



Scientific Drilling

END OF WELL REPORT

Prepared For:

**Extraction Oil & Gas
DT-Forbes C7-5-6
Patterson 346
Weld County, CO**

Prepared By:

***Seth Burstad
Rockies Region Well Planner
Scientific Drilling***

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
seth.burstad@scientificdrilling.com



TABLE OF CONTENTS

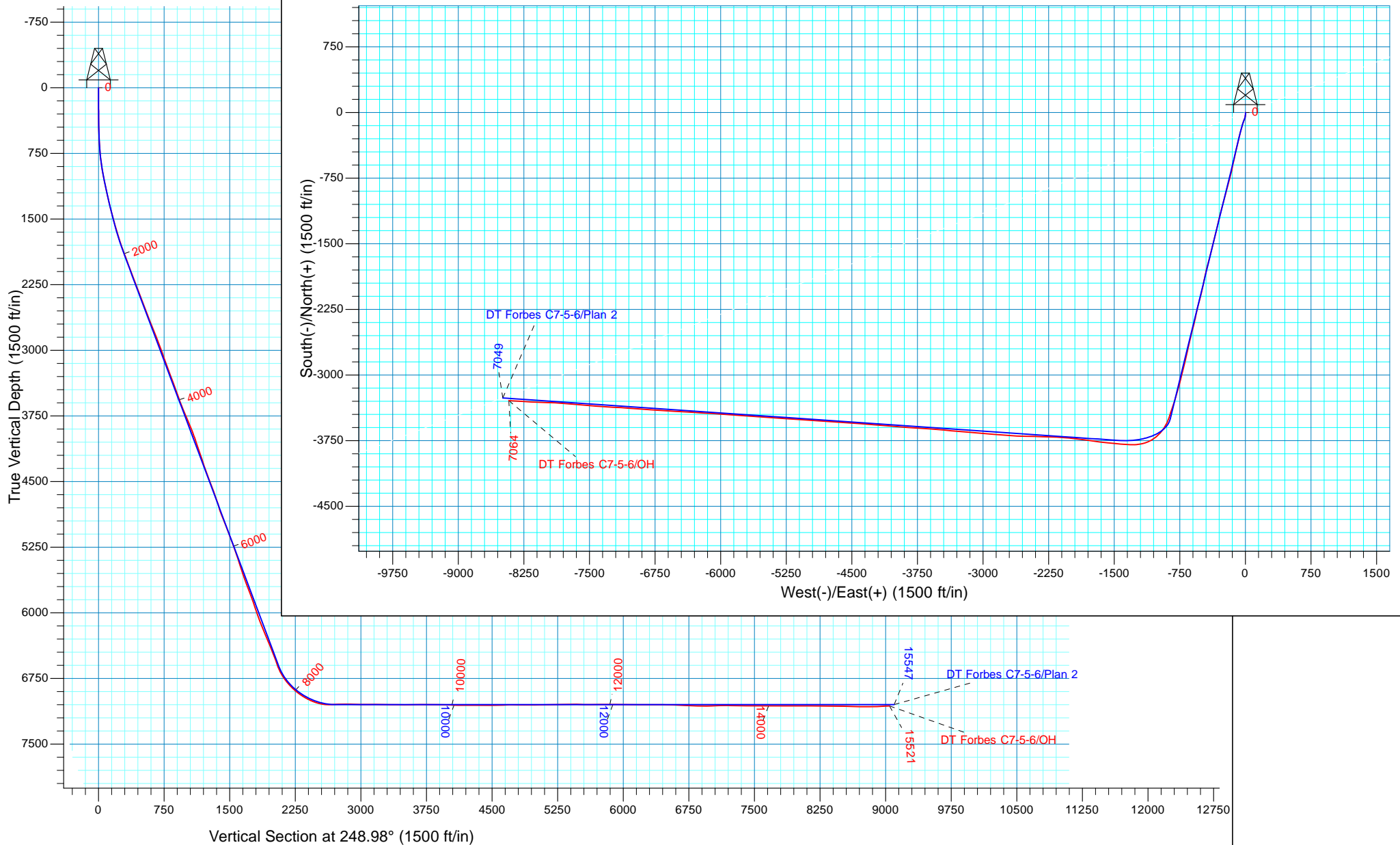
- 1. Directional Plot and Surveys**
- 2. Daily Drilling Reports**
- 3. BHA Summary Reports and Slide Sheets**
- 4. Graphical Job History**
- 5. Support Staff**

WELL DETAILS: DT Forbes C7-5-6

PROJECT DETAILS: Weld County, CO NAD 83

GL 4640' & KB 24.5' @ 4664.50ft (Pat 346) 4640.00
 Northing Easting Latitude Longitude
 1402356.57 3227216.29 40° 26' 6.000 N 104° 41' 1.464 W

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level
 Local North: True





Extraction Oil & Gas

Weld County, CO NAD 83

DT Forbes

DT Forbes C7-5-6

OH

Design: OH

Standard Survey Report

27 October, 2015



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C7-5-6
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C7-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Project	Weld County, CO NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		DT Forbes						
Site Position: From:	Lat/Long	Northing:	1,402,422.21	usft	Latitude:	40° 26' 6.648 N		
		Easting:	3,227,218.47	usft	Longitude:	104° 41' 1.428 W		
		Position Uncertainty:	0.00	ft	Slot Radius:	13.200	in	Grid Convergence:

Well	DT Forbes C7-5-6, 542' FNL 1684' FEL Sec 5 T5N R65W					
Well Position	+N/-S	0.00 ft	Northing:	1,402,356.58 usft	Latitude:	40° 26' 6.000 N
	+E/-W	0.00 ft	Easting:	3,227,216.29 usft	Longitude:	104° 41' 1.464 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,640.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	9/29/2015	8.50	67.00	52,622

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	194.51	

Survey Program	Date	10/27/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
142.00	1,474.00	Survey #1 - Surface MWD (OH)	MWD	MWD - Standard	
1,592.00	15,521.00	Survey #2 - Vertical / Curve / Lateral (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,474.00	24.80	192.90	1,436.11	-252.39	-65.34	260.71	3.46	3.19	-3.40	
Last Ensco MWD Survey										
1,592.00	26.79	193.17	1,542.34	-302.41	-76.93	312.04	1.69	1.69	0.23	
First SDI MWD Survey										
1,688.00	27.81	193.27	1,627.65	-345.28	-87.00	356.06	1.06	1.06	0.10	
1,783.00	30.30	192.42	1,710.69	-390.26	-97.24	402.17	2.66	2.62	-0.89	
1,879.00	31.46	192.96	1,793.08	-438.32	-108.07	451.42	1.24	1.21	0.56	
1,974.00	33.65	193.28	1,873.15	-488.11	-119.68	502.52	2.31	2.31	0.34	
2,069.00	32.71	192.24	1,952.66	-538.81	-131.16	554.48	1.16	-0.99	-1.09	

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C7-5-6
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C7-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,164.00	33.67	191.73	2,032.16	-589.68	-141.96	606.44	1.05	1.01	-0.54	
2,259.00	34.95	191.77	2,110.63	-642.10	-152.86	659.92	1.35	1.35	0.04	
2,354.00	34.53	195.69	2,188.70	-694.67	-165.70	714.03	2.39	-0.44	4.13	
2,448.00	32.62	194.55	2,267.02	-744.85	-179.27	766.01	2.14	-2.03	-1.21	
2,543.00	32.73	194.71	2,346.98	-794.47	-192.22	817.29	0.15	0.12	0.17	
2,637.00	33.75	193.66	2,425.60	-844.43	-204.84	868.82	1.25	1.09	-1.12	
2,732.00	33.65	194.45	2,504.64	-895.56	-217.64	921.52	0.47	-0.11	0.83	
2,826.00	32.40	195.77	2,583.45	-945.02	-230.99	972.75	1.53	-1.33	1.40	
2,921.00	34.45	194.44	2,662.74	-995.54	-244.61	1,025.07	2.29	2.16	-1.40	
3,016.00	35.33	194.28	2,740.66	-1,048.18	-258.09	1,079.41	0.93	0.93	-0.17	
3,110.00	34.45	194.74	2,817.76	-1,100.23	-271.55	1,133.18	0.98	-0.94	0.49	
3,205.00	32.87	196.91	2,896.83	-1,150.89	-285.89	1,185.81	2.09	-1.66	2.28	
3,299.00	33.67	192.83	2,975.44	-1,200.71	-299.10	1,237.35	2.53	0.85	-4.34	
3,393.00	31.88	191.93	3,054.47	-1,250.41	-310.02	1,288.20	1.97	-1.90	-0.96	
3,489.00	32.01	192.92	3,135.93	-1,300.01	-320.95	1,338.96	0.56	0.14	1.03	
3,584.00	33.43	193.60	3,215.86	-1,349.99	-332.73	1,390.29	1.54	1.49	0.72	
3,678.00	34.18	193.53	3,293.96	-1,400.83	-345.00	1,442.58	0.80	0.80	-0.07	
3,773.00	32.68	194.95	3,373.25	-1,451.55	-357.86	1,494.92	1.78	-1.58	1.49	
3,868.00	31.68	193.55	3,453.65	-1,500.59	-370.32	1,545.51	1.31	-1.05	-1.47	
3,964.00	31.72	194.07	3,535.33	-1,549.57	-382.36	1,595.95	0.29	0.04	0.54	
4,059.00	34.52	193.54	3,614.89	-1,599.98	-394.74	1,647.84	2.96	2.95	-0.56	
4,155.00	35.52	195.82	3,693.51	-1,653.26	-408.71	1,702.93	1.72	1.04	2.38	
4,250.00	35.56	194.68	3,770.81	-1,706.53	-423.23	1,758.14	0.70	0.04	-1.20	
4,345.00	36.10	194.53	3,847.83	-1,760.35	-437.25	1,813.75	0.58	0.57	-0.16	
4,440.00	35.39	191.89	3,924.94	-1,814.36	-449.94	1,869.22	1.79	-0.75	-2.78	
4,536.00	32.85	193.10	4,004.41	-1,866.93	-461.57	1,923.03	2.74	-2.65	1.26	
4,631.00	31.36	191.02	4,084.88	-1,916.30	-472.14	1,973.47	1.95	-1.57	-2.19	
4,726.00	31.28	192.01	4,166.04	-1,964.68	-482.00	2,022.78	0.55	-0.08	1.04	
4,822.00	30.66	194.84	4,248.36	-2,012.72	-493.45	2,072.16	1.65	-0.65	2.95	
4,917.00	31.60	191.57	4,329.68	-2,060.53	-504.65	2,121.24	2.04	0.99	-3.44	
5,013.00	33.35	191.99	4,410.67	-2,110.98	-515.18	2,172.73	1.84	1.82	0.44	
5,109.00	34.91	196.80	4,490.15	-2,163.11	-528.60	2,226.55	3.25	1.63	5.01	
5,204.00	31.35	196.63	4,569.69	-2,212.83	-543.54	2,278.42	3.75	-3.75	-0.18	
5,299.00	30.30	192.02	4,651.28	-2,259.95	-555.60	2,327.07	2.72	-1.11	-4.85	
5,395.00	31.55	192.01	4,733.63	-2,308.21	-565.87	2,376.36	1.30	1.30	-0.01	
5,490.00	31.84	189.95	4,814.46	-2,357.20	-575.37	2,426.17	1.18	0.31	-2.17	
5,585.00	33.36	194.87	4,894.51	-2,407.14	-586.41	2,477.28	3.22	1.60	5.18	
5,680.00	37.35	193.77	4,971.98	-2,460.39	-599.98	2,532.24	4.25	4.20	-1.16	
5,775.00	32.88	195.78	5,049.67	-2,513.23	-613.86	2,586.86	4.86	-4.71	2.12	
5,871.00	33.68	191.25	5,129.94	-2,564.42	-626.14	2,639.50	2.72	0.83	-4.72	
5,966.00	33.36	193.66	5,209.14	-2,615.64	-637.45	2,691.92	1.44	-0.34	2.54	
6,061.00	31.38	194.57	5,289.37	-2,664.96	-649.84	2,742.77	2.15	-2.08	0.96	
6,156.00	30.47	192.25	5,370.87	-2,712.44	-661.17	2,791.58	1.58	-0.96	-2.44	

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C7-5-6
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C7-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,251.00	28.94	194.23	5,453.39	-2,758.26	-671.93	2,838.64	1.91	-1.61	2.08
6,346.00	33.81	190.72	5,534.48	-2,806.55	-682.51	2,888.03	5.47	5.13	-3.69
6,441.00	31.75	192.50	5,614.35	-2,856.93	-692.83	2,939.39	2.39	-2.17	1.87
6,536.00	33.18	191.71	5,694.50	-2,906.79	-703.52	2,990.33	1.57	1.51	-0.83
6,631.00	34.83	197.15	5,773.27	-2,958.18	-716.80	3,043.41	3.64	1.74	5.73
6,726.00	30.12	193.18	5,853.40	-3,007.34	-730.24	3,094.38	5.44	-4.96	-4.18
6,822.00	29.84	195.32	5,936.56	-3,053.83	-742.05	3,142.34	1.15	-0.29	2.23
6,917.00	31.57	195.84	6,018.24	-3,100.56	-755.08	3,190.84	1.84	1.82	0.55
7,012.00	32.82	192.93	6,098.63	-3,149.58	-767.63	3,241.44	2.10	1.32	-3.06
7,107.00	33.57	196.89	6,178.14	-3,199.81	-781.02	3,293.43	2.41	0.79	4.17
7,202.00	34.60	197.89	6,256.82	-3,250.61	-796.94	3,346.60	1.23	1.08	1.05
7,297.00	35.37	197.48	6,334.65	-3,302.51	-813.49	3,400.98	0.85	0.81	-0.43
7,391.00	30.70	197.05	6,413.43	-3,351.42	-828.70	3,452.15	4.97	-4.97	-0.46
7,486.00	30.86	200.01	6,495.06	-3,397.50	-844.15	3,500.64	1.60	0.17	3.12
7,581.00	29.20	196.38	6,577.31	-3,442.64	-859.03	3,548.06	2.59	-1.75	-3.82
7,677.00	36.30	199.80	6,658.00	-3,491.91	-875.28	3,599.83	7.64	7.40	3.56
7,772.00	41.38	205.39	6,732.00	-3,546.79	-898.29	3,658.72	6.49	5.35	5.88
7,867.00	46.69	212.01	6,800.31	-3,604.53	-930.11	3,722.60	7.39	5.59	6.97
7,962.00	49.54	221.93	6,863.81	-3,660.82	-972.65	3,787.75	8.33	3.00	10.44
8,057.00	54.76	231.24	6,922.16	-3,712.10	-1,027.17	3,851.06	9.48	5.49	9.80
8,081.00	55.78	233.82	6,935.84	-3,724.10	-1,042.82	3,866.60	9.80	4.25	10.75
8,177.00	62.32	247.24	6,985.35	-3,764.15	-1,114.37	3,923.30	13.77	6.81	13.98
8,272.00	71.31	259.42	7,022.83	-3,788.81	-1,197.83	3,968.10	15.10	9.46	12.82
8,367.00	81.57	269.59	7,045.13	-3,797.46	-1,289.51	3,999.44	14.99	10.80	10.71
8,462.00	93.29	274.91	7,049.39	-3,793.72	-1,384.15	4,019.54	13.54	12.34	5.60
8,558.00	90.97	275.48	7,045.82	-3,785.03	-1,479.68	4,035.08	2.49	-2.42	0.59
8,653.00	90.40	275.40	7,044.68	-3,776.02	-1,574.24	4,050.06	0.61	-0.60	-0.08
8,748.00	88.79	277.64	7,045.36	-3,765.24	-1,668.62	4,063.27	2.90	-1.69	2.36
8,843.00	89.13	277.31	7,047.08	-3,752.88	-1,762.79	4,074.91	0.50	0.36	-0.35
8,939.00	90.37	278.58	7,047.50	-3,739.61	-1,857.87	4,085.89	1.85	1.29	1.32
9,033.00	90.23	276.62	7,047.01	-3,727.18	-1,951.04	4,097.21	2.09	-0.15	-2.09
9,127.00	88.76	273.89	7,047.84	-3,718.57	-2,044.63	4,112.33	3.30	-1.56	-2.90
9,222.00	89.03	272.97	7,049.67	-3,712.89	-2,139.44	4,130.59	1.01	0.28	-0.97
9,316.00	89.23	272.59	7,051.09	-3,708.33	-2,233.32	4,149.71	0.46	0.21	-0.40
9,410.00	90.17	271.42	7,051.59	-3,705.04	-2,327.25	4,170.07	1.60	1.00	-1.24
9,505.00	91.24	270.87	7,050.42	-3,703.15	-2,422.23	4,192.04	1.27	1.13	-0.58
9,599.00	90.77	271.40	7,048.77	-3,701.28	-2,516.19	4,213.78	0.75	-0.50	0.56
9,694.00	89.73	272.97	7,048.35	-3,697.66	-2,611.12	4,234.07	1.98	-1.09	1.65
9,788.00	88.66	274.37	7,049.68	-3,691.65	-2,704.91	4,251.75	1.87	-1.14	1.49
9,883.00	89.70	274.57	7,051.03	-3,684.24	-2,799.61	4,268.32	1.11	1.09	0.21
9,977.00	87.78	274.66	7,053.10	-3,676.68	-2,893.28	4,284.48	2.04	-2.04	0.10
10,071.00	88.86	274.76	7,055.86	-3,668.97	-2,986.92	4,300.48	1.15	1.15	0.11
10,166.00	90.27	275.07	7,056.58	-3,660.83	-3,081.57	4,316.32	1.52	1.48	0.33
10,260.00	89.90	275.13	7,056.44	-3,652.47	-3,175.19	4,331.69	0.40	-0.39	0.06

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C7-5-6
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C7-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,354.00	89.30	274.25	7,057.10	-3,644.79	-3,268.88	4,347.73	1.13	-0.64	-0.94
10,449.00	90.00	274.72	7,057.68	-3,637.36	-3,363.58	4,364.28	0.89	0.74	0.49
10,543.00	90.70	274.90	7,057.10	-3,629.48	-3,457.25	4,380.12	0.77	0.74	0.19
10,638.00	91.80	275.50	7,055.03	-3,620.87	-3,551.83	4,395.50	1.32	1.16	0.63
10,732.00	91.24	273.63	7,052.54	-3,613.39	-3,645.50	4,411.73	2.08	-0.60	-1.99
10,827.00	88.46	273.13	7,052.78	-3,607.79	-3,740.32	4,430.08	2.97	-2.93	-0.53
10,921.00	89.76	273.81	7,054.24	-3,602.10	-3,834.14	4,448.08	1.56	1.38	0.72
11,015.00	91.01	275.25	7,053.61	-3,594.68	-3,927.84	4,464.38	2.03	1.33	1.53
11,110.00	90.54	273.91	7,052.33	-3,587.09	-4,022.52	4,480.77	1.49	-0.49	-1.41
11,204.00	91.11	274.58	7,050.97	-3,580.14	-4,116.25	4,497.52	0.94	0.61	0.71
11,298.00	90.27	274.64	7,049.84	-3,572.58	-4,209.94	4,513.69	0.90	-0.89	0.06
11,393.00	91.48	275.34	7,048.39	-3,564.32	-4,304.57	4,529.41	1.47	1.27	0.74
11,487.00	91.11	274.09	7,046.27	-3,556.59	-4,398.22	4,545.40	1.39	-0.39	-1.33
11,580.00	88.79	273.60	7,046.35	-3,550.36	-4,491.01	4,562.62	2.55	-2.49	-0.53
11,675.00	88.99	273.27	7,048.19	-3,544.67	-4,585.82	4,580.88	0.41	0.21	-0.35
11,770.00	90.00	273.92	7,049.03	-3,538.71	-4,680.63	4,598.87	1.26	1.06	0.68
11,864.00	91.31	274.43	7,047.95	-3,531.87	-4,774.37	4,615.74	1.50	1.39	0.54
11,958.00	89.46	274.06	7,047.32	-3,524.91	-4,868.11	4,632.50	2.01	-1.97	-0.39
12,053.00	89.63	274.23	7,048.07	-3,518.04	-4,962.85	4,649.60	0.25	0.18	0.18
12,147.00	90.24	273.97	7,048.18	-3,511.32	-5,056.61	4,666.59	0.71	0.65	-0.28
12,242.00	89.13	273.26	7,048.70	-3,505.33	-5,151.42	4,684.55	1.39	-1.17	-0.75
12,430.00	90.30	273.58	7,049.64	-3,494.12	-5,339.08	4,720.73	0.65	0.62	0.17
12,525.00	89.36	274.12	7,049.92	-3,487.74	-5,433.86	4,738.31	1.14	-0.99	0.57
12,619.00	90.13	274.12	7,050.34	-3,480.99	-5,527.62	4,755.27	0.82	0.82	0.00
12,714.00	88.42	274.46	7,051.54	-3,473.88	-5,622.34	4,772.13	1.84	-1.80	0.36
12,808.00	88.86	274.46	7,053.77	-3,466.57	-5,716.03	4,788.54	0.47	0.47	0.00
12,903.00	87.51	274.11	7,056.78	-3,459.48	-5,810.71	4,805.40	1.47	-1.42	-0.37
12,997.00	87.55	273.87	7,060.83	-3,452.94	-5,904.40	4,822.56	0.26	0.04	-0.26
13,093.00	88.62	273.20	7,064.04	-3,447.03	-6,000.16	4,840.83	1.31	1.11	-0.70
13,188.00	90.27	273.81	7,064.96	-3,441.22	-6,094.98	4,858.97	1.85	1.74	0.64
13,282.00	91.51	273.96	7,063.50	-3,434.85	-6,188.75	4,876.31	1.33	1.32	0.16
13,376.00	91.41	273.36	7,061.10	-3,428.86	-6,282.52	4,894.00	0.65	-0.11	-0.64
13,471.00	90.03	272.56	7,059.91	-3,423.95	-6,377.39	4,913.03	1.68	-1.45	-0.84
13,566.00	88.63	273.47	7,061.02	-3,418.95	-6,472.25	4,931.97	1.76	-1.47	0.96
13,661.00	88.82	273.68	7,063.14	-3,413.03	-6,567.04	4,949.99	0.30	0.20	0.22
13,756.00	89.60	273.44	7,064.44	-3,407.13	-6,661.84	4,968.04	0.86	0.82	-0.25
13,851.00	90.64	273.44	7,064.25	-3,401.43	-6,756.67	4,986.29	1.09	1.09	0.00
13,946.00	90.13	274.30	7,063.61	-3,395.02	-6,851.45	5,003.84	1.05	-0.54	0.91
14,042.00	90.91	274.22	7,062.74	-3,387.89	-6,947.18	5,020.93	0.82	0.81	-0.08
14,137.00	89.50	274.07	7,062.40	-3,381.02	-7,041.93	5,038.03	1.49	-1.48	-0.16
14,232.00	89.63	273.55	7,063.12	-3,374.71	-7,136.72	5,055.68	0.56	0.14	-0.55
14,326.00	90.00	273.14	7,063.42	-3,369.23	-7,230.56	5,073.88	0.59	0.39	-0.44
14,421.00	90.30	274.35	7,063.17	-3,363.02	-7,325.35	5,091.64	1.31	0.32	1.27

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C7-5-6
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C7-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,516.00	90.07	273.64	7,062.87	-3,356.40	-7,420.12	5,108.98	0.79	-0.24	-0.75
14,611.00	88.86	274.03	7,063.75	-3,350.05	-7,514.90	5,126.58	1.34	-1.27	0.41
14,705.00	89.13	275.92	7,065.40	-3,341.90	-7,608.53	5,142.16	2.03	0.29	2.01
14,894.00	89.23	274.75	7,068.11	-3,324.33	-7,796.69	5,172.31	0.62	0.05	-0.62
14,989.00	88.55	272.10	7,069.95	-3,318.66	-7,891.49	5,190.58	2.88	-0.72	-2.79
15,083.00	88.76	271.14	7,072.15	-3,316.00	-7,985.42	5,211.55	1.05	0.22	-1.02
15,178.00	89.90	273.29	7,073.26	-3,312.33	-8,080.34	5,231.78	2.56	1.20	2.26
15,272.00	90.37	272.56	7,073.04	-3,307.53	-8,174.22	5,250.67	0.92	0.50	-0.78
15,367.00	91.61	273.43	7,071.40	-3,302.57	-8,269.07	5,269.64	1.59	1.31	0.92
15,462.00	93.05	273.51	7,067.54	-3,296.82	-8,363.81	5,287.82	1.52	1.52	0.08
Last SDI MWD Survey									
15,521.00	93.05	273.51	7,064.40	-3,293.22	-8,422.62	5,299.07	0.00	0.00	0.00
Projection to TD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
142.00	142.00	-0.24	0.29	First Ensco MWD Survey
1,474.00	1,436.11	-252.39	-65.34	Last Ensco MWD Survey
1,592.00	1,542.34	-302.41	-76.93	First SDI MWD Survey
15,462.00	7,067.54	-3,296.82	-8,363.81	Last SDI MWD Survey
15,521.00	7,064.40	-3,293.22	-8,422.62	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------