

CEMENTING TREATMENT REPORT



TREATMENT NUMBER FG2012017	DATE 11/7/2012
STAGE 1	JOB TYPE P&A

WELL NAME AND NO. Modavi 31-16	LOCATION (LEGAL) NW/NE 16-T34S-R65W	RIG NAME:	CEMENT PUMPER: 23004
FIELD Raton / Long Canyon	FORMATION RATON	WELL DATA	BOTTOM
COUNTY LAS ANIMAS	STATE COLORADO	API NO. 05-071-09833	FT TOP FT

RIG FORMAN Eddie Morris	WELL DATA	CSG/Liner Size 5 1/2	WEIGHT 17	FOOTAGE 1522	GRADE J-55	THREAD LT&C	SHOE JOINT(S)	DISP. CAPACITY	TOTAL: 0												
CEMENT SUPER Frank L. Gonzales	MUD TYPE	MUD DENSITY	MUD VISC	Include Footage From Ground Level To Head In Disp. Capacity																	
Jose Madrid	<table border="1"> <tr> <td>TYPE</td> <td>DEPTH</td> <td>TYPE</td> <td>DEPTH</td> </tr> <tr> <td>TYPE</td> <td>DEPTH</td> <td>TYPE</td> <td>DEPTH</td> </tr> <tr> <td>TYPE</td> <td>DEPTH</td> <td>TYPE</td> <td>DEPTH</td> </tr> </table>									TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH
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SPECIAL INSTRUCTIONS	Head & Plugs	<input checked="" type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB	
	SIZE	2 7/8	TOOL	TYPE	DEPTH
	WEIGHT	6.4	TAIL PIPE:	SIZE	DEPTH
	GRADE	J-55	TUBING VOLUME	BBLs	
	THREADS	EUE	CSG VOL BELOW TOOL	BBLs	
	<input type="checkbox"/> New <input checked="" type="checkbox"/> Used	DEPTH	1075	TOTAL	BBLs
	CEMENT TEMPERATURE:	WATER QUALITY:	pH	SG	TEMP

Personnel - Mike Vecellio, Barry Clemmenson, Roberto Romero, Ronald Trujillo, Gary Hessling	<input type="checkbox"/> Double Box 6	<input type="checkbox"/> Single	<input type="checkbox"/> Swage	<input type="checkbox"/> Knockout
LIFT PRESSURE	psi	psi	BUMP PLUG TO	N/A
PRESSURE LIMIT	1000	psi	NO. of Centralizers	N/A

TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION
0001 to 2400	TBG CSG	INCR CUM	TIME: 13:00 DATE: 11/6/2012	TIME: 13:30 DATE: 11/6/2012	TIME: 13:40 DATE: 11/6/2012	TIME: 10:30 DATE: 11/7/2012
			RATE FLUID TYPE DENSITY			

13:40							Safety meeting
13:45	30	2	2	2	H2O	8.3	Load Hole
13:47	1000	1	3	2	H2O	8.3	Pressure Test
14:10	90	20	23	2	H2O	8.3	Clear Tubing
14:11	30	8	31	2	Cmt.	15.8	Pump Cement @ 15.8 PPG 40 sks.
14:16	30	18.8	49.8	2	H2O	8.3	Pump Displacement
14:30	40	40	89.8	4	H2O	8.3	Wash Up Pump and Lines
							WOC over night
7:30							Safety Meeting
7:40	80	26	26	2	H2O	8.3	Load Tubing
7:55	1000	1	27	2	H2O	8.3	Pressure Test
8:00	20	1	28	1	H2O	8.3	Clear Tubing
8:02	100	5	33	2	Cmt.	15.8	Pump Cement @ 15.8 PPG 24 sks.
8:06	135	18.5	51.5	2	H2O	8.3	Pump Displacement
8:17	0			2	H2O		Pull Coil to surface
8:26	25	1	52.5	2	H2O	8.3	Pump acid @ 7.5 %
8:28	145	25	77.5	3	H2O	8.3	Pump Displacement
9:25	0	1	78.5	0.3	Cmt.	15.8	Top Off 5 Sks.
9:30	40	40	118.5	4	H2O	8.3	Wash up Pump And Lines

System Used	No. of Sacks	Yield ft <sup>3</sup> /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
Class G	70	1.15	70 Sacks Class G Cement				BBLs	DENSITY
			16.5 lbs Dispersant				14	15.8
			21 gal 7.5% Acid - Used to clean out coil					
			.06 gal Corrosion Inhibitor - Used to clean out coil					

CIRCULATION	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN	20 PSI	FINAL	145	PSI
DISPLACEMENT VOL.	25	BBLs	RETURNED TO SURFACE	N/A	BEFORE PLUG BUMP	PRESSURE	N/A	PSI
						RATE	2	BPM