

30-025-44039

One Energy Partners

WELL DETAILS: Cannon BS2 State Com 1H

GE 3550.1 + 25 KB @ 3575.1 usft (25' KB)
Ground Level: 3550.1

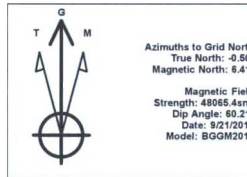
0.0 0.0 Northing 499292.52 Easting 788187.29 Latitude 32° 22' 9.175 N Longitude 103° 23' 59.781 W

SECTION DETAILS

Plan #1

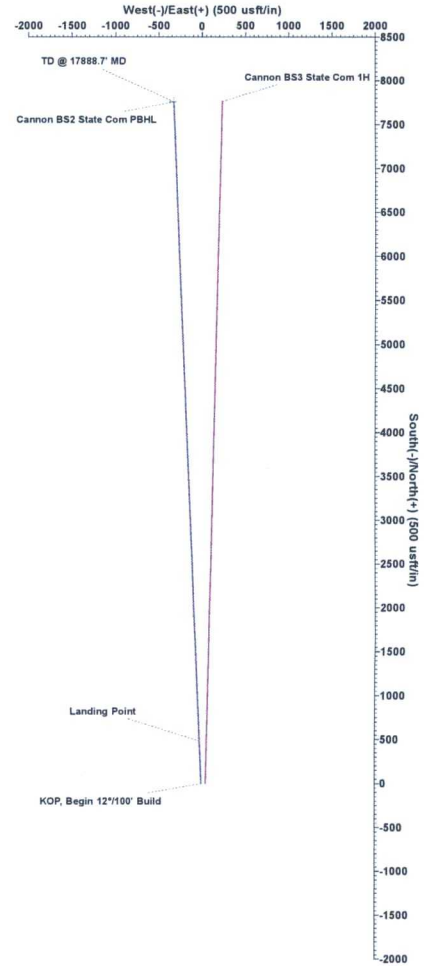
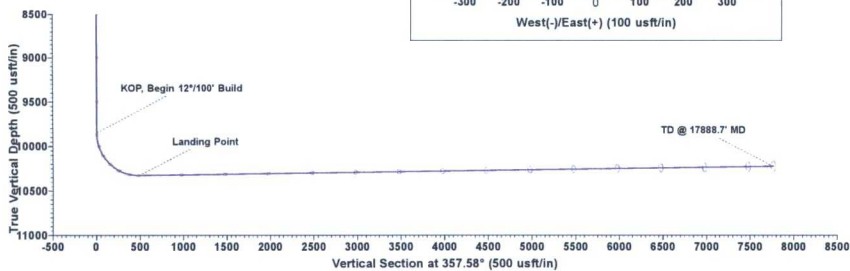
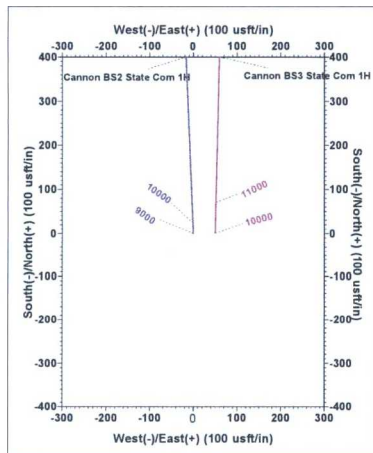
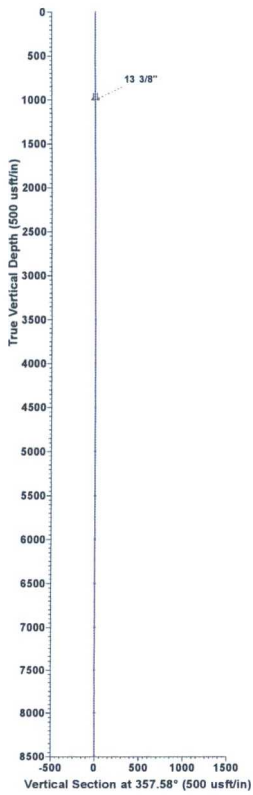
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
2	9850.8	0.00	0.00	9850.8	0.0	0.0	0.00	0.0	KOP, Begin 12"/100' Build
3	10607.5	90.80	357.58	10328.3	483.7	-20.5	12.00	484.1	Landing Point
4	17888.7	90.80	357.58	10226.6	7757.6	-328.4	0.00	7764.6	TD @ 17888.7' MD

Lea County, NM (NAD 27)
Cannon B Pad
Cannon BS2 State Com 1H
Wellbore #1
Plan #1
25' KB



CASING DETAILS

TVD	MD	Name
1000.0	1000.0	13 3/8"



HALLIBURTON | Sperry Drilling

Created By: Bethany Johnson 10/12, September 22 2017

25' KB

One Energy Partners

Lea County, NM (NAD 27) Cannon B Pad

API#

Cannon BS2 State Com 1H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services

Combo Report

22 September, 2017

Well Coordinates: 32° 22' 09.18" N
103° 23' 59.78" W

NAD 1927 (NADCON CONUS)
New Mexico East 3001
499,292.52 N
788,187.29 E

Ground Level: 3,550.10 usft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Centered on Well Cannon BS2 State Com 1H

GE 3550.1 + 25 KB @ 3575.1usft (25' KB)

N

Grid

API - US Survey Feet

Version: 5000.1 Build: 81D

Report Version: Midcon Combo v1.11

HALLIBURTON

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
0.0	0.00	0.00	-3,575.1	0.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
100.0	0.00	0.00	-3,475.1	100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
200.0	0.00	0.00	-3,375.1	200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
300.0	0.00	0.00	-3,275.1	300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
400.0	0.00	0.00	-3,175.1	400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
500.0	0.00	0.00	-3,075.1	500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
600.0	0.00	0.00	-2,975.1	600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
700.0	0.00	0.00	-2,875.1	700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
800.0	0.00	0.00	-2,775.1	800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
900.0	0.00	0.00	-2,675.1	900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,000.0	0.00	0.00	-2,575.1	1,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,100.0	0.00	0.00	-2,475.1	1,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,200.0	0.00	0.00	-2,375.1	1,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,300.0	0.00	0.00	-2,275.1	1,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,400.0	0.00	0.00	-2,175.1	1,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,500.0	0.00	0.00	-2,075.1	1,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,600.0	0.00	0.00	-1,975.1	1,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,700.0	0.00	0.00	-1,875.1	1,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,800.0	0.00	0.00	-1,775.1	1,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
1,875.0	0.00	0.00	-1,700.1	1,875.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Rustler
1,900.0	0.00	0.00	-1,675.1	1,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,000.0	0.00	0.00	-1,575.1	2,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,075.0	0.00	0.00	-1,500.1	2,075.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Top of Salt
2,100.0	0.00	0.00	-1,475.1	2,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,200.0	0.00	0.00	-1,375.1	2,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,300.0	0.00	0.00	-1,275.1	2,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,400.0	0.00	0.00	-1,175.1	2,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,500.0	0.00	0.00	-1,075.1	2,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,600.0	0.00	0.00	-975.1	2,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,700.0	0.00	0.00	-875.1	2,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,800.0	0.00	0.00	-775.1	2,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
2,900.0	0.00	0.00	-675.1	2,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,000.0	0.00	0.00	-575.1	3,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,100.0	0.00	0.00	-475.1	3,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,200.0	0.00	0.00	-375.1	3,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,300.0	0.00	0.00	-275.1	3,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,400.0	0.00	0.00	-175.1	3,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,500.0	0.00	0.00	-75.1	3,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,600.0	0.00	0.00	24.9	3,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,700.0	0.00	0.00	124.9	3,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,800.0	0.00	0.00	224.9	3,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
3,900.0	0.00	0.00	324.9	3,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
3,925.0	0.00	0.00	349.9	3,925.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,000.0	0.00	0.00	424.9	4,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Base of Salt
4,100.0	0.00	0.00	524.9	4,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,200.0	0.00	0.00	624.9	4,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,300.0	0.00	0.00	724.9	4,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,400.0	0.00	0.00	824.9	4,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,500.0	0.00	0.00	924.9	4,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,600.0	0.00	0.00	1,024.9	4,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,700.0	0.00	0.00	1,124.9	4,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,800.0	0.00	0.00	1,224.9	4,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
4,900.0	0.00	0.00	1,324.9	4,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,000.0	0.00	0.00	1,424.9	5,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,100.0	0.00	0.00	1,524.9	5,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,200.0	0.00	0.00	1,624.9	5,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,300.0	0.00	0.00	1,724.9	5,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,400.0	0.00	0.00	1,824.9	5,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,500.0	0.00	0.00	1,924.9	5,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,600.0	0.00	0.00	2,024.9	5,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,700.0	0.00	0.00	2,124.9	5,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,775.0	0.00	0.00	2,199.9	5,775.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Delaware
5,800.0	0.00	0.00	2,224.9	5,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
5,900.0	0.00	0.00	2,324.9	5,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,000.0	0.00	0.00	2,424.9	6,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,100.0	0.00	0.00	2,524.9	6,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,200.0	0.00	0.00	2,624.9	6,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,300.0	0.00	0.00	2,724.9	6,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,400.0	0.00	0.00	2,824.9	6,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,500.0	0.00	0.00	2,924.9	6,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,600.0	0.00	0.00	3,024.9	6,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,700.0	0.00	0.00	3,124.9	6,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,800.0	0.00	0.00	3,224.9	6,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
6,900.0	0.00	0.00	3,324.9	6,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,000.0	0.00	0.00	3,424.9	7,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,100.0	0.00	0.00	3,524.9	7,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,200.0	0.00	0.00	3,624.9	7,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,300.0	0.00	0.00	3,724.9	7,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,400.0	0.00	0.00	3,824.9	7,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,500.0	0.00	0.00	3,924.9	7,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,600.0	0.00	0.00	4,024.9	7,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,700.0	0.00	0.00	4,124.9	7,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
7,800.0	0.00	0.00	4,224.9	7,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
7,900.0	0.00	0.00	4,324.9	7,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,000.0	0.00	0.00	4,424.9	8,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,100.0	0.00	0.00	4,524.9	8,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,200.0	0.00	0.00	4,624.9	8,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,300.0	0.00	0.00	4,724.9	8,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,400.0	0.00	0.00	4,824.9	8,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,435.0	0.00	0.00	4,859.9	8,435.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Bone Spring
8,500.0	0.00	0.00	4,924.9	8,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,575.0	0.00	0.00	4,999.9	8,575.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	Avalon
8,600.0	0.00	0.00	5,024.9	8,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,700.0	0.00	0.00	5,124.9	8,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,800.0	0.00	0.00	5,224.9	8,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
8,900.0	0.00	0.00	5,324.9	8,900.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,000.0	0.00	0.00	5,424.9	9,000.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,100.0	0.00	0.00	5,524.9	9,100.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,125.0	0.00	0.00	5,549.9	9,125.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	1st Bone Spring
9,200.0	0.00	0.00	5,624.9	9,200.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,300.0	0.00	0.00	5,724.9	9,300.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,400.0	0.00	0.00	5,824.9	9,400.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,500.0	0.00	0.00	5,924.9	9,500.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,600.0	0.00	0.00	6,024.9	9,600.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	2nd Bone Spring
9,700.0	0.00	0.00	6,124.9	9,700.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,800.0	0.00	0.00	6,224.9	9,800.0	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	
9,850.8	0.00	0.00	6,275.7	9,850.8	0.00 N	0.00 E	499,292.52	788,187.29	0.00	0.0	KOP, Begin 12°/100' Build
9,875.0	2.90	357.58	6,299.9	9,875.0	0.61 N	0.03 W	499,293.13	788,187.26	12.00	0.6	
9,900.0	5.90	357.58	6,324.8	9,899.9	2.53 N	0.11 W	499,295.05	788,187.18	12.00	2.5	
9,925.0	8.90	357.58	6,349.6	9,924.7	5.74 N	0.24 W	499,298.26	788,187.05	12.00	5.7	
9,950.0	11.90	357.58	6,374.2	9,949.3	10.25 N	0.43 W	499,302.77	788,186.86	12.00	10.3	
9,975.0	14.90	357.58	6,398.5	9,973.6	16.04 N	0.68 W	499,308.56	788,186.61	12.00	16.1	
10,000.0	17.90	357.58	6,422.5	9,997.6	23.09 N	0.98 W	499,315.61	788,186.31	12.00	23.1	
10,025.0	20.90	357.58	6,446.1	10,021.2	31.38 N	1.33 W	499,323.90	788,185.96	12.00	31.4	
10,050.0	23.90	357.58	6,469.2	10,044.3	40.90 N	1.73 W	499,333.42	788,185.56	12.00	40.9	
10,075.0	26.90	357.58	6,491.8	10,066.9	51.61 N	2.18 W	499,344.13	788,185.11	12.00	51.7	
10,100.0	29.90	357.58	6,513.7	10,088.8	63.49 N	2.69 W	499,356.01	788,184.60	12.00	63.5	
10,125.0	32.90	357.58	6,535.1	10,110.2	76.50 N	3.24 W	499,369.02	788,184.05	12.00	76.6	
10,150.0	35.90	357.58	6,555.7	10,130.8	90.61 N	3.84 W	499,383.13	788,183.45	12.00	90.7	
10,175.0	38.90	357.58	6,575.6	10,150.7	105.78 N	4.48 W	499,398.30	788,182.81	12.00	105.9	
10,200.0	41.90	357.58	6,594.6	10,169.7	121.97 N	5.16 W	499,414.49	788,182.13	12.00	122.1	
10,225.0	44.90	357.58	6,612.8	10,187.9	139.13 N	5.89 W	499,431.65	788,181.40	12.00	139.3	
10,250.0	47.90	357.58	6,630.0	10,205.1	157.21 N	6.65 W	499,449.73	788,180.64	12.00	157.4	

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
10,275.0	50.90	357.58	6,646.3	10,221.4	176.17 N	7.46 W	499,468.69	788,179.83	12.00	176.3	
10,300.0	53.90	357.58	6,661.5	10,236.6	195.96 N	8.30 W	499,488.48	788,178.99	12.00	196.1	
10,325.0	56.90	357.58	6,675.7	10,250.8	216.52 N	9.17 W	499,509.04	788,178.12	12.00	216.7	
10,350.0	59.90	357.58	6,688.8	10,263.9	237.79 N	10.07 W	499,530.31	788,177.22	12.00	238.0	
10,375.0	62.90	357.58	6,700.8	10,275.9	259.72 N	10.99 W	499,552.24	788,176.30	12.00	259.9	
10,400.0	65.90	357.58	6,711.6	10,286.7	282.24 N	11.95 W	499,574.76	788,175.34	12.00	282.5	
10,425.0	68.90	357.58	6,721.2	10,296.3	305.30 N	12.92 W	499,597.82	788,174.37	12.00	305.6	
10,450.0	71.90	357.58	6,729.6	10,304.7	328.82 N	13.92 W	499,621.34	788,173.37	12.00	329.1	
10,475.0	74.90	357.58	6,736.7	10,311.8	352.76 N	14.93 W	499,645.28	788,172.36	12.00	353.1	
10,500.0	77.90	357.58	6,742.6	10,317.7	377.03 N	15.96 W	499,669.55	788,171.33	12.00	377.4	
10,525.0	80.90	357.58	6,747.2	10,322.3	401.58 N	17.00 W	499,694.10	788,170.29	12.00	401.9	
10,550.0	83.90	357.58	6,750.5	10,325.6	426.34 N	18.05 W	499,718.86	788,169.24	12.00	426.7	
10,575.0	86.90	357.58	6,752.5	10,327.6	451.23 N	19.10 W	499,743.75	788,168.19	12.00	451.6	
10,600.0	89.90	357.58	6,753.2	10,328.3	476.20 N	20.16 W	499,768.72	788,167.13	12.00	476.6	
10,607.5	90.80	357.58	6,753.2	10,328.3	483.70 N	20.48 W	499,776.22	788,166.81	12.00	484.1	Landing Point
10,700.0	90.80	357.58	6,751.9	10,327.0	576.10 N	24.39 W	499,868.62	788,162.90	0.00	576.6	
10,800.0	90.80	357.58	6,750.5	10,325.6	676.00 N	28.62 W	499,968.52	788,158.67	0.00	676.6	
10,900.0	90.80	357.58	6,749.1	10,324.2	775.90 N	32.84 W	500,068.42	788,154.45	0.00	776.6	
11,000.0	90.80	357.58	6,747.7	10,322.8	875.80 N	37.07 W	500,168.32	788,150.22	0.00	876.6	
11,100.0	90.80	357.58	6,746.3	10,321.4	975.70 N	41.30 W	500,268.22	788,145.99	0.00	976.6	
11,200.0	90.80	357.58	6,744.9	10,320.0	1,075.60 N	45.53 W	500,368.12	788,141.76	0.00	1,076.6	
11,300.0	90.80	357.58	6,743.5	10,318.6	1,175.50 N	49.76 W	500,468.02	788,137.53	0.00	1,176.6	
11,400.0	90.80	357.58	6,742.1	10,317.2	1,275.40 N	53.99 W	500,567.92	788,133.30	0.00	1,276.5	
11,500.0	90.80	357.58	6,740.7	10,315.8	1,375.30 N	58.22 W	500,667.82	788,129.07	0.00	1,376.5	
11,600.0	90.80	357.58	6,739.3	10,314.4	1,475.20 N	62.45 W	500,767.72	788,124.84	0.00	1,476.5	
11,700.0	90.80	357.58	6,737.9	10,313.0	1,575.10 N	66.68 W	500,867.62	788,120.61	0.00	1,576.5	
11,800.0	90.80	357.58	6,736.5	10,311.6	1,675.01 N	70.91 W	500,967.53	788,116.38	0.00	1,676.5	
11,900.0	90.80	357.58	6,735.1	10,310.2	1,774.91 N	75.13 W	501,067.43	788,112.16	0.00	1,776.5	
12,000.0	90.80	357.58	6,733.7	10,308.8	1,874.81 N	79.36 W	501,167.33	788,107.93	0.00	1,876.5	
12,100.0	90.80	357.58	6,732.3	10,307.4	1,974.71 N	83.59 W	501,267.23	788,103.70	0.00	1,976.5	
12,200.0	90.80	357.58	6,730.9	10,306.0	2,074.61 N	87.82 W	501,367.13	788,099.47	0.00	2,076.5	
12,300.0	90.80	357.58	6,729.5	10,304.6	2,174.51 N	92.05 W	501,467.03	788,095.24	0.00	2,176.5	
12,400.0	90.80	357.58	6,728.1	10,303.2	2,274.41 N	96.28 W	501,566.93	788,091.01	0.00	2,276.4	
12,500.0	90.80	357.58	6,726.7	10,301.8	2,374.31 N	100.51 W	501,666.83	788,086.78	0.00	2,376.4	
12,600.0	90.80	357.58	6,725.3	10,300.4	2,474.21 N	104.74 W	501,766.73	788,082.55	0.00	2,476.4	
12,700.0	90.80	357.58	6,723.9	10,299.0	2,574.11 N	108.97 W	501,866.63	788,078.32	0.00	2,576.4	
12,800.0	90.80	357.58	6,722.5	10,297.6	2,674.01 N	113.19 W	501,966.53	788,074.10	0.00	2,676.4	
12,900.0	90.80	357.58	6,721.2	10,296.3	2,773.91 N	117.42 W	502,066.43	788,069.87	0.00	2,776.4	
13,000.0	90.80	357.58	6,719.8	10,294.9	2,873.82 N	121.65 W	502,166.34	788,065.64	0.00	2,876.4	
13,100.0	90.80	357.58	6,718.4	10,293.5	2,973.72 N	125.88 W	502,266.24	788,061.41	0.00	2,976.4	
13,200.0	90.80	357.58	6,717.0	10,292.1	3,073.62 N	130.11 W	502,366.14	788,057.18	0.00	3,076.4	

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
13,300.0	90.80	357.58	6,715.6	10,290.7	3,173.52 N	134.34 W	502,466.04	788,052.95	0.00	3,176.4	
13,400.0	90.80	357.58	6,714.2	10,289.3	3,273.42 N	138.57 W	502,565.94	788,048.72	0.00	3,276.3	
13,500.0	90.80	357.58	6,712.8	10,287.9	3,373.32 N	142.80 W	502,665.84	788,044.49	0.00	3,376.3	
13,600.0	90.80	357.58	6,711.4	10,286.5	3,473.22 N	147.03 W	502,765.74	788,040.26	0.00	3,476.3	
13,700.0	90.80	357.58	6,710.0	10,285.1	3,573.12 N	151.25 W	502,865.64	788,036.04	0.00	3,576.3	
13,800.0	90.80	357.58	6,708.6	10,283.7	3,673.02 N	155.48 W	502,965.54	788,031.81	0.00	3,676.3	
13,900.0	90.80	357.58	6,707.2	10,282.3	3,772.92 N	159.71 W	503,065.44	788,027.58	0.00	3,776.3	
14,000.0	90.80	357.58	6,705.8	10,280.9	3,872.82 N	163.94 W	503,165.34	788,023.35	0.00	3,876.3	
14,100.0	90.80	357.58	6,704.4	10,279.5	3,972.72 N	168.17 W	503,265.24	788,019.12	0.00	3,976.3	
14,200.0	90.80	357.58	6,703.0	10,278.1	4,072.62 N	172.40 W	503,365.14	788,014.89	0.00	4,076.3	
14,300.0	90.80	357.58	6,701.6	10,276.7	4,172.53 N	176.63 W	503,465.05	788,010.66	0.00	4,176.3	
14,400.0	90.80	357.58	6,700.2	10,275.3	4,272.43 N	180.86 W	503,564.95	788,006.43	0.00	4,276.3	
14,500.0	90.80	357.58	6,698.8	10,273.9	4,372.33 N	185.09 W	503,664.85	788,002.20	0.00	4,376.2	
14,600.0	90.80	357.58	6,697.4	10,272.5	4,472.23 N	189.31 W	503,764.75	787,997.98	0.00	4,476.2	
14,700.0	90.80	357.58	6,696.0	10,271.1	4,572.13 N	193.54 W	503,864.65	787,993.75	0.00	4,576.2	
14,800.0	90.80	357.58	6,694.6	10,269.7	4,672.03 N	197.77 W	503,964.55	787,989.52	0.00	4,676.2	
14,900.0	90.80	357.58	6,693.2	10,268.3	4,771.93 N	202.00 W	504,064.45	787,985.29	0.00	4,776.2	
15,000.0	90.80	357.58	6,691.8	10,266.9	4,871.83 N	206.23 W	504,164.35	787,981.06	0.00	4,876.2	
15,100.0	90.80	357.58	6,690.4	10,265.5	4,971.73 N	210.46 W	504,264.25	787,976.83	0.00	4,976.2	
15,200.0	90.80	357.58	6,689.0	10,264.1	5,071.63 N	214.69 W	504,364.15	787,972.60	0.00	5,076.2	
15,300.0	90.80	357.58	6,687.6	10,262.7	5,171.53 N	218.92 W	504,464.05	787,968.37	0.00	5,176.2	
15,400.0	90.80	357.58	6,686.2	10,261.3	5,271.43 N	223.15 W	504,563.95	787,964.14	0.00	5,276.2	
15,500.0	90.80	357.58	6,684.9	10,260.0	5,371.33 N	227.38 W	504,663.85	787,959.91	0.00	5,376.1	
15,600.0	90.80	357.58	6,683.5	10,258.6	5,471.24 N	231.60 W	504,763.76	787,955.69	0.00	5,476.1	
15,700.0	90.80	357.58	6,682.1	10,257.2	5,571.14 N	235.83 W	504,863.66	787,951.46	0.00	5,576.1	
15,800.0	90.80	357.58	6,680.7	10,255.8	5,671.04 N	240.06 W	504,963.56	787,947.23	0.00	5,676.1	
15,900.0	90.80	357.58	6,679.3	10,254.4	5,770.94 N	244.29 W	505,063.46	787,943.00	0.00	5,776.1	
16,000.0	90.80	357.58	6,677.9	10,253.0	5,870.84 N	248.52 W	505,163.36	787,938.77	0.00	5,876.1	
16,100.0	90.80	357.58	6,676.5	10,251.6	5,970.74 N	252.75 W	505,263.26	787,934.54	0.00	5,976.1	
16,200.0	90.80	357.58	6,675.1	10,250.2	6,070.64 N	256.98 W	505,363.16	787,930.31	0.00	6,076.1	
16,300.0	90.80	357.58	6,673.7	10,248.8	6,170.54 N	261.21 W	505,463.06	787,926.08	0.00	6,176.1	
16,400.0	90.80	357.58	6,672.3	10,247.4	6,270.44 N	265.44 W	505,562.96	787,921.85	0.00	6,276.1	
16,500.0	90.80	357.58	6,670.9	10,246.0	6,370.34 N	269.66 W	505,662.86	787,917.63	0.00	6,376.0	
16,600.0	90.80	357.58	6,669.5	10,244.6	6,470.24 N	273.89 W	505,762.76	787,913.40	0.00	6,476.0	
16,700.0	90.80	357.58	6,668.1	10,243.2	6,570.14 N	278.12 W	505,862.66	787,909.17	0.00	6,576.0	
16,800.0	90.80	357.58	6,666.7	10,241.8	6,670.05 N	282.35 W	505,962.57	787,904.94	0.00	6,676.0	
16,900.0	90.80	357.58	6,665.3	10,240.4	6,769.95 N	286.58 W	506,062.47	787,900.71	0.00	6,776.0	
17,000.0	90.80	357.58	6,663.9	10,239.0	6,869.85 N	290.81 W	506,162.37	787,896.48	0.00	6,876.0	
17,100.0	90.80	357.58	6,662.5	10,237.6	6,969.75 N	295.04 W	506,262.27	787,892.25	0.00	6,976.0	
17,200.0	90.80	357.58	6,661.1	10,236.2	7,069.65 N	299.27 W	506,362.17	787,888.02	0.00	7,076.0	
17,300.0	90.80	357.58	6,659.7	10,234.8	7,169.55 N	303.50 W	506,462.07	787,883.79	0.00	7,176.0	

Plan Report for Cannon BS2 State Com 1H - Plan #1

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	TVD below System (usft)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Comments
					Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)			
17,400.0	90.80	357.58	6,658.3	10,233.4	7,269.45 N	307.72 W	506,561.97	787,879.57	0.00	7,276.0	
17,500.0	90.80	357.58	6,656.9	10,232.0	7,369.35 N	311.95 W	506,661.87	787,875.34	0.00	7,376.0	
17,600.0	90.80	357.58	6,655.5	10,230.6	7,469.25 N	316.18 W	506,761.77	787,871.11	0.00	7,475.9	
17,700.0	90.80	357.58	6,654.1	10,229.2	7,569.15 N	320.41 W	506,861.67	787,866.88	0.00	7,575.9	
17,800.0	90.80	357.58	6,652.7	10,227.8	7,669.05 N	324.64 W	506,961.57	787,862.65	0.00	7,675.9	
17,888.7	90.80	357.58	6,651.5	10,226.6	7,757.63 N	328.39 W	507,050.15	787,858.90	0.00	7,764.6	TD @ 17888.7' MD - Cannon BS2 State Com PBHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,850.8	9,850.8	0.0	0.0	KOP, Begin 12°/100' Build
10,607.5	10,328.3	483.7	-20.5	Landing Point
17,888.7	10,226.6	7,757.6	-328.4	TD @ 17888.7' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	357.58	Slot	0.0	0.0	0.0

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.0	17,888.7	Plan #1	MWD

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,000.0	1,000.0	13 3/8"	13-3/8	17-1/2

Plan Report for Cannon BS2 State Com 1H - Plan #1

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	TVDSS (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,875.0	1,875.0	-1,700.10	Rustler			
2,075.0	2,075.0	-1,500.10	Top of Salt			
3,925.0	3,925.0	349.90	Base of Salt			
5,775.0	5,775.0	2,199.90	Delaware			
8,435.0	8,435.0	4,859.90	Bone Spring			
8,575.0	8,575.0	4,999.90	Avalon			
9,125.0	9,125.0	5,549.90	1st Bone Spring			
9,600.0	9,600.0	6,024.90	2nd Bone Spring			

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Cannon BS2 State Com PBHL ()	0.00	0.00	10,226.6	7,757.6	-328.4	507,050.15	787,858.90	32° 23' 25.964 N	103° 24' 2.821 W
- plan hits target center									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	0.51 °/100usft	Maximum Dogleg over Survey:	12.00 °/100usft at 10,607.5 usft
Net Tortousity applicable to Plans:	0.51 °/100usft	Directional Difficulty Index:	6.375

Audit Info

North Reference Sheet for Cannon B Pad - Cannon BS2 State Com 1H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GE 3550.1 + 25 KB @ 3575.1usft (25' KB). Northing and Easting are relative to Cannon BS2 State Com 1H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W", Longitude Origin: 0° 0' 0.000 E", Latitude Origin: 0° 0' 0.000 N"

False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 1.00000421

Grid Coordinates of Well: 499,292.52 usft N, 788,187.29 usft E

Geographical Coordinates of Well: 32° 22' 09.18" N, 103° 23' 59.78" W

Grid Convergence at Surface is: 0.50°

Based upon Minimum Curvature type calculations, at a Measured Depth of 17,888.67usft
the Bottom Hole Displacement is 7,764.58usft in the Direction of 357.58° (Grid).

Magnetic Convergence at surface is: -6.41° (21 September 2017, , BGGM2017)

