

HOBBS OCD

JUN 10 2014

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Chevron U.S.A. Inc.

Delaware Basin - Southern Lea County

Red Hills 2-25-33 3H

Red Hills 2-25-33 3H

Wellbore #1

Plan: Design #1

Standard Planning Report

05 June, 2014

JUN 11 2014

chevron
Planning Report

Database:	EDMSHARE_R5000	Local Co-ordinate Reference:	Site Red Hills 2-25-33 3H
Company:	Chevron U.S.A. Inc.	TVD Reference:	WELL @ 3451.5usft (Original Well Elev)
Project:	Delaware Basin - Southern Lea County	MD Reference:	WELL @ 3451.5usft (Original Well Elev)
Site:	Red Hills 2-25-33 3H	North Reference:	Grid
Well:	Red Hills 2-25-33 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Site Red Hills 2-25-33 3H			
Site Position:	Northing:	420,206.61 usft	Latitude: 32° 9' 10.033 N
From: Lat/Long	Easting:	745,076.96 usft	Longitude: 103° 32' 29.198 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16"	Grid Convergence: 0.42°

Well Red Hills 2-25-33 3H			
Well Position	+N/-S	0.0 usft	Northing: 420,206.61 usft
	+E/-W	0.0 usft	Latitude: 32° 9' 10.033 N
			Longitude: 103° 32' 29.198 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,427.0 usft

Wellbore Wellbore #1			
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	6/5/2014	(°) 7.20
			Dip Angle (°) 60.05
			Field Strength (nT) 48,246

Design Design #1			
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°) 359.70

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,022.5	0.00	0.00	9,022.5	0.0	0.0	0.00	0.00	0.00	0.00	
9,772.5	90.00	359.70	9,500.0	477.5	-2.5	12.00	12.00	0.00	359.70	
14,076.4	90.00	359.70	9,500.0	4,781.2	-25.0	0.00	0.00	0.00	0.00	RH2 3H BHL

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Company: Chevron U.S.A. Inc.
Project: Delaware Basin - Southern Lea County
Site: Red Hills 2-25-33 3H
Well: Red Hills 2-25-33 3H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Red Hills 2-25-33 3H
WELL @ 3451.5usft (Original Well Elev)
WELL @ 3451.5usft (Original Well Elev)
Grid
Minimum Curvature

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
9,022.5	0.00	0.00	9,022.5	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	9.30	359.70	9,099.7	6.3	0.0	6.3	12.00	12.00	0.00
9,200.0	21.30	359.70	9,195.9	32.8	-0.2	32.6	12.00	12.00	0.00
9,300.0	33.30	359.70	9,284.6	78.4	-0.4	78.4	12.00	12.00	0.00
9,400.0	45.30	359.70	9,361.8	141.6	-0.7	141.6	12.00	12.00	0.00
9,500.0	57.30	359.70	9,424.3	219.5	-1.1	219.5	12.00	12.00	0.00
9,600.0	69.30	359.70	9,469.2	308.7	-1.8	308.7	12.00	12.00	0.00
9,700.0	81.30	359.70	9,494.5	405.2	-2.1	405.2	12.00	12.00	0.00
9,772.5	90.00	359.70	9,500.0	477.5	-2.5	477.5	12.00	12.00	0.00
9,800.0	90.00	359.70	9,500.0	504.9	-2.6	504.9	0.00	0.00	0.00
9,900.0	90.00	359.70	9,500.0	604.9	-3.2	604.9	0.00	0.00	0.00
10,000.0	90.00	359.70	9,500.0	704.9	-3.7	704.9	0.00	0.00	0.00
10,100.0	90.00	359.70	9,500.0	804.9	-4.2	804.9	0.00	0.00	0.00
10,200.0	90.00	359.70	9,500.0	904.9	-4.7	904.9	0.00	0.00	0.00
10,300.0	90.00	359.70	9,500.0	1,004.9	-5.2	1,004.9	0.00	0.00	0.00
10,400.0	90.00	359.70	9,500.0	1,104.9	-5.8	1,104.9	0.00	0.00	0.00
10,500.0	90.00	359.70	9,500.0	1,204.9	-6.3	1,204.9	0.00	0.00	0.00
10,600.0	90.00	359.70	9,500.0	1,304.9	-6.8	1,304.9	0.00	0.00	0.00
10,700.0	90.00	359.70	9,500.0	1,404.9	-7.3	1,404.9	0.00	0.00	0.00
10,800.0	90.00	359.70	9,500.0	1,504.9	-7.9	1,504.9	0.00	0.00	0.00
10,900.0	90.00	359.70	9,500.0	1,604.9	-8.4	1,604.9	0.00	0.00	0.00
11,000.0	90.00	359.70	9,500.0	1,704.9	-8.9	1,704.9	0.00	0.00	0.00
11,100.0	90.00	359.70	9,500.0	1,804.9	-9.4	1,804.9	0.00	0.00	0.00
11,200.0	90.00	359.70	9,500.0	1,904.9	-9.9	1,904.9	0.00	0.00	0.00
11,300.0	90.00	359.70	9,500.0	2,004.9	-10.5	2,004.9	0.00	0.00	0.00
11,400.0	90.00	359.70	9,500.0	2,104.9	-11.0	2,104.9	0.00	0.00	0.00
11,500.0	90.00	359.70	9,500.0	2,204.9	-11.5	2,204.9	0.00	0.00	0.00
11,600.0	90.00	359.70	9,500.0	2,304.9	-12.0	2,304.9	0.00	0.00	0.00
11,700.0	90.00	359.70	9,500.0	2,404.9	-12.6	2,404.9	0.00	0.00	0.00
11,800.0	90.00	359.70	9,500.0	2,504.9	-13.1	2,504.9	0.00	0.00	0.00
11,900.0	90.00	359.70	9,500.0	2,604.9	-13.6	2,604.9	0.00	0.00	0.00
12,000.0	90.00	359.70	9,500.0	2,704.9	-14.1	2,704.9	0.00	0.00	0.00
12,100.0	90.00	359.70	9,500.0	2,804.9	-14.6	2,804.9	0.00	0.00	0.00
12,200.0	90.00	359.70	9,500.0	2,904.9	-15.2	2,904.9	0.00	0.00	0.00
12,300.0	90.00	359.70	9,500.0	3,004.9	-15.7	3,004.9	0.00	0.00	0.00
12,400.0	90.00	359.70	9,500.0	3,104.9	-16.2	3,104.9	0.00	0.00	0.00
12,500.0	90.00	359.70	9,500.0	3,204.9	-16.7	3,204.9	0.00	0.00	0.00
12,600.0	90.00	359.70	9,500.0	3,304.9	-17.3	3,304.9	0.00	0.00	0.00
12,700.0	90.00	359.70	9,500.0	3,404.9	-17.8	3,404.9	0.00	0.00	0.00
12,800.0	90.00	359.70	9,500.0	3,504.9	-18.3	3,504.9	0.00	0.00	0.00
12,900.0	90.00	359.70	9,500.0	3,604.9	-18.8	3,604.9	0.00	0.00	0.00
13,000.0	90.00	359.70	9,500.0	3,704.9	-19.3	3,704.9	0.00	0.00	0.00
13,100.0	90.00	359.70	9,500.0	3,804.9	-19.9	3,804.9	0.00	0.00	0.00
13,200.0	90.00	359.70	9,500.0	3,904.9	-20.4	3,904.9	0.00	0.00	0.00
13,300.0	90.00	359.70	9,500.0	4,004.9	-20.9	4,004.9	0.00	0.00	0.00
13,400.0	90.00	359.70	9,500.0	4,104.9	-21.4	4,104.9	0.00	0.00	0.00
13,500.0	90.00	359.70	9,500.0	4,204.9	-22.0	4,204.9	0.00	0.00	0.00
13,600.0	90.00	359.70	9,500.0	4,304.9	-22.5	4,304.9	0.00	0.00	0.00
13,700.0	90.00	359.70	9,500.0	4,404.9	-23.0	4,404.9	0.00	0.00	0.00
13,800.0	90.00	359.70	9,500.0	4,504.9	-23.5	4,504.9	0.00	0.00	0.00
13,900.0	90.00	359.70	9,500.0	4,604.9	-24.0	4,604.9	0.00	0.00	0.00
14,000.0	90.00	359.70	9,500.0	4,704.9	-24.6	4,704.9	0.00	0.00	0.00
14,076.4	90.00	359.70	9,500.0	4,781.2	-25.0	4,781.3	0.00	0.00	0.00

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Design:	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
RH2 3H BHL	0.00	0.00	9,500.0	4,781.2	-25.0	424,987.86	745,052.00	32° 9' 57.348 N	103° 32' 29.080 W
- plan hits target center									
- Point									

Red Hills 2-25-33 3H Pad Layout (330' x 370')

Ensign 153

