

APP # ~~00000~~
52124

1 P1-144

N/R

NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

FAX

TO:

MARK ASHLEY

FROM:

GARY W. WINK

Energy, Minerals and Natural Resources Department,
Oil Conservation Division

RE:

STEP RATES FOR - QUEEN SAND OPERATING (153093)

DATE:

8-9-2000

Verbal to Gary W. 8-10-00
mw

13760 NOEL ROAD, Suite 1030

LB 44

DALLAS, TX 75240-7336

17

Pages (Including Transmittal)



Step Rate Injection Test Report

for

Queen Sand Operating

DQSU #55 30-005-21157

M-15-145-31E

1133 PSIG

Production Testing Services

COMPANY: Queen Sand Operating
 WELL: DQSU #55
 COMPANY REP: Roger Anderson
 PERFORATIONS:

PACKER DEPTH:

SERVICE DATES: 7/18/00
 TEST TYPE: Step Rate Injection
 PTS TECHNICIANS: JI Smith/D. Ginanni
 BHP GAUGE DEPTH:

07/18/00	11:10	Start Test @ 400 BPD
	11:15	
	11:20	
	11:25	Increase Rate to 800 BPD
	11:30	
	11:35	
	11:40	Increase Rate to 1200 BPD
	11:45	
	11:50	
	11:55	Increase Rate to 1700 BPD
	12:00	
	12:05	
	12:10	Increase Rate to 2300 BPD
	12:15	
	12:20	
	12:25	Increase Rate to 2700 BPD
	12:30	
	12:35	
	12:40	Cease Pumping
	12:41	Falloff
	12:42	
	12:43	
	12:44	
	12:45	
	12:50	End of test

Production Testing Services

COMPANY: Queen Sand Operating

WELL: DQSU #55

COMPANY REP: Roger Anderson

PERFORATIONS:

PACKER DEPTH:

SERVICE DATES : 7/18/00

TEST TYPE : Step Rate Injection

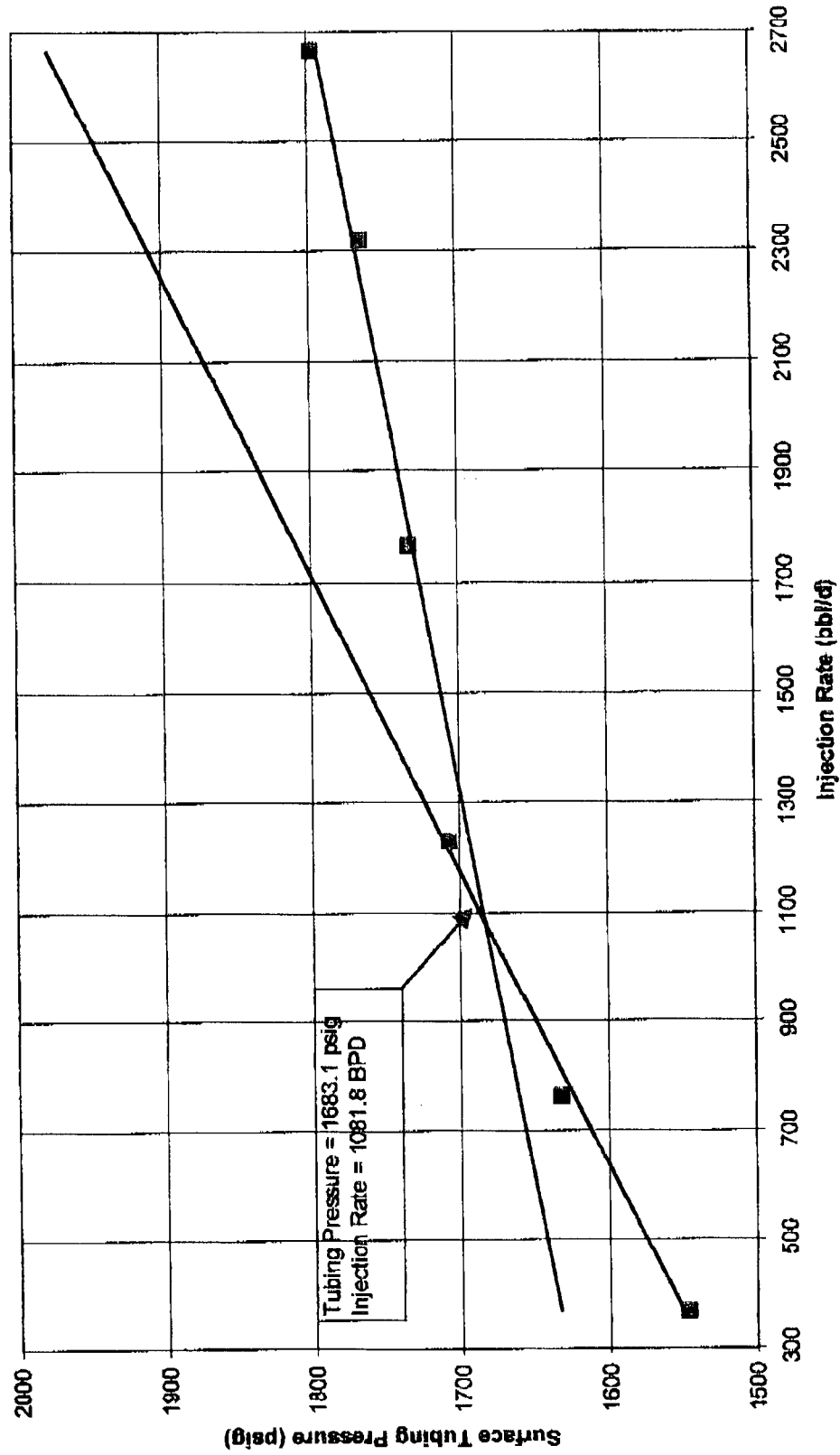
PTS TECHNICIANS : J/ Smith/D. Ginanni

BHP GAUGE DEPTH:

	11:10	1476.0						
	11:15	1495.2	1.4	397.6	0.000	1495.2	11.60	
	11:20	1537.5	2.5	320.0	0.000	1537.5	9.33	
1	11:25	1546.3	3.8	381.1	0.000	1546.3	11.12	
	11:30	1620.9	6.3	717.4	0.000	1620.9	20.92	
	11:35	1622.1	9.0	789.2	0.000	1622.1	22.44	
2	11:40	1631.9	11.8	800.7	0.000	1631.9	23.35	
	11:45	1689.6	16.1	1256.0	0.000	1689.6	36.63	
	11:50	1664.4	20.4	1224.9	0.000	1664.4	35.73	
3	11:55	1706.6	24.5	1203.1	0.000	1706.6	35.09	
	12:00	1710.9	30.8	1787.8	0.000	1710.9	52.14	
	12:05	1728.8	36.8	1746.0	0.000	1728.8	50.93	
4	12:10	1732.7	42.9	1764.0	0.000	1732.7	51.45	
	12:15	1744.7	51.1	2363.2	0.000	1744.7	68.93	
	12:20	1752.5	59.2	2314.9	0.000	1752.5	67.52	
5	12:25	1769.4	67.1	2279.5	0.000	1769.4	66.49	
	12:30	1787.9	76.4	2665.0	0.000	1787.9	77.73	
	12:35	1791.3	85.6	2664.0	0.000	1791.3	77.70	
6	12:40	1796.5	94.9	2667.2	0.000	1796.5	77.79	
	12:41	1698.6						
	12:42	1686.1						
	12:43	1681.7						
	12:44	1677.8						
	12:45	1673.9						
	12:50	1659.2						

Production Testing Services

Step Rate Injection Test



1247 Broadway Pl.
P.O. Box 7126
Hobbs, NM 88240

Phone: (505) 381-8703
Fax: (505) 383-6753

1633
p316



Step Rate Injection Test Report

for

Queen Sand Operating

Drickey Queen #56

30-005-21153

0-15-145-31E

1556 pslg

Production Testing Services

COMPANY : Queen Sand Operating
 WELL: Drickey Queen #56
 COMPANY REP: Roger Anderson
 PERFORATIONS:

PACKER DEPTH:

SERVICE DATES : 7/19/00
 TEST TYPE : Step Rate Injection
 PTS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH:

07/19/00	8:59	Start Test @ 300 BPD
07/19/00	9:04	
07/19/00	9:09	
07/19/00	9:14	Increase Rate to 500 BPD
07/19/00	9:19	
07/19/00	9:24	
07/19/00	9:29	Increase Rate to 900 BPD
07/19/00	9:34	
07/19/00	9:39	
07/19/00	9:44	Increase Rate to 1400 BPD
07/19/00	9:49	
07/19/00	9:54	
07/19/00	9:59	Increase Rate to 1800 BPD
07/19/00	10:04	
07/19/00	10:09	
07/19/00	10:14	Increase Rate to 2100 BPD
07/19/00	10:19	
07/19/00	10:25	
07/19/00	10:29	Increase Rate to 2600 BPD
07/19/00	10:34	
07/19/00	10:39	
07/19/00	10:44	Increase Rate to 2800 BPD
07/19/00	10:49	
07/19/00	10:54	
07/19/00	10:55	
07/19/00	10:56	
07/19/00	10:57	
07/19/00	10:58	
07/19/00	10:59	
07/19/00	11:04	End of Test

Production Testing Services

COMPANY : Queen Sand Operating

WELL: Drickey Queen #56

COMPANY REP: Roger Anderson

PERFORATIONS:

PACKER DEPTH:

SERVICE DATES : 7/19/00

TEST TYPE : Step Rate Injection

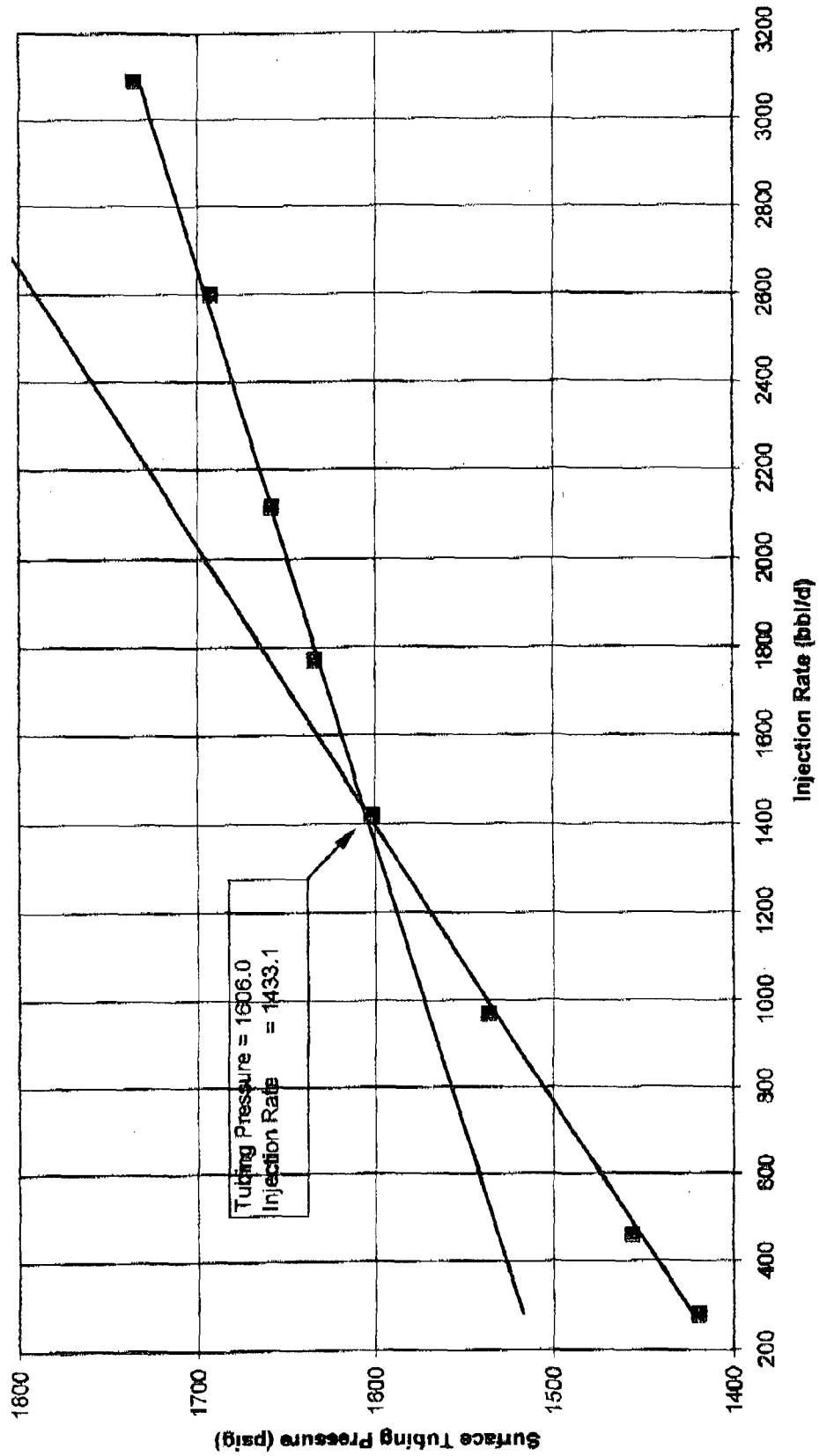
PTS TECHNICIANS : D. Ginanni

BHP GAUGE DEPTH:

	8:59	1387.5					
	9:04	1422.9	0.9	272.1	2.327	1420.5	7.93
	9:09	1438.9	2.0	295.5	2.712	1436.1	8.62
1	9:14	1419.0	2.9	274.5	2.366	1416.7	8.01
	9:19	1449.9	4.5	484.5	6.259	1443.6	13.55
	9:24	1461.2	6.1	458.1	6.103	1455.0	13.36
2	9:29	1455.6	7.7	460.5	6.160	1449.4	13.43
	9:34	1524.6	10.9	922.8	22.292	1502.3	26.92
	9:39	1526.2	14.4	995.3	25.637	1500.6	29.03
3	9:44	1536.0	17.8	992.0	25.480	1510.5	28.93
	9:49	1582.8	22.6	1375.9	46.674	1536.1	40.13
	9:54	1587.2	27.6	1443.3	50.989	1536.2	42.10
4	9:59	1601.4	32.6	1439.9	50.766	1550.6	42.00
	10:04	1631.3	38.7	1744.8	72.428	1558.9	50.89
	10:09	1637.1	44.8	1775.5	74.803	1562.3	51.79
5	10:14	1633.8	51.1	1793.3	76.191	1557.6	52.30
	10:19	1660.2	58.4	2107.5	102.718	1557.5	61.47
	10:25	1662.5	65.8	2124.6	104.258	1558.2	61.97
6	10:29	1658.0	73.1	2120.8	103.922	1554.1	61.86
	10:34	1697.0	82.1	2580.3	149.370	1547.6	75.26
	10:39	1699.1	91.2	2615.6	153.172	1545.9	76.29
7	10:44	1692.5	100.2	2609.5	152.507	1539.9	76.11
	10:49	1730.4	110.9	3067.0	205.624	1524.8	89.45
	10:54	1735.8	121.6	3101.2	209.897	1525.9	90.45
8	10:55	1735.8	132.4	3100.0	209.741	1526.0	90.42
	10:56	1672.5					
	10:57	1590.8					
	10:58	1579.4					
	10:59	1571.6					
	11:04	1557.4					

Production Testing Services

Step Rate Injection Test



1247 Broadway Pl.
P.O. Box 7425
Hobbs, NM 88240

Phone: (505) 391-8703
Fax: (505) 393-4753



Step Rate Injection Test Report

for

Queen Sand Operating

Drickey Queen #57

30-005-21154

A-15-145-31E

18091516

Production Testing Services

COMPANY : Queen Sand Operating
 WELL : Drickey Queen #67
 COMPANY REP: Roger Anderson
 PERFORATIONS:

PACKER DEPTH:

SERVICE DATES : 7/19/00
 TEST TYPE : Step Rate Injection
 PTS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH:

07/19/00	18:28	Start Test @ 200 BPD
07/19/00	18:30	
07/19/00	18:35	
07/19/00	18:40	Increase Rate to 350 BPD
07/19/00	18:45	
07/19/00	18:50	
07/19/00	18:55	Increase Rate to 500 BPD
07/19/00	19:00	
07/19/00	19:05	
07/19/00	19:10	Increase Rate to 700 BPD
07/19/00	19:15	
07/19/00	19:20	
07/19/00	19:25	Increase Rate to 950 BPD
07/19/00	19:30	
07/19/00	19:35	
07/19/00	19:40	Increase Rate to 1100 BPD
07/19/00	19:45	
07/19/00	19:50	
07/19/00	19:55	Cease Pumping
07/19/00	20:00	Falloff
07/19/00	20:05	
07/19/00	20:10	
07/19/00	20:15	
07/19/00	20:20	
07/19/00	20:25	
07/19/00	20:30	
07/19/00	20:35	
07/19/00	20:40	
07/19/00	20:45	
07/19/00	20:50	
07/19/00	20:55	
07/19/00	21:00	
07/19/00	21:05	End of test

Production Testing Services

COMPANY : Queen Sand Operating

WELL: Drickey Queen #57

COMPANY REP: Roger Anderson

PERFORATIONS:

PACKER DEPTH:

SERVICE DATES : 7/19/00

TEST TYPE : Step Rate Injection

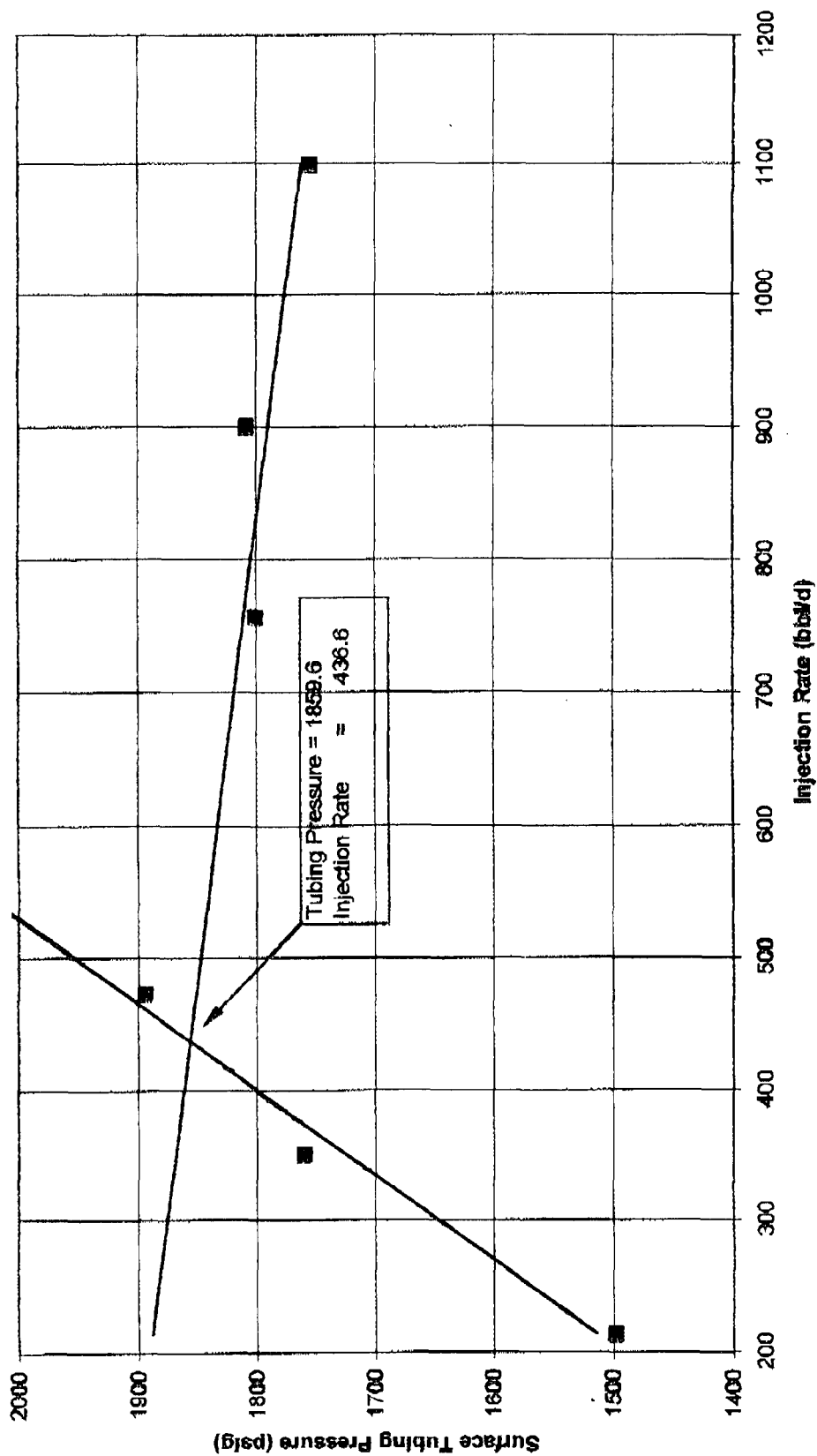
PTS TECHNICIANS : D. Ginanni

BHP GAUGE DEPTH:

	15:25	1224.9					
	15:30	1406.4	0.7	204.6	1.338	1405.0	5.97
	15:35	1467.0	1.5	217.1	1.494	1465.5	6.33
1	15:40	1497.8	2.2	218.0	1.505	1496.3	6.36
	15:45	1639.3	3.4	345.8	3.534	1635.7	10.09
	15:50	1694.2	4.6	348.8	3.590	1690.6	10.17
2	15:55	1759.6	5.9	358.4	3.776	1755.8	10.45
	16:00	1857.1	7.3	414.8	4.948	1852.1	12.10
	16:05	1915.5	9.0	497.8	6.933	1908.5	14.52
3	16:10	1894.4	10.8	506.8	7.168	1887.3	14.78
	16:15	1865.1	13.4	735.0	14.260	1850.8	21.44
	16:20	1813.9	15.9	745.2	14.629	1799.2	21.74
4	16:25	1800.7	18.7	788.0	16.219	1784.5	22.98
	16:30	1807.4	21.8	907.0	21.038	1786.4	26.45
	16:35	1782.2	25.0	902.3	20.837	1761.4	26.32
5	16:40	1808.2	28.1	892.8	20.433	1787.8	26.04
	16:45	1772.7	31.8	1087.7	29.448	1743.2	31.72
	16:50	1774.9	35.7	1105.1	30.321	1744.6	32.23
6	16:55	1754.5	39.5	1106.5	30.384	1724.1	32.27
	16:58	1727.3					
	16:57	1720.8					
	16:58	1715.5					
	16:59	1711.1					
	17:00	1707.6					
	17:05	1693.8					

Production Testing Services

Step Rate Injection Test



1247 Broadway Pl.
P.O. Box 7125
Hobbs, NM 88240

Phone: (505) 393-8703
Fax: (505) 393-4753



NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

FAX

TO:

MARK ASHLEY

FROM:

GARY W. WINK

Energy, Minerals and Natural Resources Department,
Oil Conservation Division

RE:

STEP RATE (QUEEN SAND OPERATING)

DATE:

8-10-2000

WFX-746

CASE# 1356, R-1128

R-1780 WFX

R-2448 WFX

5

Pages (Including Transmittal)



Step Rate Injection Test Report

for

Queen Sand Operating

Drickey Queen #54 30-005-21156

*P-15-14531E**

1784 PSIG

Production Testing Services

COMPANY : Queen Sand Operating
 WELL : Drickey Queen #54
 COMPANY REP: Roger Anderson
 PERFORATIONS: PACKER DEPTH:

SERVICE DATES : 7/20/00
 TEST TYPE : Step Rate Injection
 PTS TECHNICIANS : D. Ginanni
 BHP GAUGE DEPTH:

	Time	Pressure (psi)	Flow Rate (bbl/d)	Pressure (psi)	Flow Rate (bbl/d)	Pressure (psi)	Flow Rate (bbl/d)
	8:49	794.3					
	8:54	972.1	0.8	230.8	1.689	970.4	6.73
	8:59	1031.1	1.5	213.8	1.465	1029.6	6.23
1	9:04	1079.3	2.3	217.2	1.509	1077.8	6.33
	9:09	1287.9	3.7	392.6	4.512	1283.4	11.45
	9:14	1371.6	5.1	423.4	5.187	1366.4	12.35
2	9:19	1264.7	6.6	416.2	5.025	1259.7	12.14
	9:24	1656.9	9.5	841.7	18.496	1638.4	24.55
	9:29	1650.7	12.7	912.4	21.468	1629.2	26.61
3	9:34	1606.2	15.8	913.4	21.513	1584.7	26.64
	9:39	1750.6	20.3	1281.6	40.254	1710.3	37.38
	9:44	1764.8	24.9	1333.3	43.313	1721.5	38.89
4	9:49	1784.1	29.5	1333.2	43.305	1740.8	38.88
	9:54	1825.4	35.5	1700.5	67.930	1757.5	49.60
	9:59	1848.5	41.8	1814.2	76.569	1772.0	52.91
5	10:04	1853.8	48.0	1809.6	76.213	1777.6	52.78
	10:09	1915.3	56.2	2362.6	124.821	1790.5	68.91
	10:14	1916.3	64.7	2427.6	131.239	1785.1	70.80
6	10:19	1898.5	73.1	2433.5	131.839	1766.7	70.98
	10:24	1913.8	82.4	2677.1	157.281	1756.6	78.08
	10:29	1909.5	92.4	2873.0	179.229	1730.2	83.79
7	10:34	1904.6	102.4	2876.3	179.620	1724.9	83.89
	10:39	1938.6	113.9	3320.0	234.208	1704.4	96.83
	10:44	1760.0	125.7	3383.5	242.566	1517.4	98.69
	10:45	1766.4	137.4	3383.4	242.551	1523.9	98.68
	10:46	1755.3					

Production Testing Services

COMPANY: Queen Sand Operating
 WELL: Drickey Queen #54
 COMPANY REP: Roger Anderson
 PERFORATIONS:

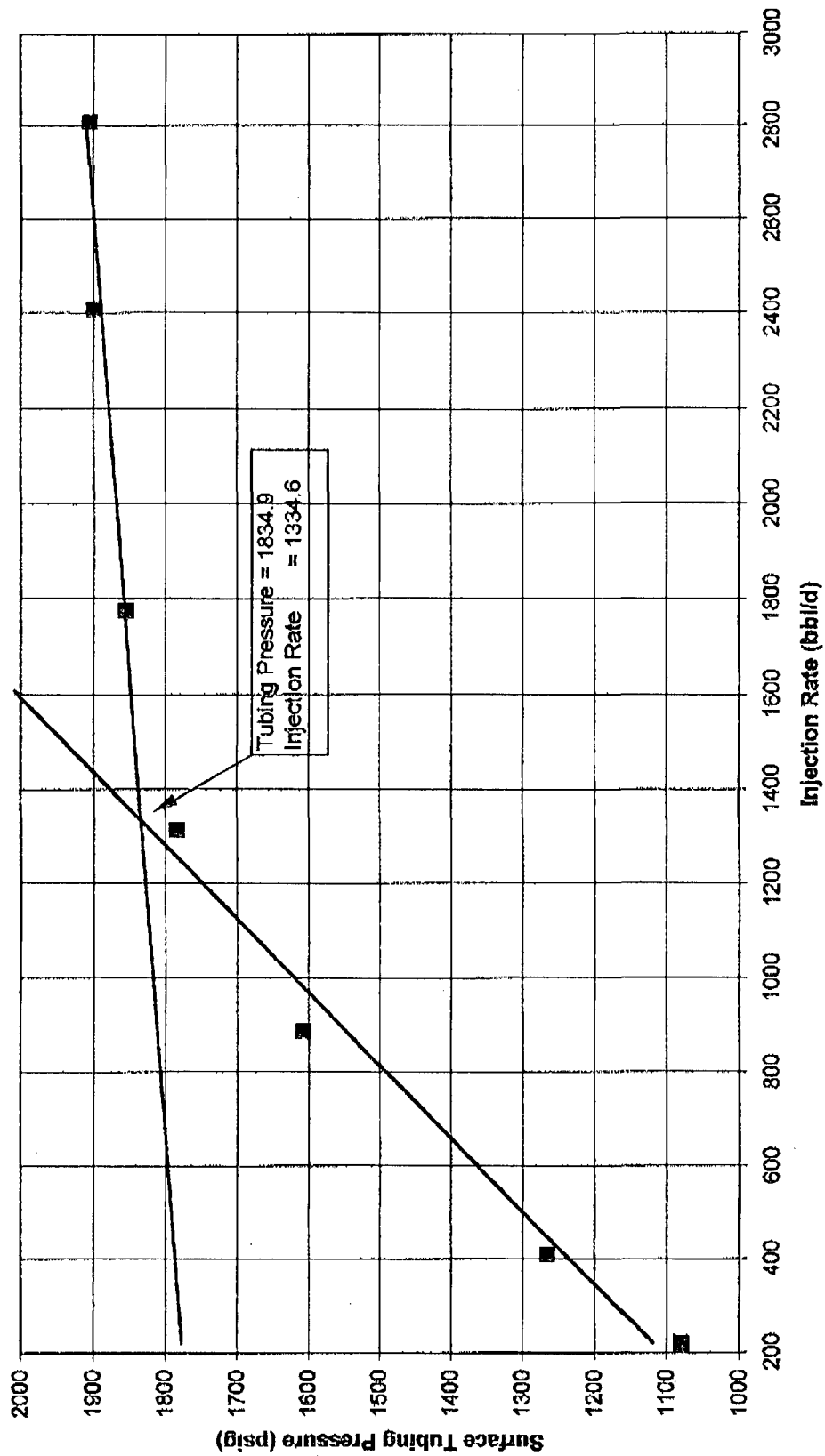
PACKER DEPTH:

SERVICE DATES: 7/20/00
 TEST TYPE: Step Rate Injection
 PTS TECHNICIANS: D. Ginanni
 BHP GAUGE DEPTH:

DATE	TIME	EVENT
07/20/00	8:48	Start Test @ 200 BPD
07/20/00	8:54	
07/20/00	8:59	
07/20/00	9:04	Increase Rate to 400 BPD
07/20/00	9:09	
07/20/00	9:14	
07/20/00	9:19	Increase Rate to 900 BPD
07/20/00	9:24	
07/20/00	9:29	
07/20/00	9:34	Increase Rate to 1350 BPD
07/20/00	9:39	
07/20/00	9:44	
07/20/00	9:49	Increase Rate to 1800 BPD
07/20/00	9:54	
07/20/00	9:59	
07/20/00	10:04	Increase Rate to 2300 BPD
07/20/00	10:09	
07/20/00	10:14	
07/20/00	10:19	Increase Rate to 2800 BPD
07/20/00	10:24	
07/20/00	10:29	
07/20/00	10:34	Increase Rate to 3300 BPD
07/20/00	10:39	
07/20/00	10:44	
07/20/00	10:45	Cease pumping
07/20/00	10:48	Falloff
07/20/00	10:47	
07/20/00	10:48	
07/20/00	10:49	
07/20/00	10:54	End of test

Production Testing Services

Step Rate Injection Test



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Fax: (505) 393-4753