



XTO - Wellbore Diagram

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APR 12 2010

Well Name: Ute Mtn Tribal D 10

API/UJM 30045336760000	E/W Dist (ft) 1,740.0	E/W Ref FWL	N/S Dist (ft) 1,160.0	N/S Ref FSL	Location T31N-R14W-S03	Field Name Ute Dome Dakota	Bureau of Land Management San Juan, Colorado
Well Configuration Type Vertical	XTO ID B 68670	Orig KB Elev (ft) 6,063.00	Gr Elev (ft) 6,052.00	KB-Grd (ft) 11.00	Spud Date 1/20/2007	PBTD (All) (ftKB) Original Hole - 2446.0	Total Depth (ftKB) 3,222.0
Method Of Production SI							

Well Config: Vertical - Original Hole, 4/12/2010 10:42:22 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones		Top (ftKB)		Btm (ftKB)	
					Zone					
					Mancos		1,838.0		2,123.0	
					Dakota		2,513.0		2,647.0	
		0.0	11	11						
		0.0	31	31						
		0.0	38	38						
		0.3	316	316						
		0.3	362	362						
		1.9	1,838	1,838						
		1.9	1,864	1,864						
		2.0	1,905	1,906						
		2.0	1,911	1,911						
		2.0	1,916	1,916						
		2.0	1,924	1,924						
		2.0	1,936	1,936						
		2.0	1,943	1,943						
		2.0	1,957	1,957						
		2.0	1,964	1,964						
		2.1	1,970	1,970						
		2.1	2,009	2,010						
		2.1	2,015	2,015						
		2.1	2,026	2,027						
		2.1	2,040	2,040						
		2.2	2,078	2,078						
		2.2	2,089	2,090						
		2.2	2,096	2,096						
		2.2	2,103	2,103						
		2.2	2,109	2,110						
		2.3	2,123	2,123						
		2.4	2,175	2,176						
		2.4	2,204	2,204						
		2.5	2,233	2,234						
		2.3	2,284	2,284						
		2.2	2,310	2,310						
		2.2	2,315	2,316						
		2.2	2,323	2,323						
		1.6	2,445	2,446						
		1.1	2,512	2,513						
		1.3	2,587	2,588						
		1.7	3,174	3,175						
		1.7	3,175	3,176						
				3,222						



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Well Name: Ute Mtn Tribal D 10

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	Bureau of Land Management
30045336760000	1,740.0	FWL	1,160.0	FSL	T31N-R14W-S03	Ute Dome Dakota	DuSangre Colorado New Mexico
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)
Vertical	68670	6,063.00	6,052.00	11 00	1/20/2007	Original Hole - 2446.0	3,222 0
Method Of Production							
SI							

Well Config: Vertical - Original Hole, 4/12/2010 10:42:22 AM

Rod Components

Schematic - Actual			Incl	ftKB (TVD)	ftKB (MD)	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
			0.0	11	11	Sucker Rod w/Molded Guides	3		3/4	D	75.00	2,096.5	2,171.5
						Stabilizer Rod	1		7/8	D	4.00	2,171.5	2,175.5
			0.0	31	31	Sinker Bar	1		1 1/2	K	25.00	2,175.5	2,200.5
						Stabilizer Rod	1		7/8	D	4.00	2,200.5	2,204.5
			0.0	38	38	Sinker Bar	1		1 1/2	K	25.00	2,204.5	2,229.5
						Stabilizer Rod	1		7/8	D	4.00	2,229.5	2,233.5
			0.3	316	316	Sinker Bar	1		1 1/2	K	25.00	2,233.5	2,283.5
						Shear Tool - 21K	1		3/4		1.00	2,283.5	2,284.5
			1.9	1,838	1,838	Sinker Bar	1		1 1/2	K	25.00	2,284.5	2,309.5
						Lift Sub	1		1		1.00	2,309.5	2,310.5
			1.9	1,864	1,864	Spiral Rod Guide	1		3/4		0.50	2,310.5	2,311.0
			2.0	1,905	1,906	Rod Insert Pump	1		1 1/2		12.00	2,311.0	2,323.0

Stimulations & Treatments

Frac Start Date	Top Perf (f)	Bottom Pe	V (slurry) (	Total Prop	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)
8/21/2008	2513	2647		8,600.0	34	2,131.0		2,324.0

Comment
Ppd MonoProp

Frac Start Date	Top Perf (f)	Bottom Pe	V (slurry) (	Total Prop	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)
3/30/2010								954.0

Comment
JOB SUMMARY Pumped 1,700 gallons of 15% FE HCl acid and used 51 1.1 SG rubber balls.

Initial breakdown was seen at 2257 psi and 2.1 bpm. Balled out to a maximum pressure of 2965 psi at 5 bpm.

ISIP after acid ball out was 850 psi which resulted in a 0.84 psi/ft frac gradient

Pumped 1,060 mscf of N2 and used 160 mscf for cool down.
Pumped 39,673 gallons of 9 cp Delta 140 w/ SSW frac fluid (excluding 2,077 gallons of Fluid flush) at an avg. rate of 17.3 bpm and an avg. WHP of 1,728 psi.

Pumped 98,868 gallons of 9 cp Delta 140 w/ SSW frac fluid at an avg. rate of 47.7 bpm and an avg. quality of 65.4% (foam volume)

Pumped 690.71 sacks of 20/40 Ottawa and 243.33 sacks of 20/40 CRC (per densometer) with a max BH sand concentration of 3.0 lb/gal

Coated all sacks of 20/40 CRC with SSW.

Treater:
TCC Operator
Engineer:

Frac Start Date	Top Perf (f)	Bottom Pe	V (slurry) (	Total Prop	AIR (b	ATP (psi)	MTP (psi)	ISIP (psi)
3/30/2010								741 0

Comment
JOB SUMMARY Pumped 1,900 gallons of 15% FE HCl acid and used 57 1.1 SG rubber balls.

Initial breakdown was seen at 2937 psi at 3.3 bpm. Balled out to a maximum pressure of 2415 psi.

ISIP after acid ball out was 680 psi which resulted in a 0.79 psi/ft frac gradient.

Pumped 694 mscf of N2 and used 160 mscf for cool down.

Pumped 25,673 gallons of 9 cp Delta 140 w/ SSW frac fluid (excluding 1,899 gallons of Fluid flush) at an avg. rate of 21.3 bpm and an avg. WHP of 1,640 psi.

Pumped 71,275 gallons of 9 cp Delta 140 w/ SSW frac fluid at an avg. rate of 53.2 bpm and an avg. quality of 71%

Pumped 918.7 sacks of 20/40 Ottawa and 306.9 sacks of 20/40 CRC (per weight tickets) with a max BH sand concentration of 4.2 lb/gal.

Coated all sacks of 20/40 CRC with SSW.

Treater:
TCC Operator
Engineer:PBTD,
2,4465 1/2" CIBP, 4,900,
2,446-2,448Top (MD):2,513,
Des.DakotaTD,
3,222