

1 P1-143 N/R 33003



Cross Timbers Operating Company

JUL 27 2000

July 25, 2000

Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: Step Rate Test
SEMGS AU #908
330' FNL & 330' FEL
A-32-17S-33E
Lea Co., NM
API #30-025-33593

Gentlemen:

The results of the Step Rate Test (SRT) for the captioned well conducted on July 17, 2000 by Production Testing Services are attached. No witness from the NMOCD was present during the test.

The SRT indicated a surface tubing injection pressure of 973.8 psig (associated injection rate of 1049.4 BPD) to fracture the reservoir. Based on the fracture pressure determined for this well, Cross Timbers Operating Company request that the approved injection pressure limit, which is 852 psig, be increased to 973 psig.

If you have any questions, please contact me at 915/682-8873.

Yours truly,

D. Patrick Darden
Operations Engineer

DPD/jdc

Enclosure

cc: OCD/Hobbs
Erich Palko/CTOC/Ft. Worth

JUL 19 2000



Well Test Report

for

Cross Timbers Operating

S.E.M.G.S.A.U. #908

7/17/00

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Production Testing Services

COMPANY : Cross Timbers Operating
 WELL: S.E.M.G.S.A.U. #908
 COMPANY REP: Luther Miller
 PERFORATIONS: 261-4399

PACKER DEPTH: 4198

SERVICE DATES : 7/17/00
 TEST TYPE : SR
 PTS TECHNICIANS : J. Smith/D. Ginanni
 BHP GAUGE DEPTH:

DATE	TIME	REMARKS
07/17/00	8:28	
	8:30	Start Test @ 200 BPD
	8:35	
	8:40	
	8:45	Increase to 400 BPD
	8:50	
	8:55	
	9:00	Increase to 800 BPD
	9:05	
	9:10	
	9:15	Increase to 1200 BPD
	9:20	
	9:25	
	9:30	Increase to 1600 BPD
	9:35	
	9:40	
	9:45	Increase to 2000 BPD
	9:50	
	9:55	
	10:00	Increase to 2400 BPD
	10:05	
	10:10	
	10:15	
	10:16	Falloff
	10:17	
	10:18	
	10:19	
	10:20	
	10:25	End of Test

Production Testing Services

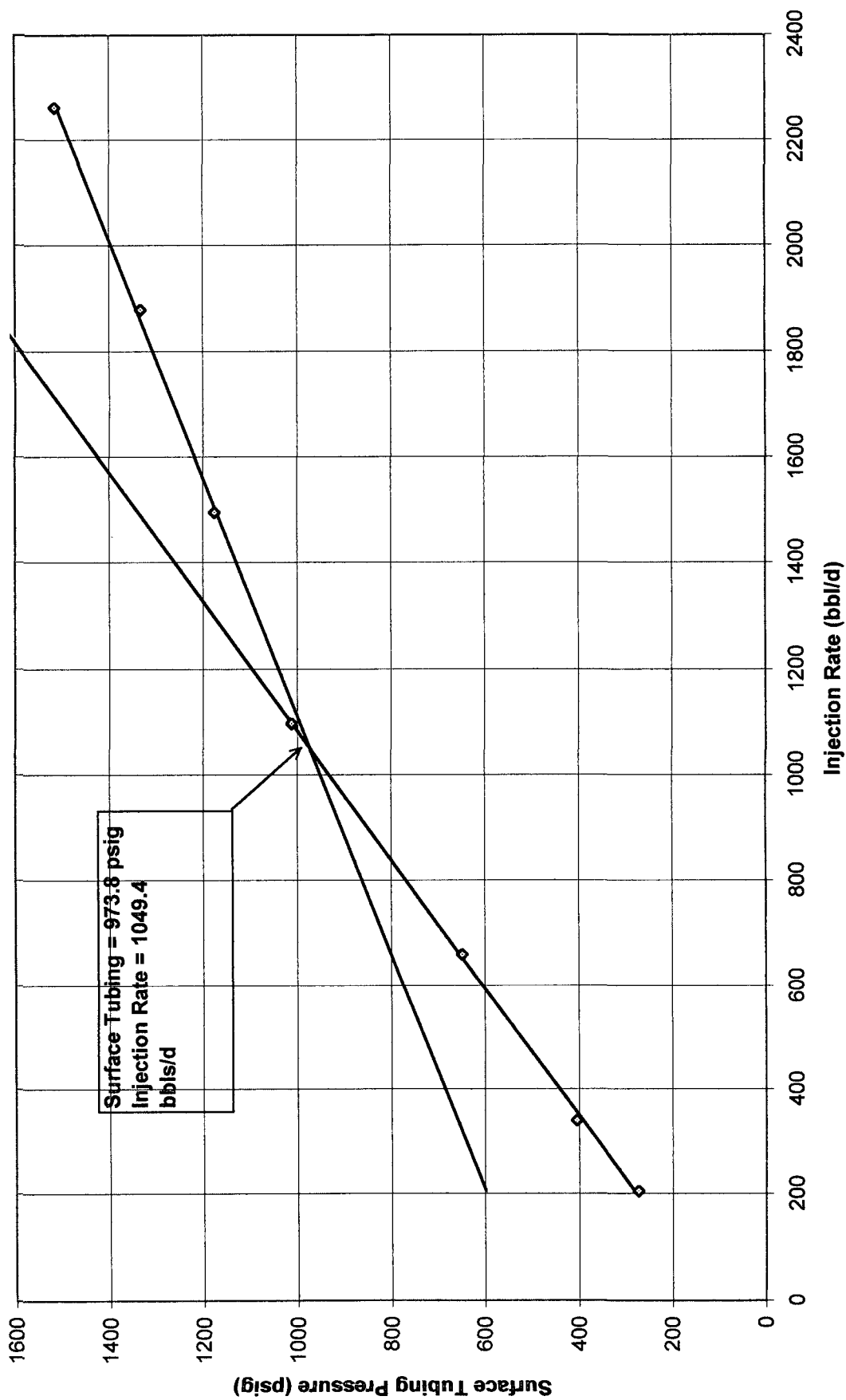
COMPANY : Cross Timbers Operating
 WELL: S.E.M.G.S.A.U. #908
 COMPANY REP: Luther Miller
 PERFORATIONS: 261-4399 PACKER DEPTH: 4198

SERVICE DATES : 7/17/00
 TEST TYPE : SR
 PTS TECHNICIANS : J. Smith/D. Ginanni
 BHP GAUGE DEPTH:

STEP NO.	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE VOL INJECTED (bbbls)	(3) INJECTION RATE (bbbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1) - (4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	8:28	167.5						
	8:30	168.5	0.7	200.0	2.060	166.4	5.83	
	8:35	247.6	1.4	210.0	2.255	245.3	6.13	
	8:40	279.6	2.1	200.0	2.060	277.5	5.83	
1	8:45	274.4	2.8	205.0	2.157	272.2	5.98	
	8:50	383.0	4.2	405.8	7.628	375.4	11.84	
	8:55	412.6	5.6	405.6	7.621	405.0	11.83	
2	9:00	404.8	7.1	411.8	7.838	397.0	12.01	
	9:05	618.3	9.8	792.4	26.307	592.0	23.11	
	9:10	653.4	12.5	773.4	25.152	628.2	22.56	
3	9:15	649.5	15.2	767.5	24.798	624.7	22.39	
	9:20	938.0	19.6	1260.4	62.083	875.9	36.76	
	9:25	945.9	23.9	1260.4	62.083	883.8	36.76	
4	9:30	1012.7	28.3	1260.4	62.083	950.6	36.76	
	9:35	1122.5	33.9	1603.0	96.863	1025.6	46.75	
	9:40	1139.5	39.5	1622.4	99.042	1040.5	47.32	
5	9:45	1176.0	45.3	1666.0	104.023	1072.0	48.59	
	9:50	1296.6	52.2	1978.0	142.905	1153.7	57.69	
	9:55	1329.0	59.1	1990.4	144.567	1184.4	58.05	
6	10:00	1333.1	65.8	1928.1	136.307	1196.8	56.24	
	10:05	1480.2	74.2	2427.3	208.693	1271.5	70.80	
	10:10	1510.5	82.6	2427.3	208.693	1301.8	70.80	
7	10:15	1515.8	91.0	2408.6	205.728	1310.1	70.25	
	10:16	1030.5						

Production Testing Services

Step Rate Injection Test



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