



XTO - Wellbore Diagram

Well Name: Golden Eagle 22-05

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05071076780000	322.0	FWL	2,284.0	FNL	T33S-R67W-S22	Purgatoire River	LAS ANIMAS	Colorado
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	94771	7,596.00	7,596.00	0.00	12/16/2003	Original Hole - 1780.0	2,368.0	PCP

Well Config: Vertical - Original Hole, 3/19/2013 2:46:00 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones						
					Zone	Top (ftKB)		Btm (ftKB)			
				-9	Raton	906.0		1,081.0			
				0	Vermejo	1,818.0		2,114.0			
				2	Casing Strings						
				7	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				9	Conductor	12 3/4	35.00	J-55		22.0	
				15	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				22	Surface	8 5/8	24.00	J-55		453.5	
				23	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				431	Production	5 1/2	15.50	J-55		2,238.0	
				452	Cement						
				453	Description	Type		String			
				454	Conductor Casing Cement	casing		Conductor, 22.0ftKB			
				460	Comment						
				620	Description	Type		String			
				621	Surface Casing Cement	casing		Surface, 453.5ftKB			
				646	Comment						
				650	Cmt'd csg w/125 sx Trinidad surf blend (14.0 ppg, 1.66 cuft/sk). Circ 32 bbls to surf.						
				906	Description	Type		String			
				907	Production Casing Cement	casing		Production, 2,238.0ftKB			
				947	Comment						
				949	Cement Squeeze						
				972	Mixed & ppd 150 sks Trinidad Prod blend cmt (13#, 2.04 yield) @ 4 BPM (max) & 960 psig (max). Flshd tbg 1/2 bbl short. No rets to surf.						
				973	Description	Type		String			
				998	Cement Squeeze	squeeze		Production, 2,238.0ftKB			
				1,001	Comment						
				1,022	05/01 Ppd 200 sacks of 13 lb/gal Trinidad Production Blend mid con II cmt. Max press 5 psig w/no returns. 05/04 Ppd 50 sks of 13 lb/gal Trinidad Production Blend mid con II cmt dn 5-1/2" csg. Max press 150 psig w/no returns. WO cmt 2 hrs. Ppd 16 bbls wtr @ 850 psig. BD to 150 psig. Ppd 50 sks of 13 lb/gal Trinidad Production Blend mid con II cmt. Max press 325 psig w/no returns. 05/06 Ppd 10 BW & 83 sxs of 13 ppg Trinidad Production Blend mid con II cmt. Max press 1,350 psig. Ppd 4 sxs cmt to pit.						
				1,023							
				1,052							
				1,053							
				1,070							
				1,071							
				1,080							
				1,081							
				1,191							
				1,195							
				1,198							
				1,199							
				1,221							
				1,224							
				1,257							
				1,258							
				1,258							
				1,780							
				1,800							
				1,802							
				1,818							
				1,970							
				2,086							
				2,114							
				2,214							
				2,215							
				2,237							
				2,238							
				2,368							

Top (MD):906, Des:Raton

PBTD, 1,780

5-1/2" CIBP with Cement, 5,100, 1,800-1,802

Top (MD):1,818, Des:Vermejo

TD, 2,368

Perforations									
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
4/29/2004	620.0	621.0	3.0						
3/23/2004	650.0	650.0	4.0						
12/5/2005	906.0	907.0	3.0	0.400	120		Raton		
12/5/2005	947.0	949.0	3.0	0.400	120		Raton		
12/5/2005	972.5	973.5	3.0	0.400	120		Raton		
12/5/2005	998.0	1,001.0	3.0	0.400	120		Raton		
12/5/2005	1,022.0	1,023.0	4.0	0.400	120		Raton		
12/5/2005	1,052.5	1,053.5	4.0	0.400	120		Raton		
12/5/2005	1,069.5	1,071.0	4.0	0.400	120		Raton		
12/5/2005	1,080.0	1,081.0	4.0	0.400	120		Raton		
1/22/2004	1,818.0	1,970.0	3.0				Vermejo		
1/22/2004	2,086.0	2,114.0	3.0				Vermejo		

Tubing Strings									
Tubing Description					Run Date		Set Depth (ftKB)		
Tubing - Production					8/3/2011		1,258.3		

Tubing Components									
Item Description	Jts	Model	OD (in)	Wt (lbs/...	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	38	T&C Upset	2 7/8	6.50	J-55	8RD EUE	1,190.93	0.0	1,191.0
Tubing Sub	1	T&C Upset	2 7/8	6.50	J-55	8RD EUE	4.10	1,191.0	1,195.1



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