

## CEMENTING TREATMENT REPORT



TREATMENT NUMBER	FG2014013	DATE	4/16/2014
STAGE	1	JOB TYPE	Surface

WELL NAME AND NO.	San Pablo 11-J WDW	LOCATION (LEGAL)	NW/NE Sec 4-T11S-R67W	RIG NAME	Pennco #11	CEMENT PUMPER	2MM
FIELD	Raton	FORMATION	RATON	WELL DATA			
COUNTY	LAS ANIMAS	STATE	COLORADO	API NO.	06-07149916		
RIG FORMAN	Tom beads Lee						
CEMENT SUPER	Frank L. Gonzales						
	Mike Vocellio						

## SPECIAL INSTRUCTIONS

Personnel: Jose Madrid, Ronald Trujillo, J.R. Ortiz, Don Wilson, Bruce Green

Engineer: Greg Wright

E-Tool: Robert Ashe, Mechanic: Eric Wheeler

LIFT PRESSURE: 241

PRESSURE LIMIT: 1000

NO. of Centralizers	13	CEMENT TEMPERATURE:		WATER QUALITY:		pH	6	PPM	0	TEMP	75
ARRIVE ON LOCATION	TIME: 9:45	DATE: 4/16/2014	RIG UP	TIME: 12:30	DATE: 4/16/2014	LEFT LOCATION	TIME: 17:00	DATE: 4/16/2014			

TIME (HH:MM)	PRESSURE (PSI)	CSG	VOLUME PUMPED (BBL)	INCR	CUM	RATE	FLUID TYPE	DENSITY	REMARKS
12:30									Safety meeting
13:47	1600	1			0.5	H2O	8.3		Pressure Test
13:57	97	115	116	5		H2O	8.3		Water Ahead
14:16	103	164	280	4		CMT	15		Pump Cement @ 15 PPG - ( 761 Sks.)
14:39	129			4		CMT	15		75 Bbls. Away (Circulated H2O @ 78 bbls away)
15:01	70			3		CMT	15		150 Bbls. Away
15:13	103	100	380	5		H2O	8.3		Pump Displacement
15:20	172			5		H2O	8.3		1st. Call Out (30 bbls away)
15:27	174			5		H2O	8.3		2nd. Call Out (60 bbls away)
15:31	190			2		H2O	8.3		3rd. Call Out ( Circulated Cement @70 bbls away. 30 bbls CMT to Pit)
15:43	200			2		H2O	8.3		4th Call Out (90 bbls away)
15:48	286			2		H2O	8.3		Final Lift
15:53	184								Shut In
16:20									RIG DOWN

System Used	No. of Sacks	Yield ft <sup>3</sup> /sk	COMPOSITION OF SYSTEM	SLURRY MIXED
Surf. Set	761	1.21	Class G. Pozz., P20.S1, P29, P46	BBLS DENSITY
				164 15

CIRCLATHIN	Yes	WASHED CANNING DOWN	No	BREAKDOWN	PSI	FINAL	286	PSI
DISPLACEMENT VOL.	100	BBLS	30 bbls to pit	PREPRESSURE	PSI	RATE	2 B/PM	