| Weil name: Typical Well Surface Operator: Devon Energy Corporation (Nevada) String type: Surface | | | | | | | | | |
|--|---------------------------------------|-----------------------------------|--|--|----------------------------|---|---|-------------------------------|--|
| Location: | T23 | 3S, R31E, Eddy County, New Mexico | | | | | | | |
| Design parameters: Collapse Mud weight 8.500 ppg Design is based on evacuated pipe. | | | Minimur <u>Collapse</u> Design fa | | ctors: 1.125 | Environment: H2S considered? No Surface temperature: 75 °F Bottom hole temperature: 82 °F Temperature gradient: 0.80 °F/100 | | | |
| | | | <u>Burst:</u> Design factor | | 1.00 | Minimum Section length: 850 ft Minimum Drift: 2.559 in | | | |
| Internal gradient: 0.021 p Calculated BHP 486 p | | | 468 psi 0.021 psi/ft 486 psi 8.50 ppg | Tension: 8 Round STC: 8 Round LTC: Buttress: Premium: Body yield: Tension is based on bu Neutral point: | | 1.80 (J) 1.80 (J) 1.60 (J) 1.50 (J) 1.50 (B) noyed weight. 744 ft | Next mud weight 10 Next setting BHP: | | 4,400 ft 10.000 ppg 2,286 psi 11.000 ppg 850 ft 486 psi |
| | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft [*]) |
| 1 | 850 | 13.375 | 48.00 | H-40 | ST&C | 850 | 850 | 12.59 | 79.8 |
| Run (Seq | Coilap se Load (psi) | Collapse Strength (psi) | Collap se Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | T ens ion Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 375 | 740 | 1.97 | 468 | 1730 | 3.70 | 36 | 322 | 9.01 J |

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Prepared W. M. Frank by: Devon Energy Phone: (405) 552-4595 FAX: (405) 552-4621

Date: November 24,1998 Oklahoma City, Oklahoma

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Remarks:

Collapse is based on a vertical depth of 850 ft, a mud weight of 8.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemier method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

EXHIBIT # 7