

Step Rate Injection Test Report

for

Chevron / Texaco

NVAWU #5

0

Sec.22 - T17S - R34E

03-06-02

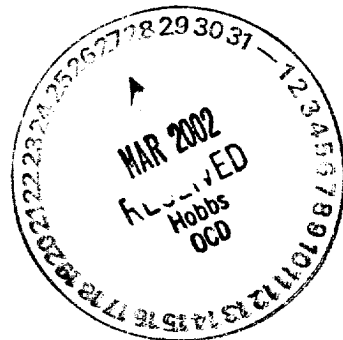
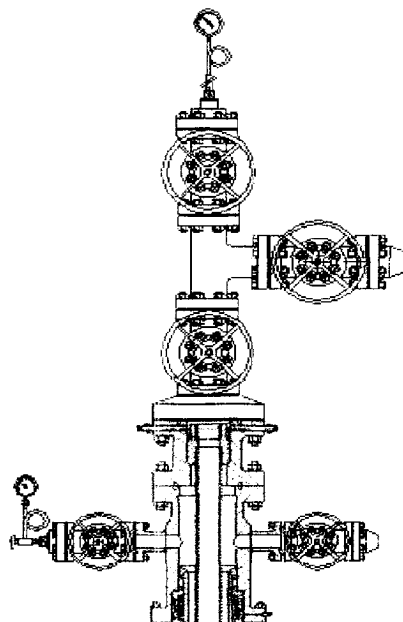
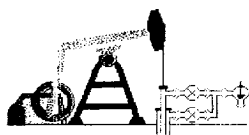
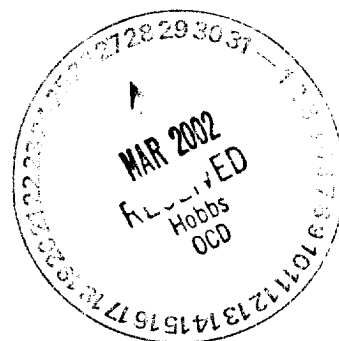
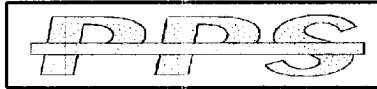


TABLE OF CONTENTS

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



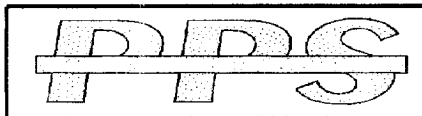


COMPANY : Chevron / Texaco
WELL : NVAWU #5
COMPANY REP: Britton McQuien
PERFORATIONS: N/A

SERVICE DATES : 03-06-02
TEST TYPE : Step Rate
PPS TECHNICIANS : Joe Brown

DATE	TIME	REMARKS
03/06/02	10:30	Open up well with 1175 surface pressure. Start pumping at 40 Bbls/day.
03/06/02	10:35	
03/06/02	10:40	
03/06/02	10:45	Start test. Rate #1.
03/06/02	10:50	
03/06/02	10:55	
03/06/02	11:00	Rate #2.
03/06/02	11:05	
03/06/02	11:10	
03/06/02	11:15	Rate #3.
03/06/02	11:20	
03/06/02	11:25	
03/06/02	11:30	Rate #4.
03/06/02	11:35	
03/06/02	11:40	
03/06/02	11:45	Rate #5.
03/06/02	11:50	
03/06/02	11:55	
03/06/02	12:00	Rate #6.
03/06/02	12:05	
03/06/02	12:10	
03/06/02	12:15	Rate #7.
03/06/02	12:20	
03/06/02	12:25	
03/06/02	12:30	Start Fall off.
03/06/02	12:31	

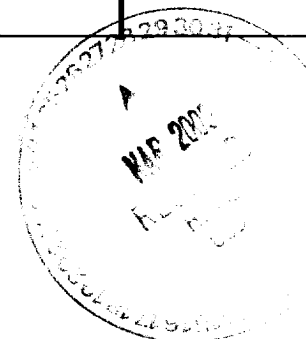




COMPANY : Chevron / Texaco
WELL: NVAWU #5
COMPANY REP: Britton McQuien
PERFORATIONS: N/A

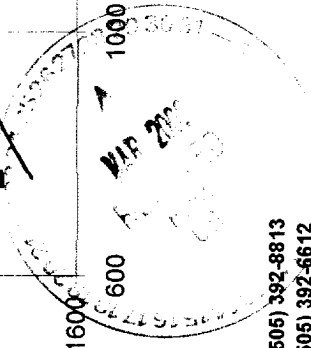
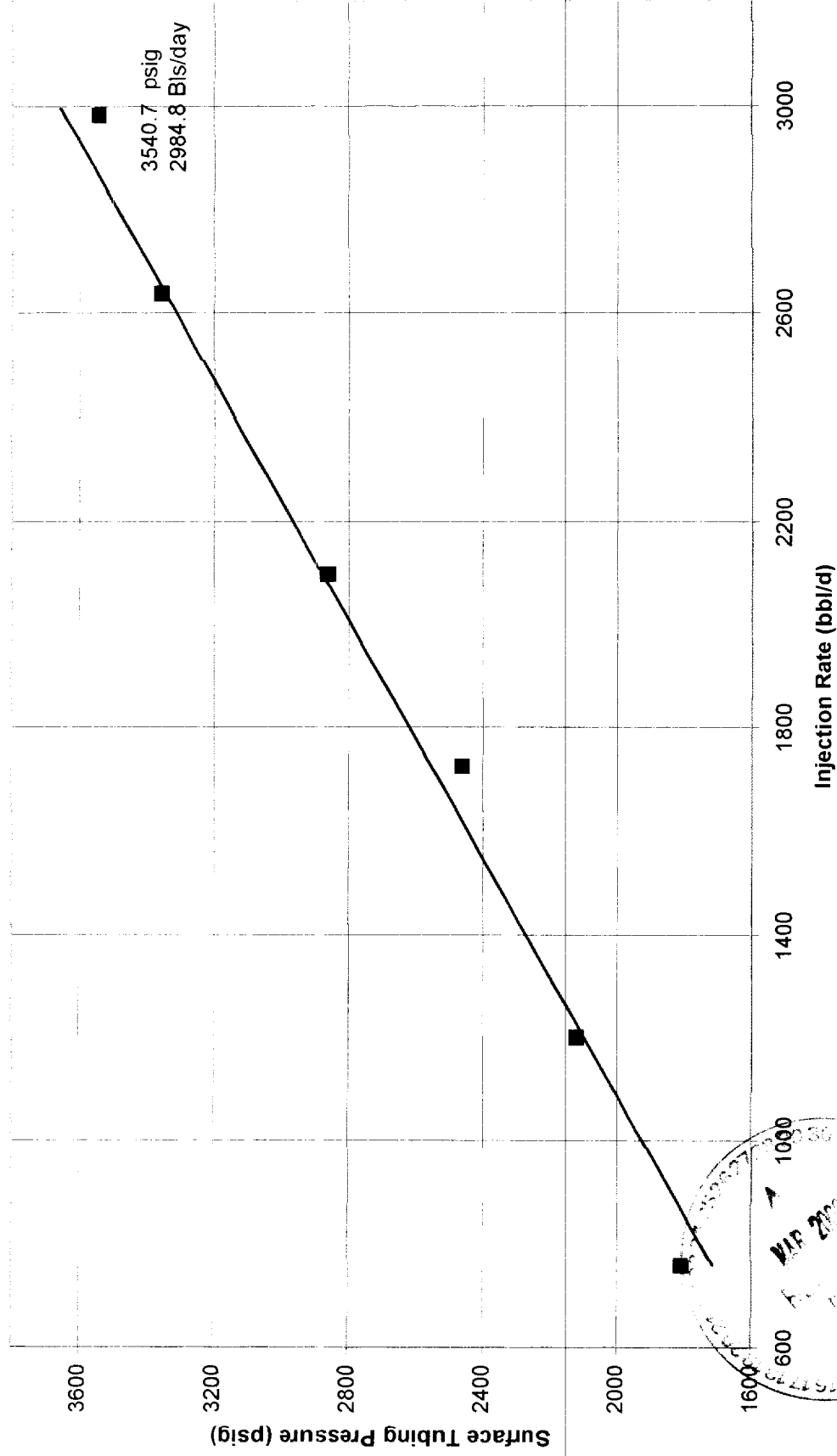
SERVICE DATES : 03-06-02
TEST TYPE : Step Rate
PPS TECHNICIANS : Joe Brown

STEP NO.	TIME	SURFACE TUBING PRESS. (psig)	CUMULATIVE VOL INJECTED (bbls)	INJECTION RATE (bbls/day)	INJECTION RATE (gpm)	MEASURED BHP (ps)
	10:30	1435.9				
	10:35	1531.8	2.6	754.1	22.00	
	10:40	1613.5	5.2	753.2	21.97	
1	10:45	1662.6	7.9	761.2	22.20	
	10:50	1713.3	10.5	762.0	22.23	
	10:55	1761.9	13.2	761.9	22.22	
2	11:00	1807.6	15.8	753.7	21.98	
	11:05	1929.8	19.8	1149.4	33.52	
	11:10	2021.1	24.1	1232.7	35.95	
3	11:15	2120.7	28.3	1223.7	35.69	
	11:20	2321.8	34.1	1667.8	48.64	
	11:25	2403.6	40.2	1751.4	51.08	
4	11:30	2461.7	46.3	1755.8	51.21	
	11:35	2693.8	53.5	2091.4	61.00	
	11:40	2732.4	60.8	2104.1	61.37	
5	11:45	2860.0	68.1	2099.0	61.22	
	11:50	3062.3	77.0	2557.7	74.60	
	11:55	3157.5	86.2	2643.9	77.11	
6	12:00	3356.2	95.6	2717.3	79.25	
	12:05	3392.1	106.0	2991.3	87.25	
	12:10	3498.2	116.4	2990.9	87.23	
7	12:15	3540.7	126.7	2972.3	86.69	
	12:20	3667.3	137.1	2989.5	87.19	
	12:25	3751.4	147.4	2974.8	86.77	
Falloff	12:30	3768.5	157.9	3025.5	88.24	
	12:31	3027.8				



Pacific Process Systems, Inc.

Step Rate Injection Test



3406 Lovington Hwy.
Hobbs, NM 88240

Phone: (505) 392-8813
Fax: (505) 392-6612