KOCH EXPLORATION CO LLC DAILY DRILLING REPORT

Well:	WRD Fee A-29-2N-96W	Date:	11/12/2015	Drilled to:	
County/ST:	Rioblanco Co.	Days:	1	Drilled from:	0
Location:	NENE, Sec. 29, T2N, R96W	Rig:	Peak Well service	Footage:	0
Elevation:		Supervisor:	Lapp		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
	12 1/4					
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	YP	PV	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (US$)

	Daily	Cumulative	
Location		$0	
Rig move		$0	
Rig	$8,500	$8,500	Rig, P&A equip
Fuel		$0	
Camper		$0	
BOPE		$0	
Bits		$0	
Air Equip		$0	
Equip rental	$100	$100	Tanks
Mud		$0	
Mud Logger		$0	
Trucking	$350	$350	
Water	$800	$800	
Labor		$0	
Supervision		$0	
Core/DST		$0	
Logs		$0	
Cement		$0	
Fishing		$0	
Misc		$0	
Casing		$0	
Tubing		$0	
Rods		$0	
Wellhead		$0	
TOTAL	$9,750	$9,750	

Fuel Usage

Rig EngType	Model	HP	Fuel Type	Gallons Used	Pump Eng Type	Model	HP	Gallons Used
Detroit	Series 60	575	Diesel		Detroit	Series 50/Diesel	380	
	Total Gals	Rig Eng	0	Pump Eng	0	Ttl Rig & Pump	0	

TIME DISTRIBUTION

Hours	Operation
5:00-7:00	Crew travel & safety mtg.
7:00-10:00	Move rig & P&A equip from the A-6 to the A-29, spot in & RU.
10:00-17:00	Blow down well, surface annulus had no psi. ND WH & NU Bop's. RU floor & equip. PU 4 3/4" bit, 5 1/2" csg scraper, RIH PU work string
	tag stub @ 6093' w/ 186 jts. POOH w/ tbg LD bit & scraper. PU 5 1/2" CIBP. RIH & set CIBP @ 6080'. Test csg to 500#. No test.
	Bled down to 200# instantly. POOH w/ 5 Stds, to drop fluid level down in well.
	SDFN
17:00-19:00	Crew travel.
	Note:Plan to spot cement on top of CIBP, POOH, PU packer & start to look for leaks.

BHA DATA:

OPERATION @ 6 AM:

REMARKS:

KOCH EXPLORATION CO LLC DAILY DRILLING REPORT

Well:	WRD Fee A-29-2N-96W	Date:	11/13/2015	Drilled to:	
County/ST:	Rioblanco Co.	Days:	2	Drilled from:	0
Location:	NENE, Sec. 29, T2N, R96W	Rig:	Peak Well service	Footage:	0
Elevation:	0	Supervisor:	Lapp		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	YP	PV	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (US$)

	Daily	Cumulative	
Location		$0	
Rig move		$0	
Rig	$8,500	$17,000	Rig/P&A equip
Fuel		$0	
Camper		$0	
BOPE		$0	
Bits		$0	
Air Equip		$0	
Equip rental	$100	$200	
Mud		$0	
Mud Logger		$0	
Trucking		$350	
Water		$800	
Labor		$0	
Supervision		$0	
Core/DST		$0	
Logs		$0	
Cement		$0	
Fishing		$0	
Misc	$3,000	$3,000	Pkr/ tool hand
Casing		$0	
Tubing		$0	
Rods		$0	
Wellhead		$0	
TOTAL	$11,600	$21,350	

Fuel Usage

Rig EngType	Model	HP	Fuel Type	Gallons Used	Pump Eng Type	Model	HP	Gallons Used
Detroit	Series 60	575	Diesel		Detroit	Series 50/Diesel	380	
	Total Gals	Rig Eng	0	Pump Eng	0	Ttl Rig & Pump	0	

TIME DISTRIBUTION

Hours	Operation
5:00-7:00	Crew travel & safety mtg.
7:00-17:00	RIH w/ 5 Std's, RU cement equip. Thaw out pump & cement mixer, +16 deg. This morning, fresh water wanting to turn solid.
	Pump 2 sxs 15.8# cement down tbg, Tbg psi up within 3 Bbls of displacement. Reverse out cement, Try to pump cement again, Tbg
	psi up again, revesed out. Ice chucks seem to be plugging tbg. Skip cement on CIBP for now. PU 5 1/2" full bore Pkr, & RIH to 3800'
	Test csg below pkr, no test, test csg above pkr, Tested good to 500#. Release Pkr & RIH to 5000' test csg below pkr, tested good.
	move pkr to 4660' test below pkr, tested good, move pkr to 4335' test below pkr, no test, test above Pkr tested good, move pkr to
	4466' test above pkr tested good. Move pkr to 4520' tested below pkr tested good, tested above pkr, no test. Leak is very tight, pump
	less than a 1/4 Bbl/min @ 500 #, psi bleads down to 250 # then holds. Csg leak is @ 4500' +/-. POOH & LD Pkr. RIH w/ tbg open ended
	To pump cement on top of CIBP. Kyle w/ COGCC notified of leak & depth, Plan was come up with by us & approved by the COGCC
	To perforate @ 4500' instead of 3810', set CR @ 4400+/-. And pump 215 sxs cement instead of 100 sxs. After that we will continue with
	procedure as written.
17:00-19:00	Crew travel .
	Note: Plan to spot cement on CIBP first thing Monday morning.
BHA DATA:	

OPERATION @ 6 AM:

REMARKS:

KOCH EXPLORATION CO LLC DAILY DRILLING REPORT

Well:	WRD Fee A-29-2N-96W	Date:	11/16/2015	Drilled to:	
County/ST:	Rioblanco Co.	Days:	3	Drilled from:	0
Location:	NENE, Sec. 29, T2N, R96W	Rig:	Peak Well service	Footage:	0
Elevation:	0	Supervisor:	Lapp		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	YP	PV	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (US$)

	Daily	Cumulative
Location		$0
Rig move		$0
Rig	$8,500	$25,500
Fuel		$0
Camper		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$100	$300
Mud		$0
Mud Logger		$0
Trucking		$350
Water		$800
Labor		$0
Supervision		$0
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc		$3,000
Casing		$0
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL	$8,600	$29,950

Fuel Usage

Rig EngType	Model	HP	Fuel Type	Gallons Used	Pump Eng Type	Model	HP	Gallons Used
Detroit	Series 60	575	Diesel		Detroit	Series 50/Diesel	380	
	Total Gals	Rig Eng	0	Pump Eng	0	Ttl Rig & Pump	0	

TIME DISTRIBUTION

Hours	Operation
5:00-7:00	Crew travel & safety mtg
7:00-11:00	Finish RIH w/ tbg to CIBP, spot 5 sxs 15.8 G cement on top of CIBP. POOH w/ tbg, MIRU wireline, RIH @ perforate @ 4500', POOH
	& RD wireline.
11:00-17:00	RIH w/ CR & tbg, set CR @ 4450' Pump 215 sxs 15 15.6# G cement to cover the Ohio Creek, pump psi up to 2000# at time of
	displacement, (good lift). Displace tbg leaving 2 sxs in tbg, Sting out of CR, spot 2 sxs cement on top of CR. POOH w/ tbg. RU wireline
	RIH & perforate @ 2127', POOH. RDMO wireline. RIH w/ CR & tbg, set CR @ 2100' RU circ equip. Pumped 20 bbls @ 800#. No sign
	of circ at surface, Pump 40 sxs 15.6# G cement under CR, Sting out @ spot 12 sxs cement on top of CR. POOH to 500' w/ tbg.
	Drain up circ & cement equip.
	SDFN
17:00-19:00	Crew travel.
	Note: Plan to pump final 500' plug in the 5 1/2" & top job on the 9 5/8" this morning.
BHA DATA:	

OPERATION @ 6 AM:

REMARKS:

KOCH EXPLORATION CO LLC DAILY DRILLING REPORT

Well:	WRD Fee A-29-2N-96W	Date:	11/17/2015	Drilled to:	
County/ST:	Rioblanco Co.	Days:	4	Drilled from:	0
Location:	NENE, Sec. 29, T2N, R96W	Rig:	Peak Well service	Footage:	0
Elevation:	0	Supervisor:	Lapp		

BIT DATA

Bit #	Size	Make	Type	Serial #	Jets	Cond
Bit #	In	Out	Feet	Hours	WOB	RPM

PUMP DATA

Pump #	Make	Model	Liner	SPM	Rate	Pressure
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		
0	0	0	0	0		

SURVEY DATA

Depth	Deviation	Direction	Depth	Deviation	Direction	

MUD DATA

Weight	Visc	YP	PV	Gels	WL	Cake
% Oil	% Water	% Solids	pH	Ca	Cl	LCM

AIR DATA-DRILLING			GAS DATA-DRILLING			
Air Rate	Foam Rate	Foam Mix	Depth	Flare	Duration	Operation

COST DATA (US$)

	Daily	Cumulative
Location		$0
Rig move		$0
Rig	$8,500	$34,000
Fuel		$0
Camper		$0
BOPE		$0
Bits		$0
Air Equip		$0
Equip rental	$100	$400
Mud		$0
Mud Logger		$0
Trucking	$600	$950
Water		$800
Labor		$0
Supervision		$0
Core/DST		$0
Logs		$0
Cement		$0
Fishing		$0
Misc		$3,000
Casing		$0
Tubing		$0
Rods		$0
Wellhead		$0
TOTAL	$9,200	$39,150

Fuel Usage

Rig EngType	Model	HP	Fuel Type	Gallons Used	Pump Eng Type	Model	HP	Gallons Used
Detroit	Series 60	575	Diesel		Detroit	Series 50/Diesel	380	
	Total Gals	Rig Eng	0	Pump Eng	0	Ttl Rig & Pump	0	

TIME DISTRIBUTION

Hours	Operation
5:00-7:00	Crew travel & safety mtg.
7:00-11:00	RU cement equip, Tbg is set @ 500', pump 28 sxs 15.6# G cement leaving cement top within 100' of surface. POOH LD tbg, RD floor
	ND bop's. RD rig, Dig around and cut off WH, Run 1" down 100' in the 5 1/2" top off with cement, Then run 1" down 100' in the 9 5/8"
	top of w/ cement. Weld cap on, Kyle with the COGCC stopped by while we were welding cap on. Back fill hole, RDMO Peak well Service
	P&A equip.
	Note: Plan to empty tanks, & clean up location tomorrow.
BHA DATA:	

OPERATION @ 6 AM:

REMARKS: