

Step Rate Injection Test Report

for

Chevron / Texaco

NVAWU #15

0

Sec.27 - T17S - R34E

03-05-02

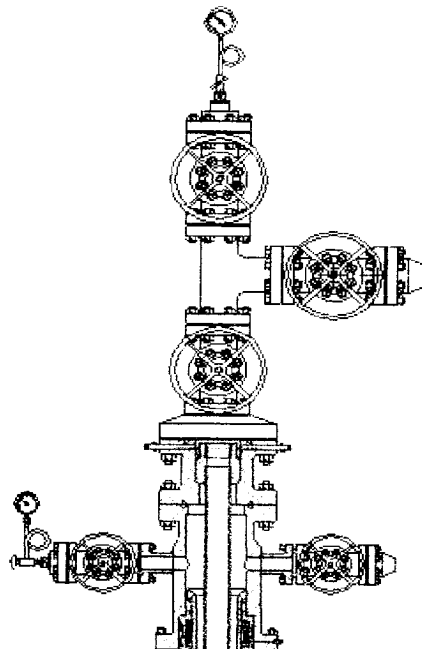
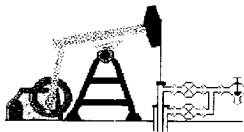
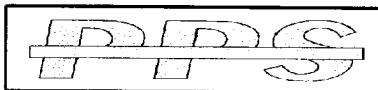


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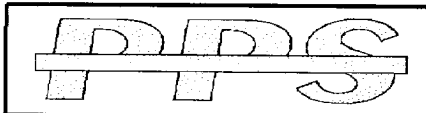
SECTION I	CONTENTS
SECTION II	SEQUENCE OF EVENTS
SECTION III	DATA REPORT
SECTION IV	CHART



COMPANY : Chevron / Texaco
WELL: NVAWU #15
COMPANY REP: Britton McQuien
PERFORATIONS: N/A

SERVICE DATES : 03-05-02
TEST TYPE : Step Rate
PPS TECHNICIANS : Joe Brown

DATE	TIME	REMARKS
3/5/02	10:18	Open up well with 32# at surface. Start pumping at 700 Bbls/day.
03/05/02	11:15	Rate #1.
03/05/02	11:20	
03/05/02	11:25	
03/05/02	11:30	Rate #2.
03/05/02	11:35	
03/05/02	11:40	
03/05/02	11:45	Rate #3.
03/05/02	11:50	
03/05/02	11:55	
03/05/02	12:00	Rate #4.
03/05/02	12:05	
03/05/02	12:10	
03/05/02	12:15	Rate #5.
03/05/02	12:20	
03/05/02	12:25	
03/05/02	12:30	Rate #6.
03/05/02	12:35	
03/05/02	12:40	
03/05/02	12:45	Start Fall off. Truck could not increase rate.
03/05/02	12:46	
03/05/02	12:47	
03/05/02	12:48	
03/05/02	12:49	
03/05/02	12:50	
03/05/02	12:55	
03/05/02	13:00	End Test.



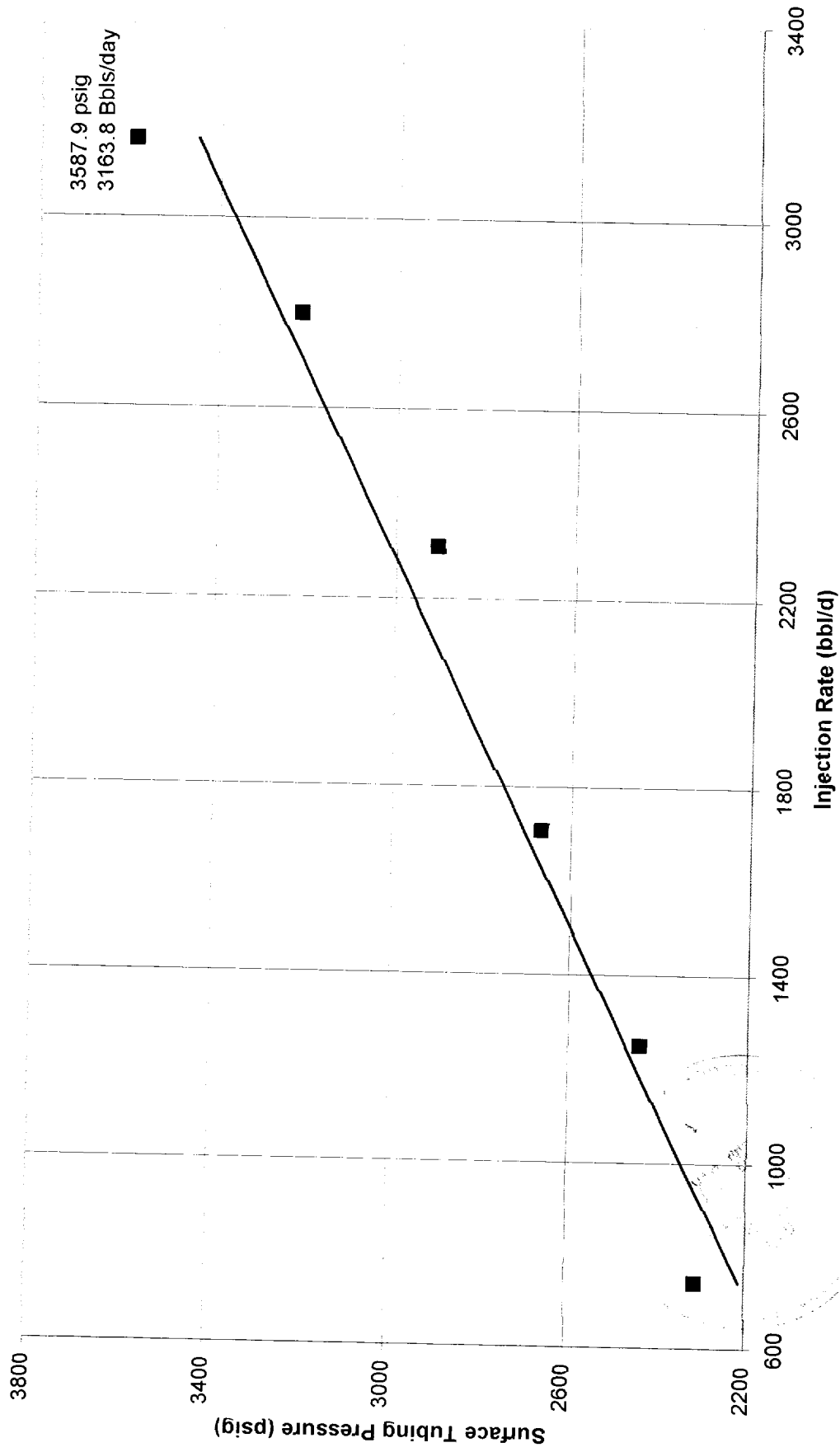
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 WELL: NVAWU #15
 COMPANY REP: Britton McQuien
 PERFORATIONS: N/A

SERVICE DATES : 03-05-02
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 PPS TECHNICIANS : Joe Brown

STEP NO.	TIME	SURFACE TUBING PRESS. (psig)	CUMULATIVE VOL INJECTED (bbls)	INJECTION RATE (bbls/day)	INJECTION RATE (gpm) (57.24, 2887)	MEASURED BHP (psi)
	11:15	2303.1				
	11:20	2271.5	2.5	714.0	20.82	
	11:25	2294.8	5.0	718.8	20.97	
1	11:30	2309.1	7.5	741.1	21.61	
	11:35	2446.6	11.7	1182.9	34.50	
	11:40	2424.6	16.1	1288.0	37.57	
2	11:45	2439.2	20.6	1287.8	37.56	
	11:50	2650.4	26.4	1684.3	49.13	
	11:55	2637.6	32.4	1718.0	50.11	
3	12:00	2666.3	38.4	1719.3	50.15	
	12:05	2845.1	46.0	2184.6	63.72	
	12:10	2936.8	54.2	2359.1	68.81	
4	12:15	2905.1	62.4	2386.6	69.61	
	12:20	3139.6	72.1	2776.4	80.98	
	12:25	3196.1	81.9	2817.3	82.17	
5	12:30	3214.6	91.6	2813.7	82.07	
	12:35	3465.5	102.2	3050.5	88.97	
	12:40	3521.3	113.4	3210.5	93.64	
Falloff	12:45	3587.9	124.6	3230.3	94.22	
	12:46	2071.8				
	12:47	2792.8				
	12:48	2772.4				
	12:49	2752.1				
	12:50	2734.6				
	12:55	2672.2				
	13:00	2629.5				

Pacific Process Systems, Inc.

Step Rate Injection Test



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