

Permian District

NM - Bone Spring Sand Project

McCloy Ranch 29-24-33 ST 2H

Well #1

Wellbore #1

Plan: Plat 20Feb13

Standard Planning Report

20 February, 2013

MAR 13 2013

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 29-24-33 ST 2H
Company:	Permian District	TVD Reference:	RKB @ 3556.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3556.0usft
Site:	McCloy Ranch 29-24-33 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 20Feb13		

Project	NM - Bone Spring Sand Project		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	McCloy Ranch 29-24-33 ST 2H		
Site Position:		Northing:	435,621.00 ft
From:	Map	Easting:	726,512.00 ft
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in
		Latitude:	32° 11' 43.86022304 N
		Longitude:	103° 36' 3.93212807 W
		Grid Convergence:	0.39 °

Well	Well #1		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,539.0 usft
		Latitude:	32° 11' 43.86022304 N
		Longitude:	103° 36' 3.93212807 W
		Ground Level:	3,539.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	2/20/2013	(°)
			7.39
			(°)
			60.11
			(nT)
			48,427

Design	Plat 20Feb13		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			179.59
			(°)

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,580.9	0.00	0.00	10,580.9	0.0	0.0	0.00	0.00	0.00	0.00	
11,332.6	90.20	179.59	11,058.4	-479.1	3.5	12.00	12.00	0.00	179.59	
15,707.6	90.20	179.59	11,043.1	-4,854.0	35.0	0.00	0.00	0.00	0.00	McCloy Ranch 29-2

Chesapeake Operating

Planning Report

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Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3556.0usft
Site:	McCloy Ranch 29-24-33 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 20Feb13		

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	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	

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5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,580.9	0.00	0.00	10,580.9	0.0	0.0	0.0	0.00	0.00	0.00	
10,600.0	2.29	179.59	10,600.0	-0.4	0.0	0.4	12.00	12.00	0.00	

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Well:	Well #1	Survey Calculation Method:	Minimum Curvature
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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)
10,625.0	5.29	179.59	10,624.9	-2.0	0.0	2.0	12.00	12.00	0.00
10,650.0	8.29	179.59	10,649.8	-5.0	0.0	5.0	12.00	12.00	0.00
10,675.0	11.29	179.59	10,674.4	-9.2	0.1	9.2	12.00	12.00	0.00
10,700.0	14.29	179.59	10,698.8	-14.8	0.1	14.8	12.00	12.00	0.00
10,725.0	17.29	179.59	10,722.8	-21.6	0.2	21.6	12.00	12.00	0.00
10,750.0	20.29	179.59	10,746.5	-29.6	0.2	29.6	12.00	12.00	0.00
10,775.0	23.29	179.59	10,769.7	-38.9	0.3	38.9	12.00	12.00	0.00
10,800.0	26.29	179.59	10,792.4	-49.4	0.4	49.4	12.00	12.00	0.00
10,825.0	29.29	179.59	10,814.5	-61.0	0.4	61.0	12.00	12.00	0.00
10,850.0	32.29	179.59	10,836.0	-73.8	0.5	73.8	12.00	12.00	0.00
10,875.0	35.29	179.59	10,856.8	-87.7	0.6	87.7	12.00	12.00	0.00
10,900.0	38.29	179.59	10,876.8	-102.7	0.7	102.7	12.00	12.00	0.00
10,925.0	41.29	179.59	10,896.0	-118.7	0.9	118.7	12.00	12.00	0.00
10,950.0	44.29	179.59	10,914.3	-135.7	1.0	135.7	12.00	12.00	0.00
10,975.0	47.29	179.59	10,931.8	-153.6	1.1	153.6	12.00	12.00	0.00
11,000.0	50.29	179.59	10,948.2	-172.4	1.2	172.4	12.00	12.00	0.00
11,025.0	53.29	179.59	10,963.7	-192.1	1.4	192.1	12.00	12.00	0.00
11,050.0	56.29	179.59	10,978.1	-212.5	1.5	212.5	12.00	12.00	0.00
11,075.0	59.29	179.59	10,991.4	-233.6	1.7	233.6	12.00	12.00	0.00
11,100.0	62.29	179.59	11,003.6	-255.4	1.8	255.5	12.00	12.00	0.00
11,125.0	65.29	179.59	11,014.7	-277.9	2.0	277.9	12.00	12.00	0.00
11,150.0	68.29	179.59	11,024.5	-300.8	2.2	300.9	12.00	12.00	0.00
11,175.0	71.29	179.59	11,033.1	-324.3	2.3	324.3	12.00	12.00	0.00
11,200.0	74.29	179.59	11,040.5	-348.2	2.5	348.2	12.00	12.00	0.00
11,225.0	77.29	179.59	11,046.7	-372.4	2.7	372.4	12.00	12.00	0.00
11,250.0	80.29	179.59	11,051.5	-396.9	2.9	396.9	12.00	12.00	0.00
11,275.0	83.29	179.59	11,055.1	-421.7	3.0	421.7	12.00	12.00	0.00
11,300.0	86.29	179.59	11,057.4	-446.6	3.2	446.6	12.00	12.00	0.00
11,325.0	89.29	179.59	11,058.3	-471.5	3.4	471.6	12.00	12.00	0.00
11,332.6	90.20	179.59	11,058.4	-479.1	3.5	479.1	12.00	12.00	0.00
11,400.0	90.20	179.59	11,058.1	-546.5	3.9	546.6	0.00	0.00	0.00
11,500.0	90.20	179.59	11,057.8	-646.5	4.7	646.6	0.00	0.00	0.00
11,600.0	90.20	179.59	11,057.4	-746.5	5.4	746.6	0.00	0.00	0.00
11,700.0	90.20	179.59	11,057.1	-846.5	6.1	846.6	0.00	0.00	0.00
11,800.0	90.20	179.59	11,056.7	-946.5	6.8	946.6	0.00	0.00	0.00
11,900.0	90.20	179.59	11,056.4	-1,046.5	7.5	1,046.6	0.00	0.00	0.00
12,000.0	90.20	179.59	11,056.0	-1,146.5	8.3	1,146.6	0.00	0.00	0.00
12,100.0	90.20	179.59	11,055.7	-1,246.5	9.0	1,246.6	0.00	0.00	0.00
12,200.0	90.20	179.59	11,055.3	-1,346.5	9.7	1,346.5	0.00	0.00	0.00
12,300.0	90.20	179.59	11,055.0	-1,446.5	10.4	1,446.5	0.00	0.00	0.00
12,400.0	90.20	179.59	11,054.6	-1,546.5	11.2	1,546.5	0.00	0.00	0.00
12,500.0	90.20	179.59	11,054.3	-1,646.5	11.9	1,646.5	0.00	0.00	0.00
12,600.0	90.20	179.59	11,053.9	-1,746.5	12.6	1,746.5	0.00	0.00	0.00
12,700.0	90.20	179.59	11,053.6	-1,846.5	13.3	1,846.5	0.00	0.00	0.00
12,800.0	90.20	179.59	11,053.2	-1,946.5	14.0	1,946.5	0.00	0.00	0.00
12,900.0	90.20	179.59	11,052.9	-2,046.5	14.8	2,046.5	0.00	0.00	0.00
13,000.0	90.20	179.59	11,052.6	-2,146.5	15.5	2,146.5	0.00	0.00	0.00
13,100.0	90.20	179.59	11,052.2	-2,246.5	16.2	2,246.5	0.00	0.00	0.00
13,200.0	90.20	179.59	11,051.9	-2,346.5	16.9	2,346.5	0.00	0.00	0.00
13,300.0	90.20	179.59	11,051.5	-2,446.5	17.6	2,446.5	0.00	0.00	0.00
13,400.0	90.20	179.59	11,051.2	-2,546.5	18.4	2,546.5	0.00	0.00	0.00
13,500.0	90.20	179.59	11,050.8	-2,646.5	19.1	2,646.5	0.00	0.00	0.00
13,600.0	90.20	179.59	11,050.5	-2,746.5	19.8	2,746.5	0.00	0.00	0.00
13,700.0	90.20	179.59	11,050.1	-2,846.5	20.5	2,846.5	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 29-24-33 ST 2H
Company:	Permian District	TVD Reference:	RKB @ 3556.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3556.0usft
Site:	McCloy Ranch 29-24-33 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 20Feb13		

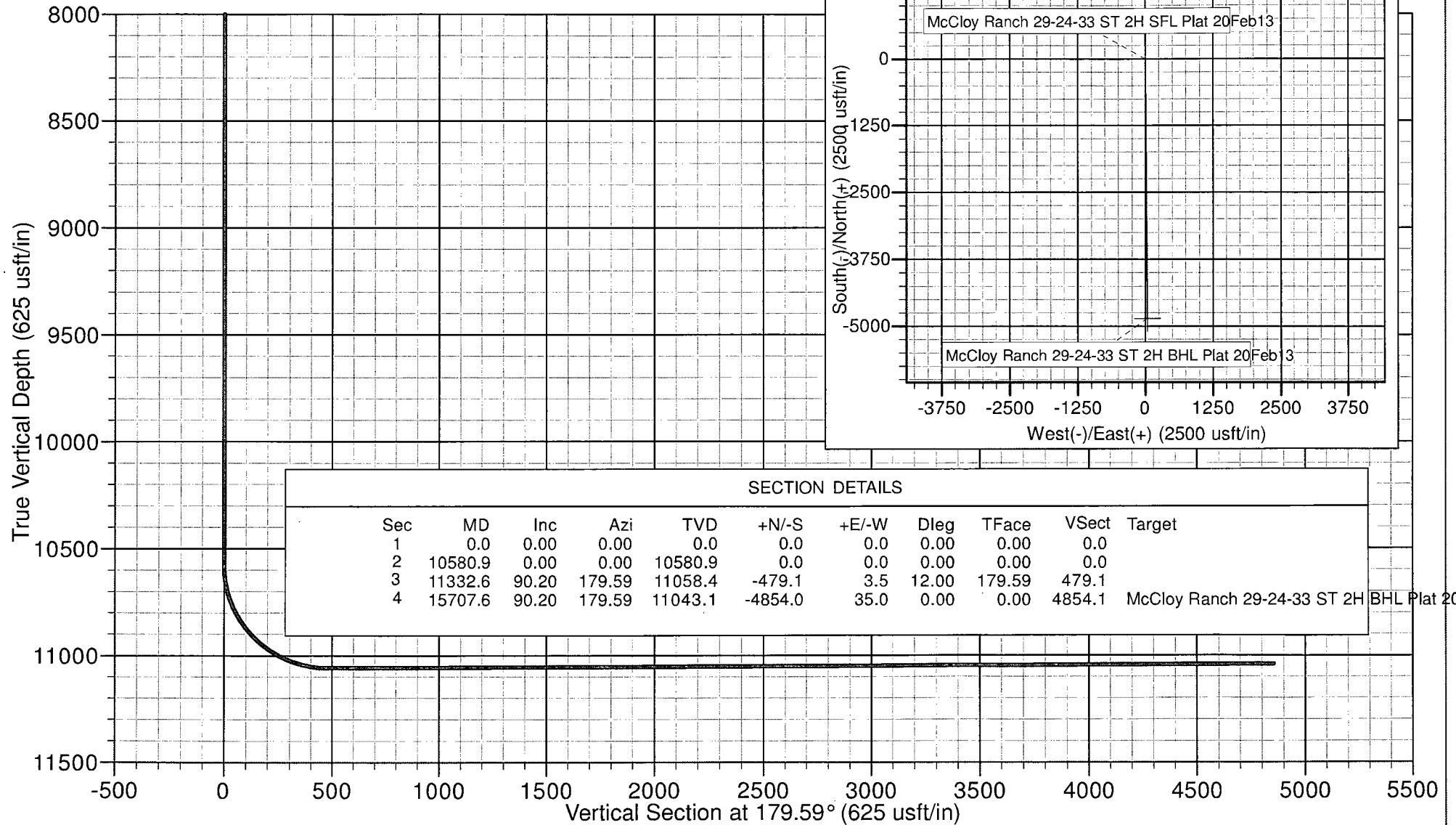
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,800.0	90.20	179.59	11,049.8	-2,946.5	21.2	2,946.5	0.00	0.00	0.00	
13,900.0	90.20	179.59	11,049.4	-3,046.5	22.0	3,046.5	0.00	0.00	0.00	
14,000.0	90.20	179.59	11,049.1	-3,146.5	22.7	3,146.5	0.00	0.00	0.00	
14,100.0	90.20	179.59	11,048.7	-3,246.5	23.4	3,246.5	0.00	0.00	0.00	
14,200.0	90.20	179.59	11,048.4	-3,346.5	24.1	3,346.5	0.00	0.00	0.00	
14,300.0	90.20	179.59	11,048.0	-3,446.4	24.9	3,446.5	0.00	0.00	0.00	
14,400.0	90.20	179.59	11,047.7	-3,546.4	25.6	3,546.5	0.00	0.00	0.00	
14,500.0	90.20	179.59	11,047.3	-3,646.4	26.3	3,646.5	0.00	0.00	0.00	
14,600.0	90.20	179.59	11,047.0	-3,746.4	27.0	3,746.5	0.00	0.00	0.00	
14,700.0	90.20	179.59	11,046.6	-3,846.4	27.7	3,846.5	0.00	0.00	0.00	
14,800.0	90.20	179.59	11,046.3	-3,946.4	28.5	3,946.5	0.00	0.00	0.00	
14,900.0	90.20	179.59	11,045.9	-4,046.4	29.2	4,046.5	0.00	0.00	0.00	
15,000.0	90.20	179.59	11,045.6	-4,146.4	29.9	4,146.5	0.00	0.00	0.00	
15,100.0	90.20	179.59	11,045.2	-4,246.4	30.6	4,246.5	0.00	0.00	0.00	
15,200.0	90.20	179.59	11,044.9	-4,346.4	31.3	4,346.5	0.00	0.00	0.00	
15,300.0	90.20	179.59	11,044.5	-4,446.4	32.1	4,446.5	0.00	0.00	0.00	
15,400.0	90.20	179.59	11,044.2	-4,546.4	32.8	4,546.5	0.00	0.00	0.00	
15,500.0	90.20	179.59	11,043.8	-4,646.4	33.5	4,646.5	0.00	0.00	0.00	
15,600.0	90.20	179.59	11,043.5	-4,746.4	34.2	4,746.5	0.00	0.00	0.00	
15,707.6	90.20	179.59	11,043.1	-4,854.0	35.0	4,854.1	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
McCloy Ranch 29-24-	0.00	0.00	0.0	0.0	0.0	435,621.00	726,512.00	11° 43.86022304 N° 36'	3.93212807 W	
- plan hits target center										
- Point										
McCloy Ranch 29-24-	0.00	0.00	11,043.1	-4,854.0	35.0	430,767.00	726,547.00	10° 55.82458219 N° 36'	3.90941797 W	
- plan hits target center										
- Point										

Project: NM - Bone Spring Sand Project
 Site: McCloy Ranch 29-24-33 ST 2H
 Well: Well #1
 Wellbore: Wellbore #1
 Design: Plat 20Feb13

PROJECT DETAILS: NM - Bone Spring Sand Project

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level





New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Subbasin	County	Q 6	Q 16	Q 4	Sec	Tws	Rng	X	Depth Y	Depth Well	Water Column
<u>C 02310</u>			LE	2	3	2	33	24S	33E	634437	3560918*	120	70 50
<u>C 02311</u>			LE	2	3	2	33	24S	33E	634437	3560918*	120	70 50
<u>C 02563</u>			LE	1	4	2	33	24S	33E	634639	3560923*	120	
<u>C 02564</u>			LE	2	4	2	33	24S	33E	634839	3560923*	120	
<u>C 02890</u>			LE		2	4	29	24S	33E	633114	3562012*	500	
Average Depth to Water:												70 feet	
Minimum Depth:												70 feet	
Maximum Depth:												70 feet	

Record Count: 5

Basin/County Search:

Basin: Carlsbad

County: Lea

PLSS Search:

Section(s): 19, 20, 21, 28,
29, 30, 31, 23,
33

Township: 24S

Range: 33E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/3/13 11:22 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER