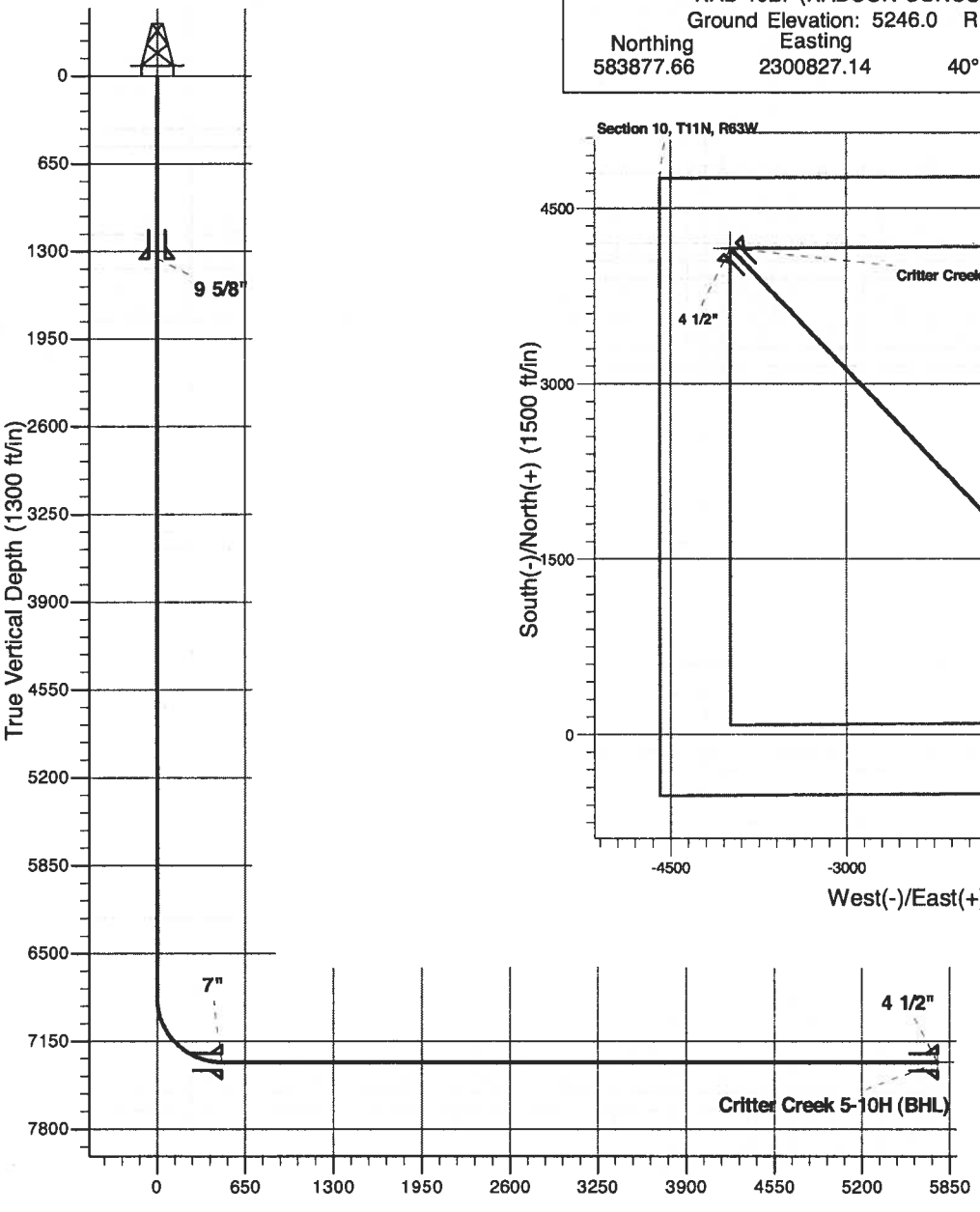
Critter Creek 5-10H

Section 10 T11N R62W
Weld County, CO

eog resources

Surface Location			
NAD 1927 (NADCON CONUS) Colorado North 501			
Ground Elevation: 5246.0 RIG @ 5271.0ft (True 30)			
Northing	Easting	Latitude	Longitude
583877.66	2300827.14	40°55' 51.848 N	104°24' 40.838 W



Azimuths to True North
Magnetic North: 8.87°

Magnetic Field
Strength: 53609.6snT
Dip Angle: 67.59°
Date: 1/15/2010
Model: IGRF200510

Project: DJ - Hereford Ranch
Site: Critter Creek 05-10H
Well: Critter Creek 5-10H
Plan: APD

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	6827.5	0.00	0.00	6827.5	0.0	0.0	0.00	0.00	0.0	
3	7577.5	90.00	316.17	7305.0	344.5	-330.6	12.00	316.17	477.5	
4	12861.0	90.00	316.17	7305.0	4156.1	-3989.3	0.00	0.00	5760.9	

TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Critter Creek 5-10H (BHL)	7305.0	4156.1	-3989.3	587984.48	2296787.08	40°56' 32.910 N	104°25' 32.819 W	Point

eog resources

Denver Division- Colorado

DJ - Hereford Ranch
Critter Creek 05-10H
Critter Creek 5-10H

Original Wellbore

Plan: APD

Standard Planning Report

15 January, 2010

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Site Critter Creek 05-10H
Company:	Denver Division- Colorado	**TVD Reference:**	RIG @ 5271.0ft (True 30)
Project:	DJ - Hereford Ranch	**MD Reference:**	RIG @ 5271.0ft (True 30)
Site:	Critter Creek 05-10H	**North Reference:**	True
Well:	Critter Creek 5-10H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD		

Project	DJ - Hereford Ranch, Weld County		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado North 501		

Site	Critter Creek 05-10H				
Site Position:		**Northing:**	583,877.66 ft	**Latitude:**	40° 55' 51.848 N
From:	Lat/Long	**Easting:**	2,300,827.14 ft	**Longitude:**	104° 24' 40.838 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.70 °

Well	Critter Creek 5-10H					
Well Position	**+N/-S**	0.0 ft	**Northing:**	583,877.66 ft	**Latitude:**	40° 55' 51.848 N
	+E/-W	0.0 ft	**Easting:**	2,300,827.14 ft	**Longitude:**	104° 24' 40.838 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,246.0 ft

Wellbore	Original Wellbore			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	1/15/2010	8.87	67.59	53,610

Design	APD				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	316.17	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,827.5	0.00	0.00	6,827.5	0.0	0.0	0.00	0.00	0.00	0.00	
7,577.5	90.00	316.17	7,305.0	344.5	-330.6	12.00	12.00	0.00	316.17	
12,861.0	90.00	316.17	7,305.0	4,156.1	-3,989.3	0.00	0.00	0.00	0.00	

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Site:	Critter Creek 05-10H	**North Reference:**	True
Well:	Critter Creek 5-10H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD		

Planned 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)
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
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
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

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Site:	Critter Creek 05-10H	**North Reference:**	True
Well:	Critter Creek 5-10H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD		

Planned 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)
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
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
6,827.5	0.00	0.00	6,827.5	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	8.70	316.17	6,899.7	4.0	-3.8	5.5	12.00	12.00	0.00
7,000.0	20.70	316.17	6,996.3	22.2	-21.3	30.8	12.00	12.00	0.00
7,100.0	32.70	316.17	7,085.5	54.6	-52.4	75.7	12.00	12.00	0.00
7,200.0	44.70	316.17	7,163.4	99.6	-95.6	138.1	12.00	12.00	0.00
7,300.0	56.70	316.17	7,226.6	155.3	-149.1	215.3	12.00	12.00	0.00
7,400.0	68.70	316.17	7,272.4	219.3	-210.5	304.0	12.00	12.00	0.00
7,500.0	80.70	316.17	7,298.7	288.8	-277.2	400.3	12.00	12.00	0.00
7,577.5	90.00	316.17	7,305.0	344.4	-330.6	477.4	12.00	12.00	0.00
7"									
7,600.0	90.00	316.17	7,305.0	360.7	-346.2	499.9	0.02	0.02	0.00
7,700.0	90.00	316.17	7,305.0	432.8	-415.4	599.9	0.00	0.00	0.00
7,800.0	90.00	316.17	7,305.0	505.0	-484.7	699.9	0.00	0.00	0.00
7,900.0	90.00	316.17	7,305.0	577.1	-553.9	799.9	0.00	0.00	0.00
8,000.0	90.00	316.17	7,305.0	649.2	-623.2	899.9	0.00	0.00	0.00
8,100.0	90.00	316.17	7,305.0	721.4	-692.4	999.9	0.00	0.00	0.00
8,200.0	90.00	316.17	7,305.0	793.5	-761.7	1,099.9	0.00	0.00	0.00
8,300.0	90.00	316.17	7,305.0	865.7	-830.9	1,199.9	0.00	0.00	0.00
8,400.0	90.00	316.17	7,305.0	937.8	-900.2	1,299.9	0.00	0.00	0.00
8,500.0	90.00	316.17	7,305.0	1,010.0	-969.4	1,399.9	0.00	0.00	0.00
8,600.0	90.00	316.17	7,305.0	1,082.1	-1,038.7	1,499.9	0.00	0.00	0.00
8,700.0	90.00	316.17	7,305.0	1,154.2	-1,107.9	1,599.9	0.00	0.00	0.00
8,800.0	90.00	316.17	7,305.0	1,226.4	-1,177.2	1,699.9	0.00	0.00	0.00
8,900.0	90.00	316.17	7,305.0	1,298.5	-1,246.4	1,799.9	0.00	0.00	0.00
9,000.0	90.00	316.17	7,305.0	1,370.7	-1,315.7	1,899.9	0.00	0.00	0.00
9,100.0	90.00	316.17	7,305.0	1,442.8	-1,384.9	1,999.9	0.00	0.00	0.00
9,200.0	90.00	316.17	7,305.0	1,515.0	-1,454.2	2,099.9	0.00	0.00	0.00
9,300.0	90.00	316.17	7,305.0	1,587.1	-1,523.4	2,199.9	0.00	0.00	0.00
9,400.0	90.00	316.17	7,305.0	1,659.2	-1,592.7	2,299.9	0.00	0.00	0.00
9,500.0	90.00	316.17	7,305.0	1,731.4	-1,661.9	2,399.9	0.00	0.00	0.00
9,600.0	90.00	316.17	7,305.0	1,803.5	-1,731.2	2,499.9	0.00	0.00	0.00
9,700.0	90.00	316.17	7,305.0	1,875.7	-1,800.4	2,599.9	0.00	0.00	0.00
9,800.0	90.00	316.17	7,305.0	1,947.8	-1,869.7	2,699.9	0.00	0.00	0.00
9,900.0	90.00	316.17	7,305.0	2,020.0	-1,938.9	2,799.9	0.00	0.00	0.00
10,000.0	90.00	316.17	7,305.0	2,092.1	-2,008.2	2,899.9	0.00	0.00	0.00
10,100.0	90.00	316.17	7,305.0	2,164.2	-2,077.4	2,999.9	0.00	0.00	0.00

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Site:	Critter Creek 05-10H	**North Reference:**	True
Well:	Critter Creek 5-10H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD		

Planned 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)
10,200.0	90.00	316.17	7,305.0	2,236.4	-2,146.7	3,099.9	0.00	0.00	0.00
10,300.0	90.00	316.17	7,305.0	2,308.5	-2,215.9	3,199.9	0.00	0.00	0.00
10,400.0	90.00	316.17	7,305.0	2,380.7	-2,285.2	3,299.9	0.00	0.00	0.00
10,500.0	90.00	316.17	7,305.0	2,452.8	-2,354.4	3,399.9	0.00	0.00	0.00
10,600.0	90.00	316.17	7,305.0	2,525.0	-2,423.6	3,499.9	0.00	0.00	0.00
10,700.0	90.00	316.17	7,305.0	2,597.1	-2,492.9	3,599.9	0.00	0.00	0.00
10,800.0	90.00	316.17	7,305.0	2,669.2	-2,562.1	3,699.9	0.00	0.00	0.00
10,900.0	90.00	316.17	7,305.0	2,741.4	-2,631.4	3,799.9	0.00	0.00	0.00
11,000.0	90.00	316.17	7,305.0	2,813.5	-2,700.6	3,899.9	0.00	0.00	0.00
11,100.0	90.00	316.17	7,305.0	2,885.7	-2,769.9	3,999.9	0.00	0.00	0.00
11,200.0	90.00	316.17	7,305.0	2,957.8	-2,839.1	4,099.9	0.00	0.00	0.00
11,300.0	90.00	316.17	7,305.0	3,030.0	-2,908.4	4,199.9	0.00	0.00	0.00
11,400.0	90.00	316.17	7,305.0	3,102.1	-2,977.6	4,299.9	0.00	0.00	0.00
11,500.0	90.00	316.17	7,305.0	3,174.3	-3,046.9	4,399.9	0.00	0.00	0.00
11,600.0	90.00	316.17	7,305.0	3,246.4	-3,116.1	4,499.9	0.00	0.00	0.00
11,700.0	90.00	316.17	7,305.0	3,318.5	-3,185.4	4,599.9	0.00	0.00	0.00
11,800.0	90.00	316.17	7,305.0	3,390.7	-3,254.6	4,699.9	0.00	0.00	0.00
11,900.0	90.00	316.17	7,305.0	3,462.8	-3,323.9	4,799.9	0.00	0.00	0.00
12,000.0	90.00	316.17	7,305.0	3,535.0	-3,393.1	4,899.9	0.00	0.00	0.00
12,100.0	90.00	316.17	7,305.0	3,607.1	-3,462.4	4,999.9	0.00	0.00	0.00
12,200.0	90.00	316.17	7,305.0	3,679.3	-3,531.6	5,099.9	0.00	0.00	0.00
12,300.0	90.00	316.17	7,305.0	3,751.4	-3,600.9	5,199.9	0.00	0.00	0.00
12,400.0	90.00	316.17	7,305.0	3,823.5	-3,670.1	5,299.9	0.00	0.00	0.00
12,500.0	90.00	316.17	7,305.0	3,895.7	-3,739.4	5,399.9	0.00	0.00	0.00
12,600.0	90.00	316.17	7,305.0	3,967.8	-3,808.6	5,499.9	0.00	0.00	0.00
12,700.0	90.00	316.17	7,305.0	4,040.0	-3,877.9	5,599.9	0.00	0.00	0.00
12,800.0	90.00	316.17	7,305.0	4,112.1	-3,947.1	5,699.9	0.00	0.00	0.00
12,861.0	90.00	316.17	7,305.0	4,156.1	-3,989.3	5,760.9	0.00	0.00	0.00
Critter Creek 5-10H (BHL)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,350.0	1,350.0	9 5/8"	9-5/8	12-1/4
7,577.5	7,305.0	7"	7	8-3/4
12,861.0	7,305.0	4 1/2"	4-1/2	6-1/4

CEMENT JOB REPORT

CUSTOMER: EOG Resources Inc.	DATE: 17-JUL-10	F.R. #: 1001652003	SERV. SUPV.: RYAN SULLIVAN
LEASE & WELL NAME: CRITTER CREEK #5-10H - API 05123312750000	LOCATION: SEC 10 - 11 N - 63 W		COUNTY-PARISH-BLOCK: Weld Colorado
DISTRICT: Brighton	DRILLING CONTRACTOR RIG #: TRUE 30		TYPE OF JOB: Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Cement Plug, Rubber, Top 9-5/8 in	Float Collar, Auto Fill, 9-5/8 - 8rd							
—	Centralizer, with Pins, 9-5/8 in							
MATERIALS FURNISHED BY BJ								
Fresh water		0	8.34	0	0	00:00	15	—
Type III + additives		620	14.5	1.40	6.82	01:30	154.6	100.53
15 Bbls fresh water then drilling mud		0	8.34	0	0	00:00	103.8	—
Type III + 2% CaCl on side if needed		100	14.5	1.39	6.81		24.76	16.22
						TOTAL	298.16	116.74

Available Mix Water: 200 Bbl. Available Displ. Fluid: 200 Bbl.

HOLE SIZE	HOLE % EXCESS	HOLE DEPTH	TBG-CSG-D.P. SIZE	WGT.	TYPE	DEPTH	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
13.5	41	1377	9.625	36	CSG	1377	J-55	1382	1342	0

LAST CASING SIZE	WGT	TYPE	DEPTH	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
16	84	—	60	No Packer	0	0	0	9.625	8RD	WATER BASED MU	8.8

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
103.8	BBLS	15 Bbls fresh water th	8.34	408	0	0	0	0	2816	2816	rig

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1.5 | Circulation Rate: 6 BPM

Mud Density In: 8.8 LBS/GAL | Mud Density Out: 8.8 LBS/GAL | PV & YP Mud In: 0 | PV & YP Mud Out: 0

Gas Present: NO [X] YES [ ] Units: | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: .7 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visually

Cement Returns at Surface: [X] YES [ ] NO | Were Returns Planned at Surface: [ ] NO [X] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 10 | Type: [X] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 | Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT | Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [X]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] YES | PSI Applied: 0 | Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 1550 PSI With 8.8 LBS/GAL Mud | Time Held: 00 Hours 30 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT | Target EMW: 0 LBS/GAL | Actual EMW: 0 LBS/GAL

Number of Times Tests Conducted: 0 | Mud Weight When Test was Conducted: 0 LBS/GAL

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: none

CEMENT JOB REPORT

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X] TEST LINES 4004 PSI CIRCULATING WELL - RIG [X] BJ [ ]
18:00	0	0	0	0	NA	Pre Rig up saftey meeting
20:00	0	0	0	0	NA	Pre Job Saftey meeting
20:49	2690	0	0	0	WATER	Low Pressure test - Had a leak after first test. Fixed and retested.
20:53	4004	0	0	0	WATER	High Pressure test
20:58	129	0	6	15	WATER	Fresh water
21:03	139	0	4.9	151	CEMENT	Batch up and pump 620 sx of Type III + 1% Cacl2 + 0.25 lbs/sack Cello Flake at 14.5 ppg
21:37	0	0	0	0	NA	Drop plug
21:48	0	0	4.8	15	WATER	Displace water
21:53	313	0	4.8	50	MUD	Displace mud
22:07	433	0	3.6	30	MUD	Rate change
22:10	447	0	2	13	MUD	Rate change
22:16	570	0	2	11.6	MUD	Bump plug
22:16	1117	0	0	0	N/A	Plug down @ 104.6 bbls
22:31	1550	0	0	0	N/A	Casing Test - Hold for 30 minutes
23:01	1520	0	0	0	N/A	Casing test pressure after 30 minutes
23:05	0	0	0	0	N/A	Pre-rig down safety meeting

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
[Y] N	570	[Y] N	20	270.6	0	Y [N]	

X Danny Cook

BJ Services JobMaster Program Version 3.20

Job Number: 1001652003

Customer: EOG

Well Name: Critter Creek 5-10H