

STATE BRIDGES #79DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
233	1	3080	2 3/4
427	3/4	3145	2 1/4
1095	1/4	3195	2
1670	1/2	3320	1 3/4
1990	3/4	3440	2
2450	1	3563	1 3/4
2870	2 3/4	3648	2
2967	2 1/2	3845	1 1/2
2998	2 3/4	4225	1
3028	2 1/2	4644	3/4

ACIDIZING OR OTHER COMPLETION OPERATION

- 11-21-55 Western Company acidized open hole 4681-4731 w/2500 gals 15% XLST, 18 mins, 3.3 BPM, TP 2600-3800#, 5 min SIP 600#, Swabbed 19 BLO (all) in 3 hrs, swabbed 4 BHO + 25 BAW in 9 hrs, LH 1/2 bbl, fair show of gas.
- 11-22-55 Attempted acid job, tubing plugged.
- 11-23-55 Western Company acidized open hole 4681-4731 w/6000 gals 15% SPL, 29 mins, 5.1 BPM, TP 4600# thruout, swabbed 14 BLO + 16 BAW in 2 hrs, 2500' FTH, LH 14 BO, S/O 70% AW, no gas, swabbed 5 BLO (all) + 35 BFO + 45 BAW in 10 hrs, LH 9 bbls, fair show gas.

CORE RECORD

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Rec</u>	<u>Description</u>
1	4681	4695	13'	Dolomite. 4681-4682 dolomite gray dense w/occasional shale partings, NS. 4682-4686 dolomite tan w/10% small vuggy porosity bleeding oil. 4686-4688 gray dense dolomite, NS. 4688-4690 tan dolomite w/5% small vuggy porosity bleeding oil. 4690-4694 gray tan dolomite w/5% small vuggy porosity bleeding oil & gas. 4694-4695 1' lost.
2	4695	4709	14'	Dolomite. Core bbl jammed. Trace to 5% vuggy porosity bleeding oil, scattered anhydrite inclusions.
3	4709	4731	22'	Dolomite tan w/trace of 10% vuggy porosity, scattered inner crystalline porosity, bleeding oil, scattered anhydrite inclusions.

DRILL STEM TESTS

- DST #1 11-4-55 Queens, 3890-3926, open hole, tool set @ 3890, 5/8" x 1" choke, no water cushion, time tested 1 hr, 2 pkrs, gas to surface in 2 mins, est 3430 MCF/day, wet gas to surface in 33 mins, TSTM. Rec 175' heavy oil & gas cut mud + 395' of heavy gas cut mud + 60' of slightly oil & gas cut mud, SFP 300#, BHFP 600#, 18 min SIP 1400#, HH 2185# in & out.
- DST #2 11-5-55 Queens, 3910-3926, open hole, tool set @ 3910, 5/8" x 1" choke, no water cushion, time tested 1 hr 50 mins, gas to surface in 2 mins, est 2320 MCF/day. Rec 450' heavy oil & gas cut mud + 240' slightly oil & heavy gas cut mud, SFP 140#, BHFP 400-470#, 15 min SIP 1400#, HH 2120# in & 2090# out.

Table 1

Continued

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.65	0.48	0	1
Education	12.8	2.1	9	16
Income	45000	15000	20000	80000
Health	0.75	0.43	0	1
Employment	0.85	0.36	0	1
Home Ownership	0.70	0.46	0	1
Vehicle Ownership	0.60	0.49	0	1
Life Satisfaction	4.2	1.5	1	7

Table 2

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.65	0.48	0	1
Education	12.8	2.1	9	16
Income	45000	15000	20000	80000
Health	0.75	0.43	0	1
Employment	0.85	0.36	0	1
Home Ownership	0.70	0.46	0	1
Vehicle Ownership	0.60	0.49	0	1
Life Satisfaction	4.2	1.5	1	7

Table 3

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.65	0.48	0	1
Education	12.8	2.1	9	16
Income	45000	15000	20000	80000
Health	0.75	0.43	0	1
Employment	0.85	0.36	0	1
Home Ownership	0.70	0.46	0	1
Vehicle Ownership	0.60	0.49	0	1
Life Satisfaction	4.2	1.5	1	7

Table 4

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Marital Status	0.65	0.48	0	1
Education	12.8	2.1	9	16
Income	45000	15000	20000	80000
Health	0.75	0.43	0	1
Employment	0.85	0.36	0	1
Home Ownership	0.70	0.46	0	1
Vehicle Ownership	0.60	0.49	0	1
Life Satisfaction	4.2	1.5	1	7