

KOCH EXPLORATION CO LLC DAILY DRILLING REPORT										
Well:	WRD Federal 7-33			Date:	8-13-012		Drilled to:			
County/ST:	Rio Blanco, CO			Days:	5		Drilled from:	0		
Location:	33-T-2N-R-97W SWNE			Rig:	DUCO		Footage:	0		
Elevation:	0			Supervisor:	Clark					
BIT DATA							COST DATA (US\$)			
Bit #	Size	Make	Type	Serial #	Jets	Cond	Location	Daily	Cumulative	
							Rig move		\$0	
Bit #	In	Out	Feet	Hours	WOB	RPM	Rig	\$4,200	\$21,700	
							Fuel		\$0	
							Camper		\$0	
PUMP DATA							BOPE	\$250	\$1,250	
Pump #	Make	Model	Liner	SPM	Rate	Pressure	Bits		\$0	
0	0	0	0	0			Air Equip		\$0	
0	0	0	0	0			Equip rental	\$1,300	\$4,900	
0	0	0	0	0			Mud		\$0	
0	0	0	0	0			Mud Logger		\$0	
SURVEY DATA							Trucking		\$1,400	
Depth	Deviation	Direction	Depth	Deviation	Direction		Water		\$500	
							Labor	\$2,000	\$7,000	
							Supervision		\$0	
							Core/DST		\$0	
MUD DATA							Logs		\$0	
Weight	Visc	YP	PV	Gels	WL	Cake	Cement	\$500	\$2,300	
							Fishing		\$0	
% Oil	% Water	% Solids	pH	Ca	Cl	LCM	Misc	\$250	\$1,250	
							Casing		\$0	
AIR DATA-DRILLING			GAS DATA-DRILLING				Tubing		\$0	
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation	Rods		\$0	
							Wellhead		\$0	
							TOTAL	\$8,500	\$40,300	
Fuel Usage										
Rig EngType	Model	HP	Fuel Type	Gallons Used	Pump Eng Type	Model	HP	Gallons Used		
Detroit	Series 50	380	Diesel	15	Detroit	Series 50/Diesel	380	15		
	Total Gals	Rig Eng	61	Pump Eng	72	Ttl Rig & Pump	133			
TIME DISTRIBUTION										
Hours	Operation									
5:30-7:00	Crew travel from Vernal.									
7:00-10:00	Safety Meeting: Go over plans for drilling. Run in, tag TOC @ 313', break circulation, start drilling cement.									
	Drilling hard cement 313-391'. At 391' bit fell through cement. Circulated hole clean, ran into 425', hole clean. Close rams, pressure up on casing to 500#, dropped in pressure quickly. Pressure up to 600#, pressure dropped to 250# in 3 minutes. 1 more attempt with like results. Trip out of hole. Call for packer.									
10:00-12:00	Wait on packer.									
12:00-15:00	Packer on location @ 12:00. Pickup packer, trip in hole to 320'. Set packer, test below packer, casing would not hold pressure.									
	Test above the packer, casing held 500# OK. Trip in hole to 385', set packer. Test below packer, casing did not hold pressure. Run into 447', set and test. Casing held below the packer. Looks like hole is in casing between 320' and 417'. Casing had tested before the 1st squeeze @ 417'. Trip out of hole with packer. Trip in hole to 447'. Mix cement, pump 17 sks 15.6#, 1.16 Yield, (19.72 CUFT). Displace with 1 bbl, trip out of hole. Shut blind rams, pressure up on casing to 500#. SWI. SDFD.									
15:00-15:30	Wash up equipment.									
15:30-17:00	Crew travel to Vernal.									
	Note: Will drill out cement in the AM.									
BHA DATA:										
OPERATION @ 6 AM:										
	REMARKS:									

