



XTO - Wellbore Diagram

Well Name: **Golden Eagle 30-12**

API/UWI 05071092390000	E/W Dist (ft) 734.0	E/W Ref FWL	N/S Dist (ft) 1,704.0	N/S Ref FSL	Location T33S-R67W-S30	Field Name Purgatoire River	County Las Animas	State/Province Colorado
Well Configuration Type Vertical	XTO ID B 94965	Orig KB Elev (ft) 7,888.00	Gr Elev (ft) 7,888.00	KB-Grd (ft) 0.00	Spud Date 1/28/2008	PBTD (All) (ftKB) Original Hole - 2325.0	Total Depth (ftKB) 2,400.0	Method Of Production PCP

Well Config: Vertical - Original Hole, 2/4/2014 1:49:38 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones						
					Zone	Top (ftKB)		Btm (ftKB)			
				-13	Raton	506.0		1,640.0			
				0	Vermejo	1,842.0		2,132.5			
Casing Strings											
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...						
Conductor	13 3/8	48.00	H-40		46.1						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...						
Surface	8 5/8	24.00	J-55		495.5						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...						
Production	5 1/2	15.50	J-55		2,372.6						
Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)						
Stage Tool	5 1/2	15.50	J-55	1,559.7	1,560.8						
Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)						
External Casing Packer	5 1/2	15.50	J-55	1,560.8	1,569.2						
Cement											
Description	Type			String							
Conductor Casing Cement	casing			Conductor, 46.1ftKB							
Comment											
Description	Type			String							
Surface Casing Cement	casing			Surface, 495.5ftKB							
Comment											
Description	Type			String							
Production Casing Cement	casing			Production, 2,372.6ftKB							
Comment											
Perforations											
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone				
2/26/2008	506.0	507.0			120		Raton				
2/26/2008	529.5	530.5			120		Raton				
2/26/2008	543.0	545.0			120		Raton				
2/26/2008	638.5	639.5			120		Raton				
2/26/2008	652.5	653.5			120		Raton				
2/26/2008	676.0	680.0			120		Raton				
2/26/2008	703.5	706.5			120		Raton				
2/26/2008	741.0	742.0			120		Raton				
2/25/2008	801.0	802.0			120		Raton				
2/25/2008	813.0	814.0			120		Raton				
2/25/2008	852.0	854.5			120		Raton				
2/25/2008	894.0	896.0			120		Raton				
2/25/2008	930.5	931.5			120		Raton				
2/25/2008	984.0	987.0			120		Raton				
2/25/2008	1,010.0	1,013.0			120		Raton				
2/25/2008	1,060.0	1,061.0			120		Raton				
2/25/2008	1,087.0	1,088.0			120		Raton				
2/25/2008	1,091.0	1,093.0			120		Raton				
2/25/2008	1,136.5	1,137.5			120		Raton				
2/25/2008	1,297.0	1,298.0			120		Raton				
2/25/2008	1,316.5	1,317.5			120		Raton				
2/25/2008	1,523.0	1,524.0			120		Raton				
2/25/2008	1,624.0	1,625.0			120		Raton				
2/25/2008	1,638.0	1,640.0			120		Raton				
2/25/2008	1,842.0	1,844.0			120		Vermejo				
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				

Top (MD):506,
Des:Raton

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

PBTD,
2,325

TD, 2,400



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Well Configuration Type Vertical	XTO ID B 94965	Orig KB Elev (ft) 7,888.00	Gr Elev (ft) 7,888.00	KB-Grd (ft) 0.00	Spud Date 1/28/2008	PBTD (All) (ftKB) Original Hole - 2325.0	Total Depth (ftKB) 2,400.0	Method Of Production PCP

Well Config: Vertical - Original Hole, 2/4/2014 1:49:38 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Perforations									
				-13	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
				0	2/22/2008	2,075.5	2,076.5			120		Vermejo		
				3	2/22/2008	2,098.5	2,099.5			120		Vermejo		
				15	2/22/2008	2,108.5	2,109.5			120		Vermejo		
				46	2/22/2008	2,131.0	2,132.5			120		Vermejo		
Tubing Strings														
Tubing Description							Run Date			Set Depth (ftKB)				
Tubing - Production							9/15/2011			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							9/16/2011			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														
Frac Start Date		Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)					
2/26/2008									466.0					
Comment														
Frac Start Date		Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)					
2/26/2008									352.0					
Comment														