



TREATMENT NUMBER JM2013021	DATE 7/18/2013
STAGE 3	JOB TYPE P&A

WELL NAME AND NO. Lobo 13-4	LOCATION (LEGAL) NWSW Sec 4 T33S R66W	RIG NAME: ECWS	CEMENT PUMPER: 23005
FIELD Raton	FORMATION	WELL DATA	BOTTOM
COUNTY Las Animas	STATE Colorado	API NO. 05-071-09018	FT TOP FT

RIG FORMAN Jeremy Sanchez	WELL DATA	BOTTOM	FT TOP FT
CEMENT SUPER Jose Madrid	BIT SIZE	CSG/Liner Size	
	TOTAL DEPTH	WEIGHT	
	MUD TYPE	FOOTAGE	
	<input type="checkbox"/> BHST	GRADE	
	<input type="checkbox"/> BHCT	THREAD	
	MUD DENSITY	LESS FOOTAGE (SHOE JOINTS)	TOTAL:
	MUD VISC	Disp. Capacity	0

SPECIAL INSTRUCTIONS Crew Don W. Mike K Set 2 Bottom Plugs and Top Plug to Surface		Include Footage From Ground Level To Head In Disp. Capacity
Head & Plugs	<input checked="" type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double Box 6	WEIGHT	TOOL TYPE DEPTH
<input type="checkbox"/> Single	GRADE	TAIL PIPE: 2 7/8 SIZE DEPTH 1857
<input type="checkbox"/> Swage	THREADS	TUBING VOLUME 10.5 BBLs
<input type="checkbox"/> Knockout	<input type="checkbox"/> New <input type="checkbox"/> Used	CSG VOL BELOW TOOL BBLs
	DEPTH 1857	TOTAL BBLs
		ANNULAR VOLUME 28 BBLs

LIFT PRESSURE	60	psi	NO. of Centralizers	WATER QUALITY:	7	pH	SG	TEMP
PRESSURE LIMIT	250	psi	BUMP PLUG TO	ARRIVE ON LOCATION	TIME: 7:30	DATE: 7/18/2013	RIG UP	LEFT LOCATION
			TIME: 9:00	DATE: 7/18/2013	TIME: 7:30	DATE: 7/18/2013	TIME: 13:30	DATE: 7/18/2013

TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR		ARRIVE ON LOCATION		RIG UP		LEFT LOCATION	
0001 to 2400	TBG CSG	INCR CUM	TIME: 9:00	DATE: 7/18/2013	TIME: 7:30	DATE: 7/16/2013	TIME: 7:30	DATE: 7/18/2013	TIME: 13:30	DATE: 7/18/2013
			RATE	FLUID TYPE	DENSITY					
8:00										ARRIVE ON LOCATION
8:05										Rig up Pumps and lines
8:25										Held Safety Meeting
9:40	20	38.5	2	H2O	8.3					Load Tubing and Hole
9:55	55	4.6	43.1	2	CMT	15.8				at 1855ft Pumped 4.6bbls (22.5 sk) @ 15.8 ppg
9:59	57	9	52.1	2	H2O	8.3				Displace With 9 bbls H2O
10:02										Shut Down Rig To Pull up to 972'
11:20	30	5.5	57.6	2	H2O	8.3				Establish Circulation 5.5bbls H2O
11:24	15	4.6	62.2	0.5	CMT	15.8				at 970 ft Pumped 4.6bbls (22.5 sk) @ 15.8ppg
11:36	10	4	66.2	0.5	H2O	8.3				Displace With 4 bbls H2O
11:42										Shut Down Rig To Pull up to 92'
12:11	20	2	68.2	2	H2O	8.3				Establish Circulation 2bbls H2O
12:13	20	2.5	70.7	2	CMT	15.8				at 92 ft Pumped Cement to Surface 2.5bbls (12.5 sacks) 15.8 ppg
12:15										Rig to POOH
12:25	20	1	71.7	1	CMT	15.8				Top Off Casing 1bbls (5sacks) 15.8ppg
12:29		30	101.7		H2O	8.3				Wash Up Pumps And Lines
13:00										Rig Down
13:30										Left Location

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
			Class G				BBLs	DENSITY
Class G	62.5	1.15	Class G				12.7	15.8

CIRCULATION	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN	PSI	FINAL	20	PSI
DISPLACEMENT VOL.	10.5	BBLs	RETURNED TO SURFACE	BEFORE PLUG BUMP	PSI	RATE		BPM
			yes	PRESSURE				