



Cement Job Summary

Job Number: Lib161102		Job Purpose: 01 Surface	
Customer:	Raydon Exploration Inc		Date: 11/2/2016
Well Name: Rock	Number: 1-23		API/UWI:
County: Seward	City: Kismet, Kansas		State: Kansas
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc:	Rig Name: Quest Drilling#102		
Distance: 20 miles (one way)	Supervisor: Lenny Baeza		

Employees:	Emp. ID:	Employees:	Emp. ID:
James P.		Ramon E.	
Victor G.		Lenny Baeza	

Equipment:	
903-4/501-5	
993-4/841-5	956-4/841-5

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	12 1/4	100%	1390	1,690	TAIL CEMENT	
OPEN HOLE	12 1/4	100%	40	1,390	LEAD CEMENT	
OPEN HOLE	12 1/4	0%	0	40		
OPEN HOLE	12 1/4			0		

Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	20	94	19.124	J-55	0	40
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,688
SHOE	8 5/8	24	8.097	J-55	1,646	1,688

Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	FRESH WATER	10	8.30	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	425	11.81	2.77	16.50	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1198.5	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	212.5	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	376.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	0	104.8231394	8.33	n/a	n/a	

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Distance		20 miles (one way)			Supervisor	Lenny Baeza
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS	
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)		
11/2/2016					On location @3:00pm	
5:30pm					Rigging up to well head	
6:30pm					Safety meeting with companyman/crew	
6:55pm	1400				Pressure testing lines	
6:55pm	250		10	5	10bbls of water ahead	
6:58pm	311		220	5	Mixing 425sk of lead cement @11.8#	
7:33pm	200		262	4	Mixing 200sk of tail cement @15.6#	
7:45pm	0		262	0	Shut down to release plug	
7:46pm	60		262		Started displacement of 104.8bbls	
7:54pm	160		302	5	40bbls gone	
8:02pm	380		342	5	60bbls gone	
8:05pm	515		362	4	80bbls gone	
8:07pm	520		376	3	94bbls gone and slowing down to land plug	
8:10pm	1000		386	0	104.8bbls gone and landed plug @1300psi	
					Release psi and floats holding 1/4bbls back	
					Had 50bbls of cement to surface	
					Rigging down and leaving location @8:30pm	

PRESSURE PUMPING

Job Log

Customer:	Raydon Exploration	Cement Pump No.:	38117, 19919 7Hrs.	Operator TRK No.:	78938
Address:	1601 NW Expressway STE 1300	Ticket #:	1718 13192 L	Bulk TRK No.:	14355, 37724 Santiago
City, State, Zip:	OKC OK 73118	Job Type:	Z42 - Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Rock 1-23	Well Location:	23,33,31	County:	Seward
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	100	2% Calcium Chloride, 1/4# Polyflake	14355, 37724 Santiago	Front	Back
AA2	240	5% W-60, 10% SALT, .6% C-15, 1/4# DEFOAMER, 5# GILSONITE	70897, 37725 Luis	Front	Back
A-Con' Blend	50	Rat and Mouse	14355, 37724	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	295	Man Hours:	11
Tail:	14.8	1.51	6.64	362.4	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
10:30							ON LOCATION / WAIT ON RIG
14:00							SAFETY MEETING
2:30 PM							RIG UP
4:45 PM							RIG UP TO CIRCULATE
5:00 PM							CIRCULATE
17:17							CEMENT RAT & MOUSE W/ 50SX
18:59							PRESSURE TEST TO 3100PSI
7:07 PM	4	11.9				170	(DROP BALL 1300PSI) PUMP MUD FLUSH 500 GALLONS
19:21	7	52.5 slurry				240	PUMP LEAD 100SX @ 11.4#
	7	64.5 slurry				170	PUMP TAIL 240SX @ 14.8#
19:47							SHUTDOWN / W.P. / DROP PLUG
19:56	7	50				130	DISPLACE
	7	60				130	
	7	70				130	
	7	80				130	
	7	90				250	
	6.8	100				450	
	6.9	110				700	
	6.3	120				930	
	6	130				1100	SLOW RATE TO 2.0 B.P.M. @ 960PSI
20:24	2	139.7				1080	LAND PLUG / PRESSURE UP TO 2080PSI
20:25							RELEASE BACK --- LATCH DOWN HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth				TYPE	Plug Container	
Size & Wt. Csg.	5 1/2" 15.5#	Depth	5893'	New / Used		Packer	Depth	
tbg.		Depth				Retainer	Depth	
Top Plugs		Type				Perfs	CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	11/17/2016