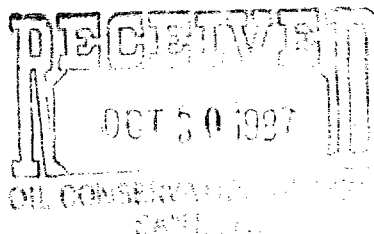


Mobil Exploration & Producing U.S. Inc.

October 27, 1987

State of New Mexico
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. W. J. LeMay



P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

INJECTION PRESSURE INCREASE REQUEST
NORTH VACUUM ABO FIELD
NORTH VACUUM UNIT
WELL NO. 230
LEA COUNTY, NEW MEXICO

Gentlemen:

Under the provisions of Order No. WFX-557 dated February 11, 1986, permission was granted to inject water into the Abo formation for the subject well. The order limited the pressure on the injection wells to no more than 0.2 psi. per foot to the uppermost injection interval. A step-rate test for this well has been completed which shows that higher pressure will not result in migration of the injected fluid from the Abo formation. Permission is requested to increase the injection pressure as follows:

	<u>INJECTION INTERVALS</u>	<u>PRESENT SURFACE INJECTION PRESSURE LIMIT</u>	<u>REQUESTED SURFACE INJECTION PRESSURE LIMIT</u>
WELL NO. 230 UNIT J, SEC. 13 T-17-S, R-34-E	8528-8781	1709 psig	3323 psig

Enclosed are copies of the Step-rate test.

Yours very truly,

M. E. Sweeney
Environmental & Regulatory Manager

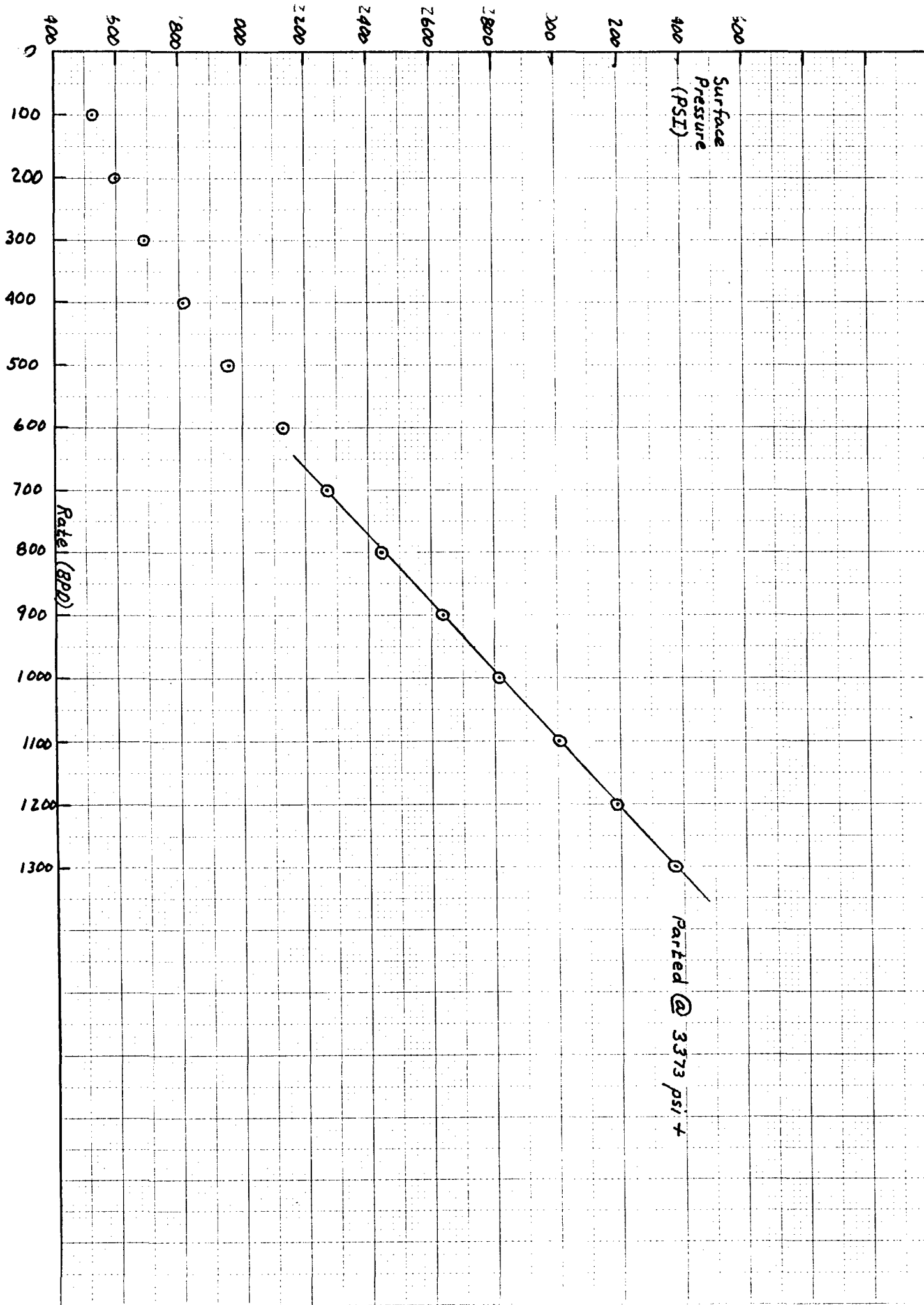
Mobil Exploration & Producing U.S. Inc.
as Agent for
Mobil Producing Texas & New Mexico Inc.

CCSmith/jlt

Attachments

cc: District Directory OCD - Hobbs

46 1320



NVAAU No. 230

10-22-87

STEP RATE TEST

COMPANY: Mobil Exploration & Producing U.S. Inc.
LEASE: North Vacuum Abo Unit
WELL: No. 230
LOCATION: J-13,T-17-S,R-34E, Lea County, New Mexico
TEST DATE: 10-22-87
PERFORATIONS: 8528'-8781'
TOTAL DEPTH: 10582'
PLUG BACK TD: 10106'
PACKER SET AT: 8482'

DATE	TIME	SURFACE PRESSURE (PSI)	INJ. RATE (BWPD)
10/22/87	08:35:00	1488	0
10/22/87	08:36:00	1498	100
10/22/87	08:37:00	1501	100
10/22/87	08:38:00	1505	100
10/22/87	08:39:00	1507	100
10/22/87	08:40:00	1510	100
10/22/87	08:41:00	1512	100
10/22/87	08:42:00	1514	100
10/22/87	08:43:00	1515	100
10/22/87	08:44:00	1516	100
10/22/87	08:45:00	1518	100
10/22/87	08:46:00	1519	100
10/22/87	08:47:00	1520	100
10/22/87	08:48:00	1521	100
10/22/87	08:49:00	1523	100
10/22/87	08:50:00	1524	100
10/22/87	08:51:00	1537	200
10/22/87	08:52:00	1544	200
10/22/87	08:53:00	1550	200
10/22/87	08:54:00	1556	200
10/22/87	08:55:00	1560	200
10/22/87	08:56:00	1564	200
10/22/87	08:57:00	1568	200
10/22/87	08:58:00	1572	200
10/22/87	08:59:00	1576	200
10/22/87	09:00:00	1579	200
10/22/87	09:01:00	1582	200
10/22/87	09:02:00	1586	200
10/22/87	09:03:00	1589	200
10/22/87	09:04:00	1592	200
10/22/87	09:05:00	1597	200
10/22/87	09:06:00	1616	300
10/22/87	09:07:00	1624	300
10/22/87	09:08:00	1632	300
10/22/87	09:09:00	1637	300
10/22/87	09:10:00	1639	300
10/22/87	09:11:00	1649	300
10/22/87	09:12:00	1654	300
10/22/87	09:13:00	1659	300
10/22/87	09:14:00	1664	300

DATE	TIME	SURFACE PRESSURE (PSI)	INJ. RATE (BWPD)
10/22/87	09:15:00	1669	300
10/22/87	09:16:00	1674	300
10/22/87	09:17:00	1678	300
10/22/87	09:18:00	1683	300
10/22/87	09:19:00	1687	300
10/22/87	09:20:00	1691	300
10/22/87	09:21:00	1715	400
10/22/87	09:22:00	1725	400
10/22/87	09:23:00	1734	400
10/22/87	09:24:00	1743	400
10/22/87	09:25:00	1750	400
10/22/87	09:26:00	1757	400
10/22/87	09:27:00	1764	400
10/22/87	09:28:00	1770	400
10/22/87	09:29:00	1777	400
10/22/87	09:30:00	1783	400
10/22/87	09:31:00	1789	400
10/22/87	09:32:00	1794	400
10/22/87	09:33:00	1800	400
10/22/87	09:34:00	1805	400
10/22/87	09:35:00	1811	400
10/22/87	09:36:00	1840	500
10/22/87	09:37:00	1850	500
10/22/87	09:38:00	1859	500
10/22/87	09:39:00	1868	500
10/22/87	09:40:00	1880	500
10/22/87	09:41:00	1888	500
10/22/87	09:42:00	1896	500
10/22/87	09:43:00	1904	500
10/22/87	09:44:00	1911	500
10/22/87	09:45:00	1918	500
10/22/87	09:46:00	1925	500
10/22/87	09:47:00	1932	500
10/22/87	09:48:00	1938	500
10/22/87	09:49:00	1945	500
10/22/87	09:50:00	1959	500
10/22/87	09:51:00	1987	600
10/22/87	09:52:00	1999	600
10/22/87	09:53:00	2009	600
10/22/87	09:54:00	2019	600
10/22/87	09:55:00	2026	600
10/22/87	09:56:00	2035	600
10/22/87	09:57:00	2048	600
10/22/87	09:58:00	2057	600
10/22/87	09:59:00	2065	600
10/22/87	10:00:00	2072	600
10/22/87	10:01:00	2079	600
10/22/87	10:02:00	2087	600
10/22/87	10:03:00	2094	600
10/22/87	10:04:00	2101	600

DATE	TIME	SURFACE PRESSURE (PSI)	INJ. RATE (BWPD)
10/22/87	10:05:00	2131	600
10/22/87	10:06:00	2150	700
10/22/87	10:07:00	2161	700
10/22/87	10:08:00	2172	700
10/22/87	10:09:00	2182	700
10/22/87	10:10:00	2189	700
10/22/87	10:11:00	2200	700
10/22/87	10:12:00	2213	700
10/22/87	10:13:00	2218	700
10/22/87	10:14:00	2227	700
10/22/87	10:15:00	2235	700
10/22/87	10:16:00	2242	700
10/22/87	10:17:00	2248	700
10/22/87	10:18:00	2263	700
10/22/87	10:19:00	2270	700
10/22/87	10:20:00	2311	800
10/22/87	10:21:00	2318	800
10/22/87	10:22:00	2333	800
10/22/87	10:23:00	2342	800
10/22/87	10:24:00	2359	800
10/22/87	10:25:00	2365	800
10/22/87	10:26:00	2375	800
10/22/87	10:27:00	2386	800
10/22/87	10:28:00	2394	800
10/22/87	10:29:00	2402	800
10/22/87	10:30:00	2411	800
10/22/87	10:31:00	2420	800
10/22/87	10:32:00	2427	800
10/22/87	10:33:00	2435	800
10/22/87	10:34:00	2443	800
10/22/87	10:35:00	2492	900
10/22/87	10:36:00	2500	900
10/22/87	10:37:00	2512	900
10/22/87	10:38:00	2521	900
10/22/87	10:39:00	2526	900
10/22/87	10:40:00	2544	900
10/22/87	10:41:00	2554	900
10/22/87	10:42:00	2568	900
10/22/87	10:43:00	2572	900
10/22/87	10:44:00	2584	900
10/22/87	10:45:00	2592	900
10/22/87	10:46:00	2599	900
10/22/87	10:47:00	2619	900
10/22/87	10:48:00	2620	900
10/22/87	10:49:00	2637	900
10/22/87	10:50:00	2675	1000
10/22/87	10:51:00	2695	1000
10/22/87	10:52:00	2703	1000
10/22/87	10:53:00	2705	1000
10/22/87	10:54:00	2733	1000
10/22/87	10:55:00	2736	1000

<u>DATE</u>	<u>TIME</u>	<u>SURFACE PRESSURE (PSI)</u>	<u>INJ. RATE (BWPD)</u>
10/22/87	10:56:00	2744	1000
10/22/87	10:57:00	2756	1000
10/22/87	10:58:00	2759	1000
10/22/87	10:59:00	2765	1000
10/22/87	11:00:00	2783	1000
10/22/87	11:01:00	2793	1000
10/22/87	11:02:00	2801	1000
10/22/87	11:03:00	2807	1000
10/22/87	11:04:00	2817	1000
10/22/87	11:05:00	2863	1100
10/22/87	11:06:00	2884	1100
10/22/87	11:07:00	2890	1100
10/22/87	11:08:00	2907	1100
10/22/87	11:09:00	2916	1100
10/22/87	11:10:00	2928	1100
10/22/87	11:11:00	2936	1100
10/22/87	11:12:00	2945	1100
10/22/87	11:13:00	2953	1100
10/22/87	11:14:00	2961	1100
10/22/87	11:15:00	2969	1100
10/22/87	11:16:00	2976	1100
10/22/87	11:17:00	2983	1100
10/22/87	11:18:00	2996	1100
10/22/87	11:19:00	3004	1100
10/22/87	11:20:00	3059	1200
10/22/87	11:21:00	3070	1200
10/22/87	11:22:00	3080	1200
10/22/87	11:23:00	3093	1200
10/22/87	11:24:00	3101	1200
10/22/87	11:25:00	3108	1200
10/22/87	11:26:00	3117	1200
10/22/87	11:27:00	3132	1200
10/22/87	11:28:00	3139	1200
10/22/87	11:29:00	3146	1200
10/22/87	11:30:00	3156	1200
10/22/87	11:31:00	3163	1200
10/22/87	11:32:00	3170	1200
10/22/87	11:33:00	3181	1200
10/22/87	11:34:00	3188	1200
10/22/87	11:35:00	3246	1300
10/22/87	11:36:00	3255	1300
10/22/87	11:37:00	3269	1300
10/22/87	11:38:00	3279	1300
10/22/87	11:39:00	3287	1300
10/22/87	11:40:00	3296	1300
10/22/87	11:41:00	3303	1300
10/22/87	11:42:00	3320	1300
10/22/87	11:43:00	3325	1300
10/22/87	11:44:00	3331	1300
10/22/87	11:45:00	3340	1300
10/22/87	11:46:00	3349	1300

<u>DATE</u>	<u>TIME</u>	<u>SURFACE PRESSURE (PSI)</u>	<u>INJ. RATE (BWPD)</u>
10/22/87	11:47:00	3358	1300
10/22/87	11:48:00	3364	1300
10/22/87	11:49:00	3373	1300
10/22/87	11:50:00	3048	SI
10/22/87	11:51:00	2991	SI
10/22/87	11:52:00	2966	SI
10/22/87	11:53:00	2940	SI
10/22/87	11:54:00	2916	SI
10/22/87	11:55:00	2894	SI
10/22/87	11:56:00	2873	SI