

L. W. WARD NO. 3 - WELL RECORD

EASTMAN SURVEYS:

185 - 3/4 deg.	5080 - 1 deg.	9295 - 1 deg.
300 - 1/4	5147 - 1	9323 - 1
628 - 1/4	5362 - 1-1/4	9385 - 1-1/4
908 - 1/2	5520 - 1-1/4	9470 - 1-1/4
1186 - 0	5700 - 1	9580 - 3/4
1435 - 1/4	5860 - 1	9670 - 1-1/4
1712 - 1/4	5946 - 1	9800 - 3/4
2116 - 1	6310 - 1	9970 - 3/4
2670 - 1/2	6415 - 3/4	10090 - 1
3000 - 1	6610 - 3/4	10186 - 1
3265 - 1-1/4	6736 - 1/2	10235 - 3/4
3310 - 2-1/2	6875 - 1	10340 - 1
3578 - 2-1/4	7015 - 3/4	10410 - 1
3640 - 2-1/4	7115 - 1	10478 - 3/4
3670 - 2-3/4	7193 - 3/4	10510 - 1-1/4
3705 - 2-3/4	7340 - 1	10545 - 1
3736 - 3-1/4	7411 - 3/4	10572 - 3/4
3767 - 2-3/4	7515 - 3/4	10630 - 3/4
3790 - 2-3/4	7655 - 3/4	10666 - 3/4
3827 - 3-1/4	7724 - 1	10745 - 3/4
3858 - 3	7825 - 1	10810 - 3/4
3890 - 3-1/4	7980 - 3/4	10865 - 1
3953 - 3-1/4	8101 - 1	10914 - 3/4
4050 - 2-3/4	8250 - 3/4	10946 - 3/4
4083 - 2-1/4	8365 - 3/4	11080 - 1-1/4
4116 - 2-1/4	8452 - 3/4	11200 - 1
4147 - 2	8590 - 3/4	11240 - 1-1/4
4235 - 1-1/4	8690 - 1	11280 - 1-3/4
4260 - 1-1/4	8772 - 3/4	11305 - 1-3/4
4325 - 1-1/4	8840 - 3/4	11405 - 1-3/4
4357 - 1-1/2	8885 - 1/2	11510 - 1-1/4
4416 - 1-1/2	8950 - 3/4	11545 - 1-1/4
4545 - 1-1/2	9075 - 1/2	11715 - 1
4720 - 1	9168 - 1	11805 - 1
4900 - 1-1/4	9215 - 3/4	11860 - 3/4

DRILL STEM TESTS:

DST #1- 9455-9675', 4 hr. test, 4-1/2" drill pipe, 5/8" bottom & 1" top chokes, used 372' water blanket. Gas to surface in 7 minutes, water blanket in 63 minutes and oil in 72 minutes. Flowed 67.99 bbls. oil, 4.39 bbls. BS and 10.42 bbls. water in 1-3/4 hrs. Flowing pressure- 125#. Gas volume- 1,368,000 cu. ft. per day. GOR 1475. Flowed 37.90 bbls. oil, 3.24 bbls. BS and 5.08 bbls. water in 1 hr. Flowing pressure- 175#. Gas volume- 1,507,000 cu. ft. per day. GOR 1657. Gravity- 39.8 corrected. Reversed out 48.99 bbls. fluid cut 2% BS and 16% sulphur water. Recovered 309' free oil cut 1% BS and 1% sulphur water and 62' black salty sulphur water.

DST #2- 10,940-11,085', 4 hr. test, 4-1/2" drill pipe, 5/8" bottom & 1" top chokes, used 1811' water blanket. Gas to surface in 2 hrs. & 29 minutes, volume- too weak to measure. No fluid to surface. Recovered 1811' slightly oil and gas cut water blanket, est. 1% oil and 527' heavily oil and gas cut mud, est. 50% oil.

