

ENERVEST OPERATING, LLC

Jicarilla Apache Tribal 125 # 18 (As Completed)

TYPE	Dakota	RIG	TBD	DATE	6-Oct-2014
FIELD	San Juan	COUNTY	Rio Arriba	ELEVATION	GL=7116' , KB=7129'
GAS/OIL	Gas/Oil	MUD	LSND	BHT/BHP	165 deg / 1751 psi
LOCATION	SHL; 895' FSL & 1874' FEL Unit O, Sec 26, T25N, R4W			SHL; -107.218661 W, 36.365917 N (NAD 27)	
	BHL; 660' FSL & 1100' FEL Unit P, Sec 26, T25N, R4W			BHL; -107.216042 W, 36.365219 N, (NAD 27)	

COMMENTS: OBJECTIVE FORMATION: Dakota

NOTES: This well will be drilled as an "S" shaped well

		DEPTH TVD	
Surface Section			
Cemented to Surface			
Inclination @ 500'	12 1/4" Hole > 8-5/8", 24#, J-55, ST&C		Cement to surface with 297 sx (413 cu ft) Type III cement
Production Section			
Cemented to Surface with 3 Stages			
7 7/8" Hole from 500' to TD >			
Production Tubing:			
2 3/8" 4.7# J-55 Set @ 7938', SN @ 7925'. TAC @ 7600', w/ 16000# tension.			
	Ojo Alamo >	2,889'	
		2877'	< < Stage Collar Cementing Tool
	Kirtland >	3,142'	
	Fruitland Coal >	3,346'	
	Picture Cliffs >	3,459'	
	Lewis >	3,549'	
	Chacra >	4,359'	
			< < Resume vertical hole @ +/- 6200' MD Vertical Section = +/- 807' E & S
		4830'	< < Stage Collar Cementing Tool
	Marker Jt 5175'-5189'		
	Cliffhouse >	5135	
	Menefee >	5180	
	Point Lookout >	5651	
			Stg 1; 525 sx (1055 cu ft) prem lite HS @ 12.5 ppg, 2.01 yld. 30bbl cement to surface.
	Mancos >	5822	
	Regulatory Mancos	6151	
			Stg2; Lead of 281 sx (599 cu ft) prem lite @ 12.1 ppg, 2.13 yld. Tail of 50 sx (70 cu ft) Type III cement @ 14.6 ppg, 1.38 yld. 35 bbl cement to surface.
Upper Dakota; 9-11-14; 7699-7808 34 - 0.40" holes. Breakdown with 1000 gal 15% HCl and balls, Frac with 170100 gal 20# gel and 173960# 20/40 sand @ 56.6 bpm.			
	Gallup >	6826	
Lower Dakota 9-11-14; 7846-7906, 42 - 0.40" holes. Breakdown w/ 1000 gal 15% HCl and balls, Frac with 161910 gal 20# gel and 158000 # 20/40 mesh sand @ 54.7 bpm.			
	Marker Jt 7617'-7634'		
	Greenhorn >	7611	
	Graneros Shale >	7670	
			Stg3; Lead of 405 sx (863 cu ft) prem lite @ 12.1 ppg, yld 2.13 yld. Tail of 50 sx (69 cu ft) Type III cement. 35 bbls cement to surface.
	Dakota >	7692	
			Logs: GR/ RMT CBL
			FC @ 8027' PBSD 8032'
	4-1/2", 11.6#, N-80 LT&C - To Surface		
	Set @ 8071'		
		8073' MD 8009' TVD	
AFE #	CO 1401-208	REGULATORY	S Doescher
EV #	37901.005	ENGINEER	L Diede
API #	30-039-31229	GEOLOGIST	G Kowalczyk
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OIL CONS. DIV DIST. 3
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