

PRESSURE PUMPING

Job Log

Customer:	Raydon Exploration	Cement Pump No.:	38117, 19919 6.5Hrs.	Operator TRK No.:	39878
Address:	1601 NW Expressway STE 1300	Ticket #:	1718 13744 L	Bulk TRK No.:	19827, 19808 Santiago Luis
City, State, Zip:	OKC OK 73118	Job Type:	Z42 - Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Parity 1-27	Well Location:	27,33,31	County:	Seward
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	400	3% Calcium Chloride, 1/4# Polyflake, .2%WCA1	19827, 19808 Santiago	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	33021,14284 Luis	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	1180	Man Hours:	7
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(Psi)		Description of Operation and Materials
			T	C	Tubing	Casing	
2:30							ON LOCATION
2:35							SAFETY MEETING
2:45 AM							RIG UP
3:15 AM							WAIT ON RIG
6:40 AM							RIG UP & CIRCULATE
7:14							RIG TO P.T.
7:15							PRESSURE TEST TO 2200PSI
7:23 AM	5.6	210.1 slurry				170	PUMP 400SX LEAD @ 11.4#
8:06	5.8	35.7 slurry				180	PUMP 150SX TAIL @ 14.8#
8:16							SHUTDOWN / DROP PLUG
8:18	5.7	10				80	DISPLACE
	5.7	20				80	
	5.6	30				110	
	5.7	40				150	
	5.7	50				180	
	5.6	60				230	
	5.7	70				310	
	5.5	80				370	
	5.4	90				450	
8:40	5.4	93				450	SLOW RATE TO 2.4 @ 400
8:45	2.4	103.6				410	LAND PLUG PRESSURE UP TO 1030PSI
8:46							RELEASE BACK --- FLOAT HELD
							JOB COMPLETE

Size Hole	12 1/4"	Depth			TYPE	PLUG CONTAINER		
Size & Wt. Csg.	8 5/8" 24#	Depth	1672'	New / Used	Packer		Depth	
tbq.		Depth			Retainer		Depth	
Top Plugs		Type			Perfs		CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	10/3/2016



Cement Job Summary

Job Number: LIB1610200345		Job Purpose: 03 Plug	
Customer:	Raydon Exploration Inc		Date: 10/20/2016
Well Name: Parity	Number: 1-27		API/UWI:
County: Seward	City:		State: Kansas
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc: SEC 27-33-31	Rig Name: QUEST 102		
Distance: 30 miles (one way)	Supervisor: Aldo Espinosa		

Employees:	Employees:	Emp. ID:
ALDO ESPINOZA		
GERARDO BURCIAGA		
JOSE CALDERON		

Equipment:		
984-		
903-501		
870-4-744-5		

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	12 1/4	100%	1390	1,650	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		
OPEN HOLE	7 7/8		1650	1,700		
OPEN HOLE	7 7/8			1,650		
OPEN HOLE	7 7/8					
OPEN HOLE	7 7/8					

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	1,668
SHOE	8 5/8	24	8.097	J-55	1,626	1,668
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,668
TUBING/DRILL PIPE	4 1/2	16.6	3.826	J-55	0	1,715

Squeeze Information			
Description:	# of Perfs	Perf/Leak Depth	Packer/Retainer Depth
Leak	0		1715
Perfs			1715

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 40/60/4 POZ BLEND - CLASS A	200	13.84	1.41	6.80
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	102.4031641	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 4	Displacement	24.17229612	0.00	n/a	n/a