

30-039-31174

ENERVEST OPERATING, LLC

Jicarilla A # 7M As completed

TYPE	Dakota/MV	RIG	TBD	DATE	17-Sep-2013
FIELD		COUNTY	Rio Arriba	ELEVATION	6676' GL, 6689' KB
GAS/OIL	Gas/Oil	MUD	LSND	BHT/BHP	
LOCATION	SHL = 1268' FSL & 1658' FWL Unit N, Sec 17, T26N, R5W			Lat: 36.48333, Long: -107.38634	
	BHL = 1258' FSL & 1653' FWL Unit N, Sec 17, T26N, R5W			Lat: 36.28599, Long 107.38636	

NOTES:

				DEPTH TVD							
Surface Section				Cemented to Surface				Cement to surface			
Inclination @ every 500'				12 1/4" Hole >							
TOC Surf				9-5/8", 36#, J-55, LT&C				523'			
Production Section				7 7/8" Hole from 523' to TD >							
2 3/8" 4.7# J-55 tubing set @ 7585 SN @ 7584											
				Ojo Alamo >				2511'			
TOC = 2585'								2585' << Stage Collar Cementing Tool			
				Kirtland >				2790'			
				Fruitland Coal >				3045'			
				Picture Cliffs >				3142'			
				Lewis Shale >				3240'			
				Chacra >				4073'			
TOC = 4620'								4464' << Stage Collar Cementing Tool			
				Cliffhouse >				4822' Drilled w/PDC , motor, 4-1/2" DP 8.8-9.1 PPG LSND Bentonite Mud			
				Menefee >				4873'			
Marker Jt = 4925' to 4945' >											
Point Lookout >								5387'			
U MV: 9-16-13: Perfs: 4898-4944, Acid balloff, Frac 80000# 20/40 + 20000# RC foam frac 60 bpm				Mancos (geo) >				5533'			
L MV: 9-16-2013, Perfs: 5246-5499 44 holes: Acid balloff, Frac 166000# 20/40 + 40000# RC, N2 foam @ 70 bpm				Mancos (Reg) >				5887'			
U Dak: Perfs: 9-14-13: 7388-7437, 26 holes, Acid balloff, Frac 63000# 20/40 and 2679 bbl slickwater @ 65 bpm				Gallup >				6549'			
L Dak: Perfs: 9-14-13: 7519-7620, 35 holes, Acid balloff, Frac 144000# 20/40 in 4100 bbl slickwater @ 74 bpm				Greenhorn >				7298'			
				Graneros Shale >				7360'			
				Dakota >				7387'			
								<< FC @ 7695', PBTD 7695' tubing tally			
4-1/2", 11.6#, N-80 LT&C - To Surface				Csg 7736'							
				TD = 7740'							
AFE #		CO-1302-234		REGULATORY		B Trevino		713-495-5355			
EV #		54013.028		ENGINEER		R Trueheart / L Diede		713-495-1581 / 505-334-8867			
API #		30-039-31174		GEOLOGIST		G Kowalczyk		713-495-6590			

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