Energy Partners LP Geologic Tops (MD ft)		Hornet SWD Lea County NM Vertical Injection - Devonian, Silurian, Fusselman, Montoya		Location - Sec 6, Twp 26S, R 36E Drilling and Complete Cost - \$11.0MM Problems	TD GL/KB Mud	19,930	Directions to Site - Travel West 6.3 miles from Jal along NM 128, turn South and travel 3.2miles to location. Lat/Long 32.10143, -103.32123		
						3,000			
		Section				Casing	Logging Cement (HOLD) Injection St		Injection Stri
Rustler	867		Surface - Isolate Aquifers Drill 30" 0' - 1190 Set and Cement 26" Casing	Loss Circulation Hole Cleaning Wellbore stability in the Red Beds Anhydrite in the Rustler	Spud Mud MW< 9.0	1190' of 26", 202pp, X56 pipe (conn tbd) Centralizers - bottom 2 joints and every 3rd jt thereafter, Cement basket at 200'	No Logs	Lead -890 sx of HES Extenda Cem, 13.7ppg, 4.5hrs TT Tail - 815 sx of Halcem 3hr TT 75% Excess 1000psi CSD after 10hrs	
Surface TD - Top of Salt Base of Salt 1st Int TD -	1259 4774 4800		1st Intermediate - Isolate Salt Drill 3650' of 24" Hole 1150' - 4800' Set and Cement 20" Casing	Anhydrite Salt Sections	Saturated Brine	5M A Section Casing Bowl 4800' of 20" 133# K55 STC Centralizers - bottom jt, every 3rd joint in open hole and 2 jt inside the surface casing	Mudlogger on site by 1600'	Lead - 1698 sx of Neocem 12.9ppg, 5hr TT Tail - 3262 sx of Halcem, 14.8ppg 60% Excess; 1000psi CSD after 10 hrs Cement to Surface	
apitan Reef Complex Delaware 2nd Int TD -	5216 5200	Ш	2nd Intermediate - Isolate Capitan Reef Drill 4050' of 17-1/2" Hole 4800' - 5200' Set and Cement 13-3/8" Casing	Possible Losses	Fresh Water Gel Polymer	5200' of 13-3/8" 68# HCL80 BTC Centralizers - bottom jt, every 3rd joint in open hole and 2 jt inside the surface casing	MWD GR Triple combo + CBL of 20" Casing	Lead - 2012 sx of Neocem 12.9ppg, 5hr TT Tail - 1847 sx of Halcem, 14.8ppg 60% Excess; 1000psi CSD after 10 hrs Cement to Surface	12,400' of 7 P110 26# TC
Wolfcamp -	5160 5272 6234 7670 9000 9090 12,400 12670 12,900		2nd Intermediate Drill 7700' of 12-1/4" Hole 5200' - 12,900' Set 9-5/8" Intermediate Casing and Cement in 3 Stages	Hard Drilling in the Brushy Canyon Seepage to Complete Loss Water Flows Some Anhydrite H2S possible Production in the Bone Spring and Wolfcamp Ballooning is possible in Cherry Canyon and Brushy if Broken Down	8.5 ppg OBM High Vis Sweeps UBD/MPD usig ADA	10M B Section 12900' of 9-5/8" 53.5# P110 BTC Special Drift to 8.535" Externally Coat Between DV Tools DV tool at at 9000' ECP DV Tool 15' Inside Previous Casing Centralizers - bottom jt, 100' aside of DV tool, every 3rd joint in open hole and 5 within the surface casing	MWD GR Triple combo + CBL of 13- 3/8" Casing	Stage 3: 0% Excess	5795' of 5-1/ P110 17# TC Duoline Internally Coated Inject Tubing
Strawn - Atoka - Morrow - Miss Lst - Woodford - Perm Packer - 3rd Int TD -	13220 14338 15174 17572 17980 18,195 18,220		3rd Intermediate Drill 5320' of 8-1/2" Hole 12900 - 18220' Set 7-5/8" Liner and Cement in Single Stage	High Pressure (up to 15ppg) and wellbore instability (fracturing) expected in the Atoka 150 target radius Hard Drilling in the Morrow Clastic	12.5 ppg OBM UBD/MPD using ADA	5320' of 7-5/8" 39# LS 140 - DTL (FJ4) FJ (Gas Tight) VersaFlex Packer Hanger Centralizers on and 1 jt above shoe jt and then every 2nd jt.	MWD GR Triple combo, CBL of 9-5/8" Casing	Lead 249sx Neocem 12.9 ppg Tail 101sx Halcem 14.8ppg. 1000psi CSD after 10hrs 8hr TT 35% Excess 1000psi CSD after 10hrs	7-5/8" x 5-1, TCPC Permanen Packer witi High Temp
Devonian - 1 Fusselman - 1 Montoya - 1	9335		Injection Interval Drill 1710' of 6-1/2" hole 18220' - 19930'	Chert is possible Loss of Circulation is expected H2S encountered on the Striker 3 well BHT estimated at 280F	Fresh Water - possible flows	Openhole completion	MWD GR Triple Combo with FMI, CBL of 7-5/8"	Displace with 3% KCl (or heavier brine if necessary)	Elastomer a full Inconel 9 trim