



# XTO - Wellbore Diagram

Well Name: Golden Eagle 30-12

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
05071092390000	734.0	FWL	1,704.0	FSL	T33S-R67W-S30	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	94965	7,888.00	7,888.00	0.00	1/28/2008	Original Hole - 2325.0	2,400.0	PCP

Well Config: Vertical - Original Hole, 3/5/2014 2:10:48 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones							
				-13	Zone		Top (ftKB)		Btm (ftKB)			
				0	Raton		506.0		1,640.0			
				3	Vermejo		1,842.0		2,132.5			
				15	Casing Strings							
				46	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...		
				398	Conductor	13 3/8	48.00	H-40		46.1		
				495	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...		
				506	Surface	8 5/8	24.00	J-55		495.5		
				530	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...		
				543	Production	5 1/2	15.50	J-55		2,372.6		
				638	Item Description	OD Nominal (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)		
				653	Stage Tool	5 1/2	15.50	J-55	1,559.7	1,560.8		
				676	Item Description	OD Nominal (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)		
				703	External Casing Packer	5 1/2	15.50	J-55	1,560.8	1,569.2		
				741	Cement							
				801	Description	Type		String				
				813	Conductor Casing Cement	casing		Conductor, 46.1ftKB				
				852	Comment							
				894	Description	Type		String				
				930	Surface Casing Cement	casing		Surface, 495.5ftKB				
				984	Comment							
				1,010	Description	Type		String				
				1,060	Production Casing Cement	casing		Production, 2,372.6ftKB				
				1,087	Comment							
				1,091	Description	Type		String				
				1,136	Cement Squeeze	squeeze		Production, 2,372.6ftKB				
				1,297	Comment							
				1,317	Perforations							
				1,523	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone
				1,554	2/26/2008	506.0	507.0			120	Sq...	Raton
				1,560	2/26/2008	529.5	530.5			120	Sq...	Raton
				1,561	2/26/2008	543.0	545.0			120	Sq...	Raton
				1,624	2/26/2008	638.5	639.5			120		Raton
				1,638	2/26/2008	652.5	653.5			120		Raton
				1,842	2/26/2008	676.0	680.0			120		Raton
				1,846	2/26/2008	703.5	706.5			120		Raton
				1,871	2/26/2008	741.0	742.0			120		Raton
				1,892	2/25/2008	801.0	802.0			120		Raton
				1,899	2/25/2008	813.0	814.0			120		Raton
				1,980	2/25/2008	852.0	854.5			120		Raton
				2,038	2/25/2008	894.0	896.0			120		Raton
				2,061	2/25/2008	930.5	931.5			120		Raton
				2,075	2/25/2008	984.0	987.0			120		Raton
				2,098	2/25/2008	1,010.0	1,013.0			120		Raton
				2,109	2/25/2008	1,060.0	1,061.0			120		Raton
				2,131	2/25/2008	1,087.0	1,088.0			120		Raton
				2,209	2/25/2008	1,091.0	1,093.0			120		Raton
				2,215	2/25/2008	1,136.5	1,137.5			120		Raton
				2,242	2/25/2008	1,297.0	1,298.0			120		Raton
				2,244	2/25/2008	1,316.5	1,317.5			120		Raton
				2,326	2/25/2008	1,523.0	1,524.0			120		Raton
				2,371	2/25/2008	1,624.0	1,625.0			120		Raton
				2,400	2/25/2008	1,638.0	1,640.0			120		Raton
				2,400	2/25/2008	1,842.0	1,844.0			120		Vermejo

Top (MD):506,  
Des:Raton

Top (MD):1,842,  
Des:Vermejo

PBTD,  
2,325

TD, 2,400



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Vertical	94965	7,888.00	7,888.00	0.00	1/28/2008	Original Hole - 2325.0	2,400.0	PCP

Well Config: Vertical - Original Hole, 3/5/2014 2:10:48 PM

Schematic - Actual				Incl	ftKB (TVD)	ftKB (MD)	Perforations												
							Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone					
							2/25/2008	1,846.5	1,847.5			120		Vermejo					
							2/25/2008	1,871.0	1,872.0			120		Vermejo					
							2/25/2008	1,892.0	1,893.0			120		Vermejo					
							2/25/2008	1,899.0	1,900.0			120		Vermejo					
							2/22/2008	1,980.0	1,981.0			120		Vermejo					
							2/22/2008	2,038.5	2,039.5			120		Vermejo					
							2/22/2008	2,061.5	2,062.5			120		Vermejo					
							2/22/2008	2,075.5	2,076.5			120		Vermejo					
							2/22/2008	2,098.5	2,099.5			120		Vermejo					
							2/22/2008	2,108.5	2,109.5			120		Vermejo					
							2/22/2008	2,131.0	2,132.5			120		Vermejo					
Tubing Strings																			
Tubing Description					Run Date					Set Depth (ftKB)									
Tubing - Production					2/19/2014					2,243.9									
Tubing Components																			
Item Description		Jts	Model	OD (in)	Wt (lbs/...	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)									
Tubing		67	T&C Upset	2 7/8	6.50	J-55	8RD EUE	2,208.71	0.0	2,208.7									
Tubing Sub		1	T&C Upset	2 7/8	6.50	J-55	8RD EUE	4.10	2,208.7	2,212.8									
Stator		1	30S3...	3 3/4			8RD EUE	29.55	2,212.8	2,242.4									
No Turn Tool		1		5 1/2			8RD EUE	1.05	2,242.4	2,243.4									
Notched Collar		1		2 7/8			8RD EUE	0.44	2,243.4	2,243.9									
Rods																			
Rod Description					Run Date					String Length (ft)					Set Depth (ftKB)				
Rod - Rotor					2/19/2014					2,253.35					2,240.0				
Rod Components																			
Item Description		Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)											
Polished Rod		1		1 1/4		16.00	-13.3	2.7											
Rod Sub		1		7/8	D	4.00	2.7	6.7											
Rod Sub		1		7/8	D	8.00	6.7	14.7											
Sucker Rod w/Molded Guides		88		7/8	D	2,200.00	14.7	2,214.7											
Rotor		1	30S340	1 1/2		25.35	2,214.7	2,240.0											
Stimulations & Treatments																			
Frac Start Date		Top Perf (ft...	Bottom Pe...	V (slurry) (...)		Total Prop...		AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)								
2/25/2008											55.0								
Comment																			
Frac Start Date		Top Perf (ft...	Bottom Pe...	V (slurry) (...)		Total Prop...		AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)								
2/25/2008											0.0								
Comment																			
Frac Start Date		Top Perf (ft...	Bottom Pe...	V (slurry) (...)		Total Prop...		AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)								
2/25/2008											1.0								
Comment																			
Frac Start Date		Top Perf (ft...	Bottom Pe...	V (slurry) (...)		Total Prop...		AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)								
2/25/2008											156.0								
Comment																			
Frac Start Date		Top Perf (ft...	Bottom Pe...	V (slurry) (...)		Total Prop...		AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)								
2/26/2008											193.0								
Comment																			



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## Stimulations & Treatments

PBTD,  
2,325