

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

October 9, 2002

Lori Wrotenbery

Director

Oil Conservation Division

Avra Oil Company
P.O. Box 3193
Midland, Texas 79702

Attn: Mr. Saeed Afghahi

RE: Injection Pressure Increase - 188
C. A. Taylor Well No. 1
(API No. 30-025-21276)
Lea County, New Mexico

Dear Mr. Afghahi:

Reference is made to the Step Rate Injection Test Report for the above referenced well run on September 4, 2001. We recently found this test report in our well files WITHOUT a cover letter requesting an injection pressure increase. Despite this, we have reviewed the test results and feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

<i>Well and Location</i>	<i>Maximum Surface Injection Pressure</i>
C. A. Taylor Well No. 1	1585 PSIG
Located in Unit P of Section 11, Township 18 South, Range 38 East, Lea County, New Mexico.	

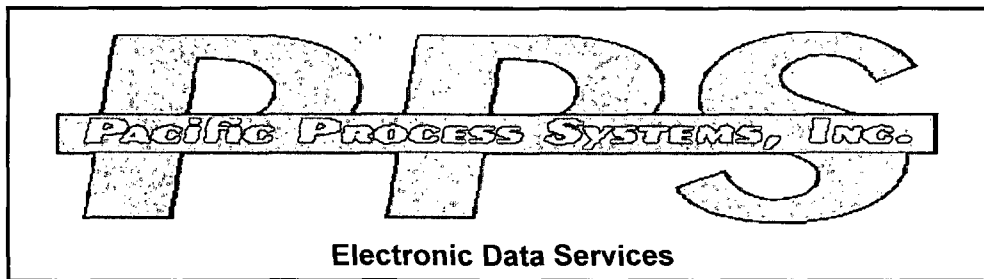
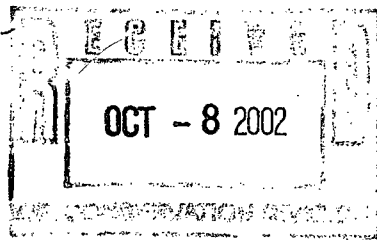
The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers. This order is retroactive to October 1, 2001.

Sincerely,

Lori Wrotenbery (WWS)
Lori Wrotenbery
Director

LW/wvjj

cc: Oil Conservation Division - Hobbs
Files: SWD-564; PSI-X-2001



Step Rate Injection Test Report

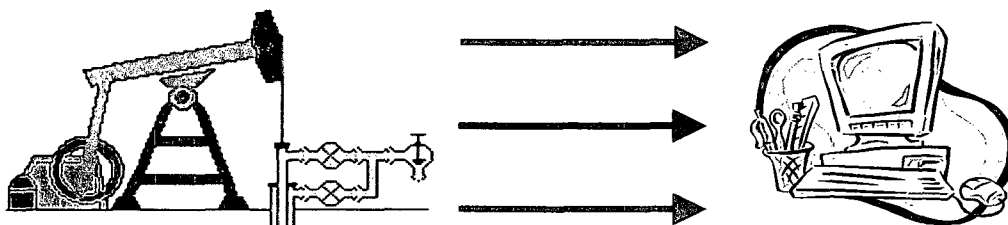
for

Avra Oil Company

Taylor #1 - P, 11-18s-38e

9-4-01

30-025-21276



*Sw D 364
8/10/94*

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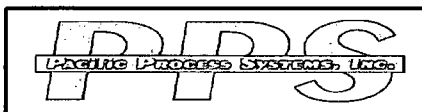


COMPANY : Avra Oil Company
WELL: Taylor #1
COMPANY REP: Saeed Aighahi
PERFORATIONS: N/A

N/A

SERVICE DATES : 9-4-01
TEST TYPE : Step Rate Injection
PPS TECHNICIANS : D. Ginanni
BHP GAUGE DEPTH: N/A

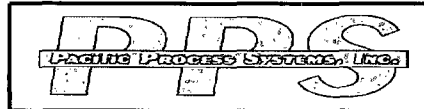
DATE	TIME	REMARKS
09/04/01	9:03	Start pumping @ 400 BPD
09/04/01	9:18	Increase to 650 BPD
09/04/01	9:33	Increase to 950 BPD
09/04/01	9:48	Increase to 1200 BPD
09/04/01	10:03	Increase to 1500 BPD
09/04/01	10:18	Increase to 1800 BPD
09/04/01	10:33	Increase to 2100 BPD
09/04/01	10:48	Increase to 2400 BPD
09/04/01	11:03	Increase to 2700 BPD
09/04/01	11:18	Increase to 3000 BPD
09/04/01	11:33	Increase to 3300 BPD
09/04/01	11:44	Cease pumping, start falloff
09/04/01	11:58	End of test



COMPANY : Avra Oil Company
WELL: Taylor #1
COMPANY REP: Saeed Aighahi
PERFORATIONS: N/A

SERVICE DATES : 9-4-01
TEST TYPE : Step Rate Injection
PPS TECHNICIANS : D. Ginanni
BHP GAUGE DEPTH: N/A

STEP NO.	TIME	SURFACE TUBING PRESS. (psig)	CUMULATIVE VOL INJECTED (bbbls)	INJECTION RATE (bbbls/day)	INJECTION RATE (gpm) (3)/34.2857	MEASURED BHP (psi)
	9:03	189.1				
	9:08	295.7	1.6	465.9	13.59	
	9:13	370.3	3.2	457.2	13.34	
1	9:18	495.1	5.3	601.6	17.55	
	9:23	558.8	7.9	741.8	21.64	
	9:28	572.4	10.4	737.1	21.50	
2	9:33	685.0	13.5	878.1	25.61	
	9:38	795.8	17.0	1009.0	29.43	
	9:43	852.4	20.5	1008.4	29.41	
3	9:48	988.7	24.4	1123.8	32.78	
	9:53	1028.8	28.7	1248.3	36.41	
	9:58	1084.4	33.1	1253.0	36.55	
4	10:03	1209.5	37.9	1401.2	40.87	
	10:08	1235.6	43.3	1539.8	44.91	
	10:13	1300.8	48.6	1535.7	44.79	
5	10:18	1430.8	54.1	1574.9	45.94	
	10:23	1492.4	60.5	1849.4	53.94	
	10:28	1489.5	66.9	1843.4	53.76	
6	10:33	1657.5	73.8	1991.1	58.07	
	10:38	1634.9	81.1	2101.8	61.30	
	10:43	1662.9	88.4	2105.8	61.42	
7	10:48	1766.9	96.3	2257.2	65.84	
	10:53	1859.0	104.7	2419.1	70.56	
	10:58	1779.4	113.1	2423.7	70.69	
8	11:03	1870.4	122.0	2560.8	74.69	
	11:08	1882.9	131.3	2688.9	78.43	
	11:13	1897.2	140.5	2650.2	77.30	
9	11:18	1997.8	150.4	2860.5	83.43	
	11:23	2025.6	160.9	3003.7	87.61	
	11:28	2056.8	171.3	3010.8	87.81	
10	11:33	2099.7	182.4	3182.8	92.83	
	11:38	2177.4	193.9	3315.4	96.70	
	11:43	2194.2	205.3	3294.7	96.10	



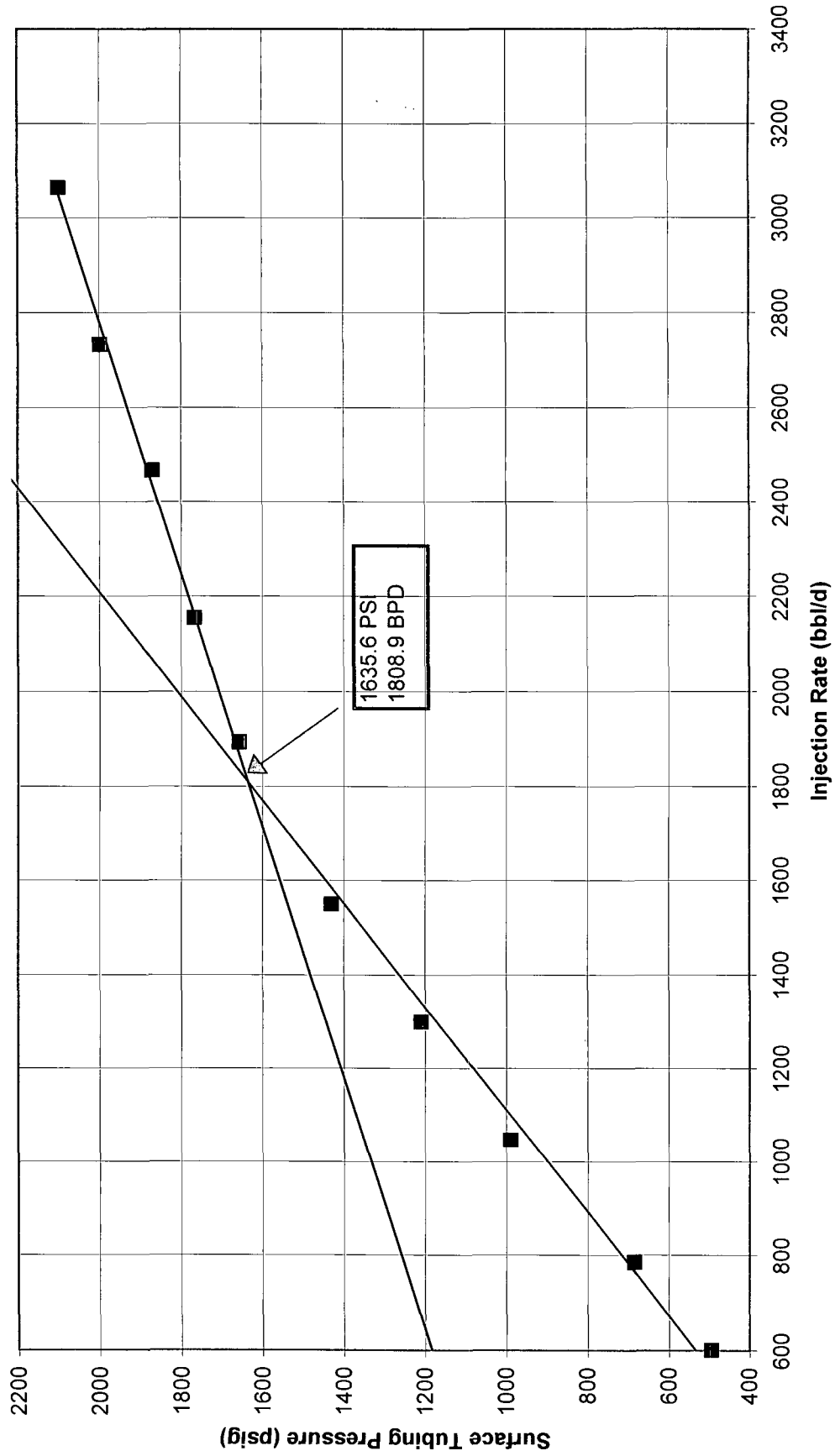
COMPANY : Avra Oil Company
 WELL: Taylor #1
 COMPANY REP: Saeed Aighahi
 PERFORATIONS: N/A

SERVICE DATES : 9-4-01
 TEST TYPE : Step Rate Injection
 PPS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH: N/A

STEP NO.	TIME	SURFACE TUBING PRESS. (psig)	CUMULATIVE VOL. INJECTED (bbls)	INJECTION RATE (bbls/day)	INJECTION RATE (gpm) (3)/34.2857	MEASURED BHP (psi)
FALLOFF	11:44	1488.7				
	11:45	1678.8				
	11:46	1637.0				
	11:47	1601.9				
	11:48	1571.5				
	11:53	1453.3				
	11:58	1380.5				

Pacific PROCESS SYSTEMS, INC.

Step Rate Injection Test



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

3406 Lovington Hwy.
Hobbs, NM 88240