

APACHE

CRAIG MAXWELL

Treater: DAVID JUAREZ

8/28/2012

Well: 3

Field: APACHE STATE SWD
EDDY, NM

API # 30-015-38978

RECEIVED

AUG 26 2013

NMOC ARTESIA

 **Rolligon**



Treatment Report

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Customer:	APACHE	Ticket #	64240
Well Name & No.:	APACHE STATE SWD #3	AFE#	PA-11-0134-C
County:	EDDY	Date:	August 28, 2012
State:	NM	Well type:	Oil / New / Stim.

Customer Information	
Address:	0.00
City, State:	0.00
Zip Code:	0
Customer Representative:	CRAIG MAXWELL



Remarks

Arrive on Location: 10:30 AM
 Depart Location: 1:00 PM
 Total Hours: 2.50

	Depth	O.D.	Weight	I.D.		Volume	Bbls/linear ft.
Tubing 1 length ft.	N/A	2 7/8	0	0.000		0.00 BBLs.	0.00000
Tubing 2 length ft.						0.00 BBLs.	0.00000
Casing 1 length ft.	N/A	5 1/2	0.00	0.000		##### BBLs.	0.00000
Casing 2 length ft.						0.00 BBLs.	0.00000
Open Hole length ft.		N/A	N/A			0.00 BBLs.	0.00000
Combined Depth ft.	#VALUE!				Annular Vol.	BBLs.	-0.00803

Top Perf/Open Hole:	Depth	Vol.	Maximum Pressure:	2075	ISIP:	748
Bottom Perf/Open Hole:	N/A	#VALUE!	Average Pressure:	1112	5 min:	261.5 AC
Number of Perfs:	N/A		Maximum Rate:	10.0	10 min:	1/4 C
Perf Size:	0.31	in.	Average Rate:	6.5	15 min:	
Packer Depth:	N/A	ft.	Fluid to Recover:	274	Proppant Total:	

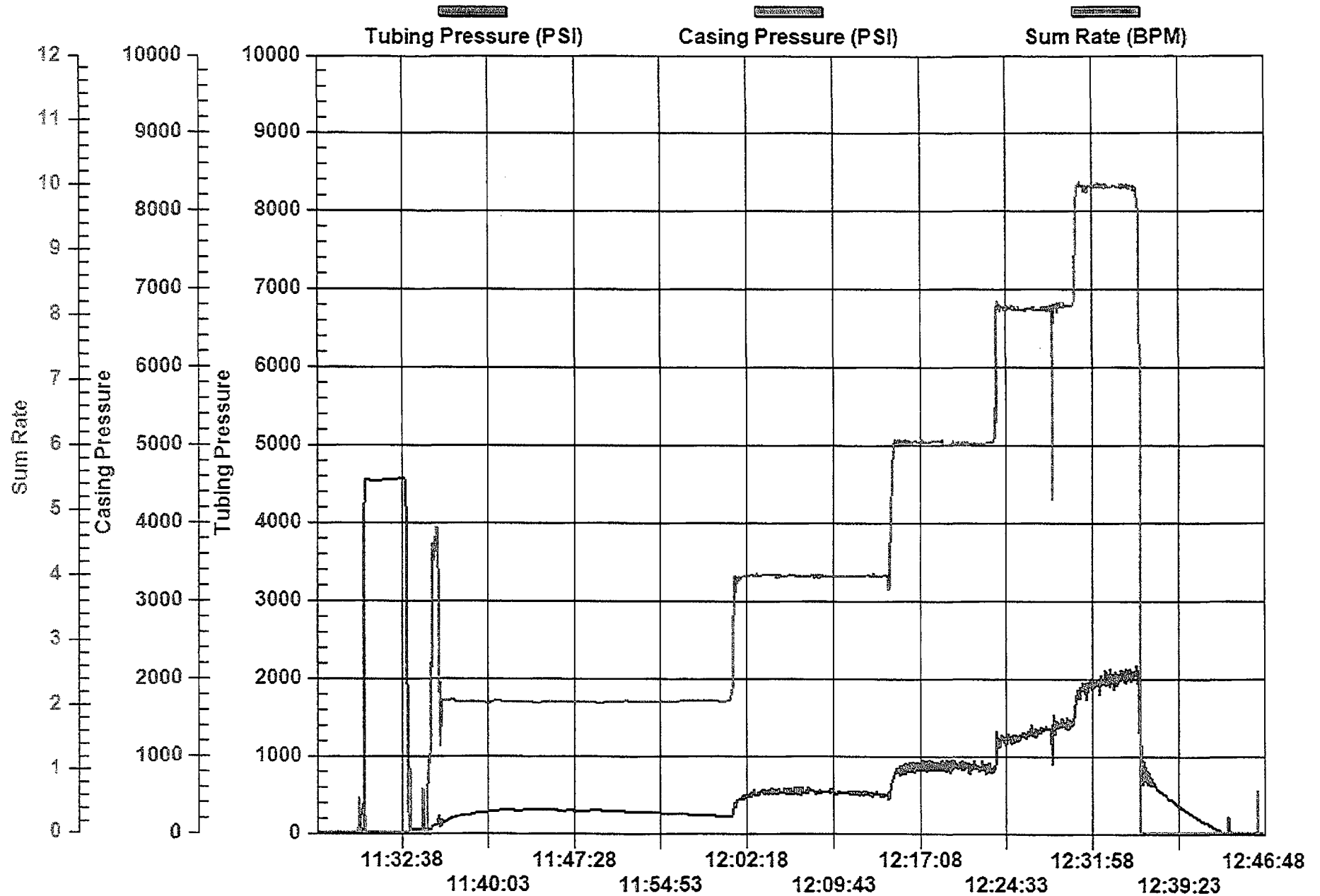
Time	STP	Casing	Rate	Stage	Total	Comments
6:00:13 AM	0					SAFETY MEETING
11:31:25 AM	4578	0.0	0.0		0.2	PRESSURE TESTED LINES
11:37:29 AM	91	0.0	4.4		1.5	START WATER
11:38:22 AM	163	0.0	2.1		4.2	LOADED 2BPM
11:53:18 AM	275	0.0	2.0		35.0	PSI & RATE CHECK
11:58:15 AM	248	0.0	2.1		45.0	PSI & RATE CHECK
12:02:51 PM	212	0.0	2.1		54.7	PSI & RATE CHECK
12:04:05 PM	477	0.0	4.0		57.0	4 BPM
12:07:17 PM	552	0.0	4.0		71.4	PSI & RATE CHECK
12:08:22 PM	563	0.0	4.0		76.0	PSI & RATE CHECK
12:11:32 PM	542	0.0	4.0		88.1	PSI & RATE CHECK
12:16:21 PM	485	0.0	4.0		107.5	PSI & RATE CHECK
12:17:11 PM	822	0.0	6.0		111.5	6 BPM
12:18:52 PM	815	0.0	6.0		123.0	PSI & RATE CHECK
12:20:31 PM	819	0.0	6.1		132.0	PSI & RATE CHECK
12:23:46 PM	870	0.0	6.1		152.0	PSI & RATE CHECK
12:25:27 PM	807	0.0	6.1		161.0	PSI & RATE CHECK
12:26:06 PM	1198	0.0	8.1		166.0	8 BPM
12:27:22 PM	1268	0.0	8.1		176.6	PSI & RATE CHECK
12:28:48 PM	1314	0.0	8.1		188.0	PSI & RATE CHECK
12:31:08 PM	1412	0.0	8.1		207.0	PSI & RATE CHECK
12:32:12 PM	1445	0.0	8.1		217.0	PSI & RATE CHECK
12:32:58 PM	1839	0.0	10.0		221.5	10 BPM
12:33:40 PM	1889	0.0	10.0		228.0	PSI & RATE CHECK
12:34:20 PM	1969	0.0	10.0		236.0	PSI & RATE CHECK
12:34:40 PM	1979	0.0	10.0		240.0	PSI & RATE CHECK
12:35:19 PM	1932	0.0	10.0		246.0	PSI & RATE CHECK
12:36:09 PM	2021	0.0	10.0		254.0	PSI & RATE CHECK
12:37:06 PM	2075	0.0	10.0		263.0	PSI & RATE CHECK
12:37:51 PM	2053	0.0	0.0		274.0	SHUTDOWN
12:42:18 PM	261	0.0	0.0		274.0	5 MIN.

(continued)

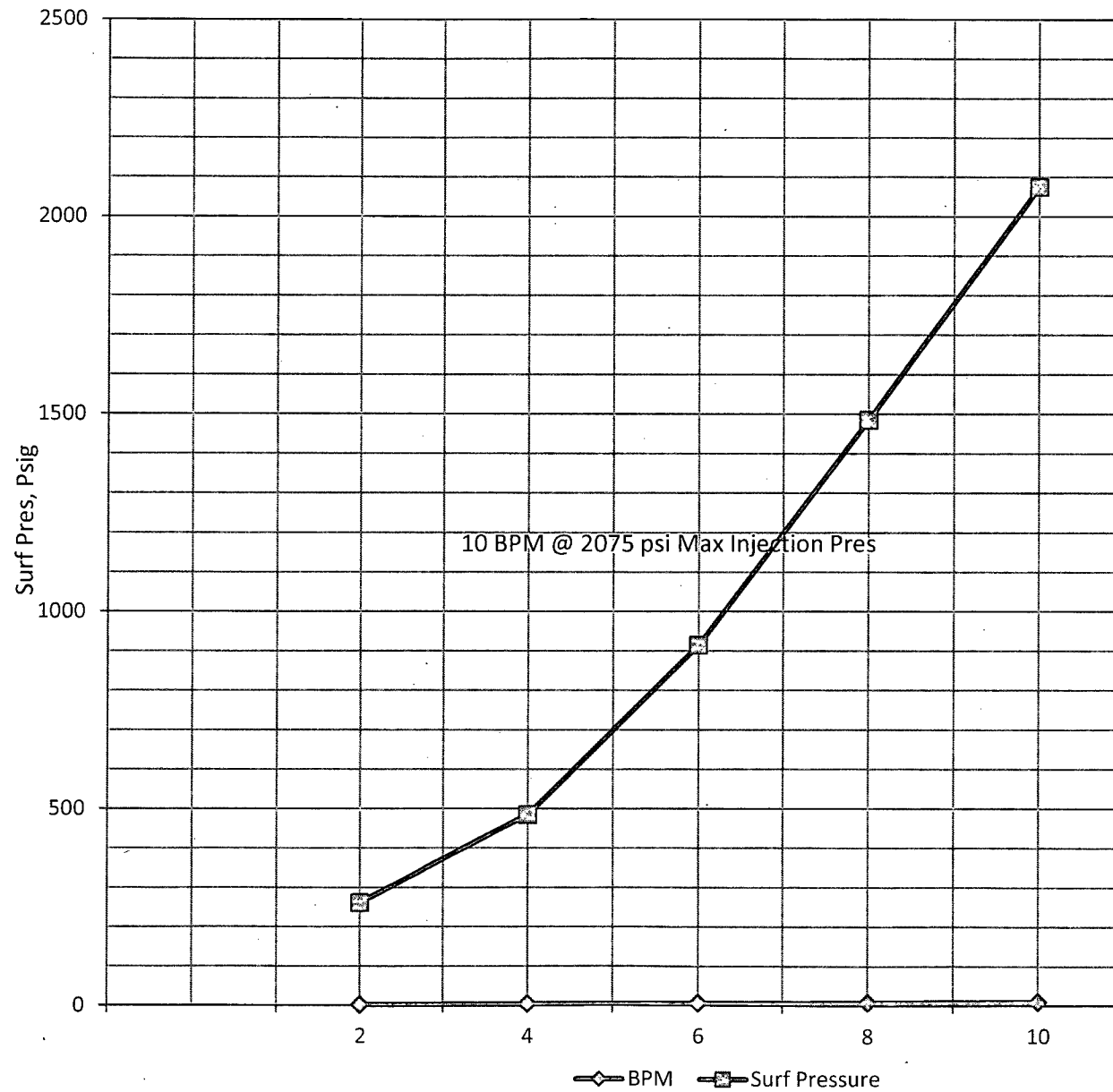
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APACHE-APACHE-STATE-3--8-28-12



Apache State SWD #3 - Step-Rate Injectivity - Surface Pressure (4 1/2" Tubing)



261 Psig	2,880 Bpd
485 Psig	5,760 Bpd
915 Psig	8,640 Bpd
1485 Psig	11,520 Bpd
2075 Psig	14,440 Bpd