



Texaco Exploration and Production Inc
Permian Basin Business Unit
Hobbs Operating Unit

P. O. Box 3109
Midland TX 79702-3019
505 688 4100

October 19, 2001

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
Attention: Mr. David R. Catanach

RE: **Request for Increase in Surface Injection Pressure Limits**

Texaco Exploration and Production Inc
Central Vacuum Unit Well No. 14; Sec. 30, T17S, R35E; R-5530; API # 3002525811
Central Vacuum Unit Well No. 294; Sec. 6, T18S, R35E; R-5530; API # 3002535398
Lea County, New Mexico

Dear Mr. Catanach,

Texaco requests permission to increase surface injection pressure limits in these two wells. Step rate tests were performed on the wells on September 21 and October 1, 2001 respectively. Mr. Gary Wink of the District 1 office was notified about these tests by phone.

Well 14 injected water during the test up to a final surface pressure of 2727 PSIG. Our most conservative interpretation is that a straight line was established and a break in that line was observed at 1628 PSI. For this well we request a surface injection pressure limit of 1628 PSIG for water injection.

Well 294 injected water during the test up to a final surface pressure of 1839 PSIG. Our interpretation is that a radial flow straight line was established after early points were affected by wellbore storage and no fracturing was seen during the test. For this well we request limits of 1500 PSI for water and 1850 PSI for CO2 injection, which is the maximum we have requested for CO2 injectors.

Thank you for your consideration. Please call me at 915-688-4577 if you have questions or concerns.

Yours truly,

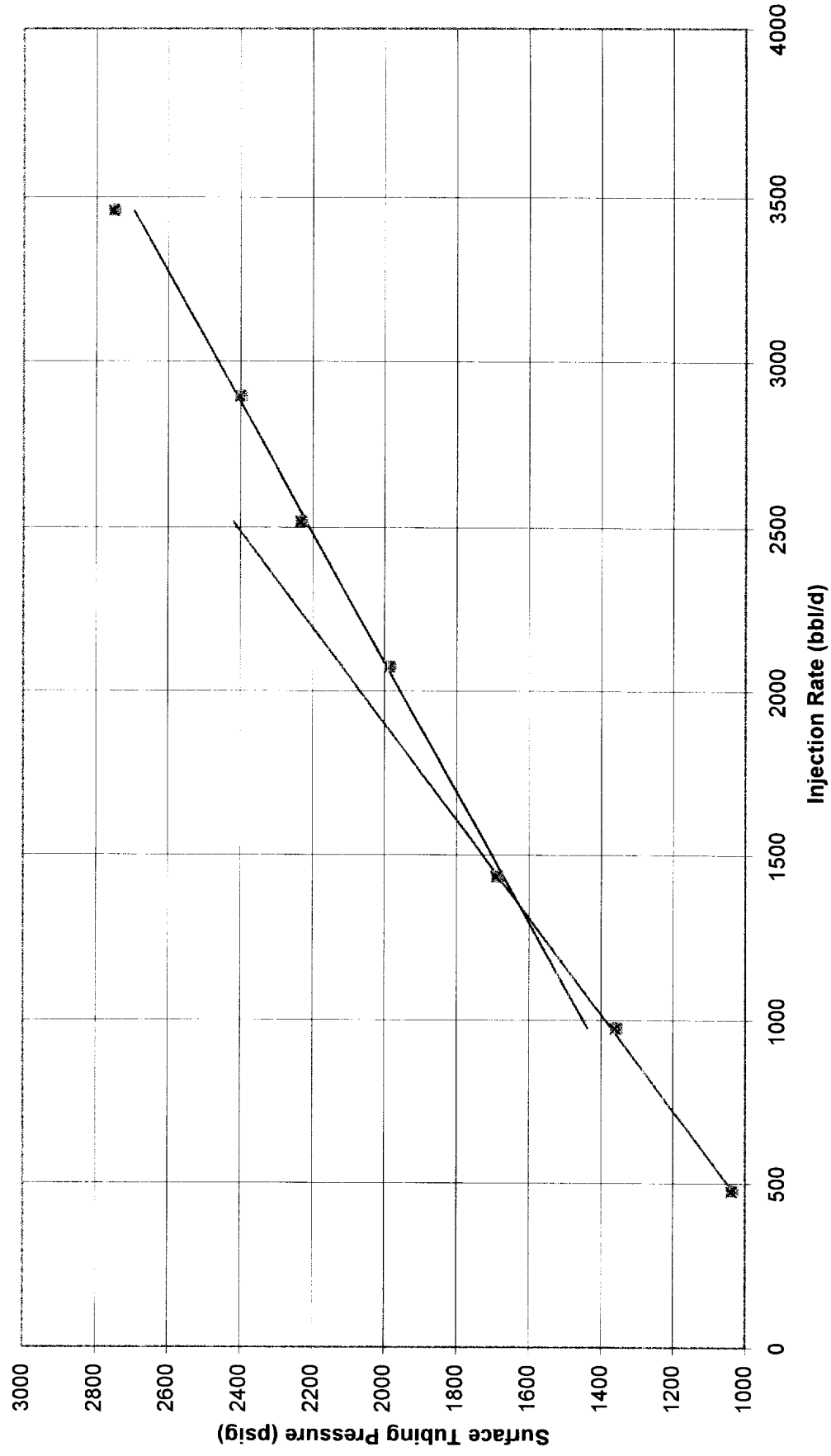
Stephen Guillot
Production Engineer

Attachments

Cc: ~~Mr. Chris Williams~~
Hobbs NMOCD

Pacific Process Systems, Inc.

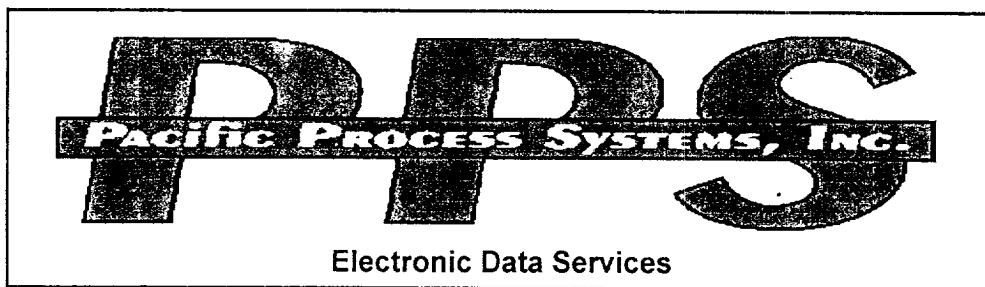
Step Rate Injection Test - CVU 14



Intersection calculated @ 1628 psi

First Regression = points 1-3

Second regression = points 4-6



Step Rate Injection Test Report

for

Texaco E&P

CVU 14

9/21/01

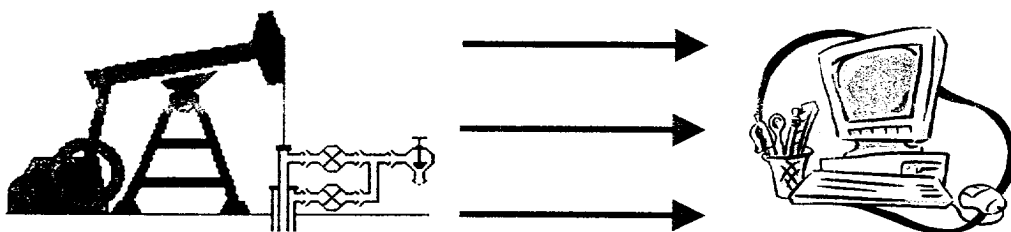
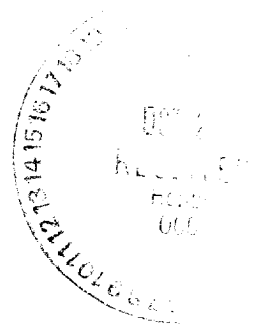


TABLE OF CONTENTS

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





COMPANY : Texaco E&P
 WELL: CVU 14
 COMPANY REP: Steve Guillot
 PERFORATIONS: N/A

SERVICE DATES : 9/21/01
 TEST TYPE : Step Rate Injection
 PPS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH: N/A

DATE	TIME	REMARKS
09/21/01	9:30	Start Pumping @ 500 BPD
09/21/01	9:35	
09/21/01	9:40	
09/21/01	9:45	Increase to 1000 BPD
09/21/01	9:50	
09/21/01	9:55	
09/21/01	10:00	Increase to 1500 BPD
09/21/01	10:05	
09/21/01	10:10	
09/21/01	10:15	Increase to 2000 BPD
09/21/01	10:20	
09/21/01	10:25	
09/21/01	10:30	Increase to 2500 BPD
09/21/01	10:35	
09/21/01	10:40	
09/21/01	10:45	Increase to 3000 BPD
09/21/01	10:50	
09/21/01	10:55	
09/21/01	11:00	Increase to 3500 BPD
09/21/01	11:05	
09/21/01	11:10	
09/21/01	11:15	Increase to 4000 BPD
09/21/01	11:20	
09/21/01	11:25	
09/21/01	11:30	Cease pumping, start falloff
09/21/01	11:31	
09/21/01	11:32	
09/21/01	11:33	
09/21/01	11:34	
09/21/01	11:35	
09/21/01	11:40	
09/21/01	11:45	End of test



COMPANY : Texaco E&P
 WELL: CVU 14
 COMPANY REP: Steve Guillot
 PERFORATIONS: N/A

SERVICE DATES : 9/21/01
 TEST TYPE : Step Rate Injection
 PPS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH: N/A

TIME	SURFACE PRESSURE (PSI)	CUMULATIVE VOLUME INJECTED (BOE)	INJECTION RATE (BOE/DAY)	INJECTION PRESSURE (PSI)	MEASURED BHP (PSI)
9:30	953.9				
9:35	979.7	1.7	487.6	14.22	
9:40	1009.1	3.4	489.7	14.28	
1	9:45	5.0	477.1	13.91	
	9:50	8.4	959.8	27.99	
	9:55	11.8	989.1	28.85	
2	10:00	15.2	974.4	28.42	
	10:05	20.3	1475.8	43.05	
	10:10	25.5	1500.1	43.75	
3	10:15	30.5	1435.9	41.88	
	10:20	37.2	1923.6	56.10	
	10:25	43.8	1895.2	55.28	
4	10:30	51.0	2074.0	60.49	
	10:35	59.5	2455.2	71.61	
	10:40	67.9	2420.1	70.59	
5	10:45	76.7	2518.3	73.45	
	10:50	86.6	2868.0	83.65	
	10:55	96.8	2937.0	85.66	
6	11:00	106.9	2894.4	84.42	
	11:05	118.4	3325.5	96.99	
	11:10	129.9	3322.2	96.90	
7	11:15	142.0	3460.7	100.94	
	11:20	155.5	3895.7	113.62	
	11:25	168.8	3845.2	112.15	
8	11:30	182.2	3857.0	112.50	
FALLOFF	11:31				
	11:32				
	11:33				
	11:34				
	11:35				
	11:40				
	11:45				

Pacific PROCESS SYSTEMS, INC.

TEXACO BUCKEYE CVU 14

Step Rate Injection Test

