

AMERADA PETROLEUM CORPORATION

SAUNDERS FIELD

J.E. STEVENS #7

D.S.T. & DEVIATION SURVEYS

- D.S.T. No. 1 - From 9810' to 9853' Penn. Zone #1 - 6 Hrs. 30 Mins. test, $4\frac{1}{2}$ " DP, $5/8$ " bottom & 1" top chokes, opened tool with strong blow of air, gas to surface in 6 Mins. & oil in 2 Hrs. 30 Mins. Flowed 41 BEls. oil & 3 BEls. water in 4 Hrs. Gas Vol. last hour 286,870 CFPD GOR-1728 based on last hour. Gvty. 41.7 Corr. Reversed out 22 BEls. oil & 6 BEls. water. Recovered 10' of free oil below TC valve. BT Chart - HI-4640#, HO-4640#, IFP-220#, FFP-1040#, 10 minute BUP-1840#, 20 minute BUP-2080#, 30 minute BUP-2320# & still increasing.
- D.S.T. No. 2 - From 9870' to 9928' Penn. Zone #2 - 4 Hrs. 9 Mins. test, $4\frac{1}{2}$ " DP, $5/8$ " bottom & 1" top chokes, opened tool with strong blow of air, gas to surface in 9 minutes, no fluid to surface. Reversed out 36 BEls. oil & 8 BEls. water, Gvty. 40.5 Corr. Recovered below circ. valve 140' salty sulphur water with no show of oil. BT Chart - HI-4660#, HO-4660#, IFP-900#, FFP-1840#. 10 minute BUP-1840#, 20 minute BUP-1880#, 30 minute BUP-2020# had levelled off.
- D.S.T. No. 3 - From 9930' to 9976' Penn. Zone #3 - 4 Hrs. 35 Mins. test, $4\frac{1}{2}$ " DP, $5/8$ " bottom & 1" top chokes for 1st hour & $1/2$ " top choke balance of test, opened tool with strong blow of air, gas to surface in 4 minutes, mud to surface in 22 minutes, oil to surface in 30 minutes. Flowed 70 BEls. oil & no water in 4 Hrs., gas vol. 522,170 CFPD, GOR-1752 based on last hour of test, Gvty. 40.2 Corr. Reversed out 43 BEls. oil & no water, recovered below circulating valve 60' of black salty sulphur water & no oil. BT Chart - HI-4640#, HO-4640#, IFP-620#, FFP-1400#, 10 minute BUP-1840#, 20 minute BUP-1920#, 30 minute BUP-2020# increasing very slightly.
- DST No. 4 - From 9984' to 10,015' Penn Zone #3A - 1 Hr. 21 Mins. test, $4\frac{1}{2}$ " DP, $5/8$ " bottom & 1" top chokes, opened tool with weak blow of air, died in 6 minutes. Closed tool at 12:25 PM & opened at 12:30 PM died instantly. Recovered 106' of drilling mud with no show of oil, gas or formation water. BT Chart - HI-4680#, HO-4680#, IFP-50#, FFP-50#, 10 minute BUP-220#, 20 minute BUP-700#, 30 minute BUP-1080# & had levelled off.

SLOPE TEST DEVIATIONS

177'	$1/4$ Deg.
300'	$1/4$
538'	Straight
1038'	$1/4$
1535'	$1/4$
1814'	$3/4$
2283'	$1/4$
2797'	1
3359'	2
3570'	$1-3/4$
3638'	$1-3/4$
3920'	2
4070'	$1-1/4$
4370'	$1/4$
4555'	$3/4$
4782'	1
5121'	$3/4$
5469'	$1-1/4$
5782'	$1-1/4$
6088'	$3/4$

SLOPE TEST DEVIATIONS

6370'	$1/2$ Deg.
6576'	Straight
6890'	1
7080'	1
7230'	$1/4$
7444'	$3/4$
7720'	1
8095'	1
8250'	1
8410'	$1-1/4$
8845'	$1-3/4$
9020'	2
9135'	$1-3/4$
9300'	$2-1/4$
9500'	2
9560'	2
9628'	2
9735'	2
9850'	2
9970'	$1-1/4$