0.00	616582.90	787507.33		
12900.00	90.00	359.99	9580.00	3565.92	-0.61	3565.92	0.00	616682.90	787507.31		
13000.00	90.00	359.99	9580.00	3665.92	-0.62	3665.92	0.00	616782.90	787507.30		
13100.00	90.00	359.99	9580.00	3765.92	-0.64	3765.92	0.00	616882.90	787507.28		
13200.00	90.00	359.99	9580.00	3865.92	-0.66	3865.92	0.00	616982.90	787507.26		
13300.00	90.00	359.99	9580.00	3965.92	-0.67	3965.92	0.00	617082.90	787507.25		
13400.00	90.00	359.99	9580.00	4065.92	-0.69	4065.92	0.00	617182.90	787507.23		
13500.00	90.00	359.99	9580.00	4165.92	-0.71	4165.92	0.00	617282.90	787507.21		
13600.00	90.00	359.99	9580.00	4265.92	-0.72	4265.92	0.00	617382.90	787507.20		
13700.00	90.00	359.99	9580.00	4365.92	-0.74	4365.92	0.00	617482.90	787507.18		
13800.00	90.00	359.99	9580.00	4465.92	-0.76	4465.92	0.00	617582.90	787507.16		
13900.00	90.00	359.99	9580.00	4565.92	-0.78	4565.92	0.00	617682.90	787507.14		

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
14000.00	90.00	359.99	9580.00	4665.92	-0.79	4665.92	0.00	617782.90	787507.13	
14100.00	90.00	359.99	9580.00	4765.92	-0.81	4765.92	0.00	617882.90	787507.11	
14100.98	90.00	359.99	9580.00	4766.90	-0.81	4766.90	0.00	617883.88	787507.11	PBHL 1H

**Weatherford®**

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date: May 29, 2015
Job Number: _____
Customer: Devon Energy
Well Name: Gadwall 2 State 1H
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: 613116.98 US Survey Foot	Latitude: 32.682951 Degree
East: 787507.92 US Survey Foot	Longitude: -103.533228 Degree
Convergence: 0.43°	
Declination: 7.21°	
Total Correction: 6.78°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 40' 58.62" N
Longitude = 103° 31' 59.62" W

Magnetic Declination = 7.21 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6729
Local Field Strength = 48491 nT	Magnetic Vector X = 23637 nT
Magnetic Dip = 60.57 deg	Magnetic Vector Y = 2989 nT
Magnetic Model = bggm2015.dat	Magnetic Vector Z = 42235 nT
Run Date = October 15, 2015	Magnetic Vector H = 23825 nT

Signed: _____ Date: _____

© 2013 Weatherford

Warning: This information is controlled, and any printed version is deemed as uncontrolled unless suitably endorsed by a controlling authority or accompanied by a controlled table of contents in order to ensure adequate revision control.