

C PANY Mack Energy Corporations  
LEASE & WELL NO. Shugart 18-Queen #5  
FORMATION  
COUNTY & STATE Eddy, NM



RAYMOND MALDONADO  
SUPERVISOR, P & A OPERATIONS  
BUS. (505)393-9171  
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Top salt 700'

8 5/8 725' cmt. w/50 sxs

Base salt 1660'

Perforations 3026-38

4 3/4 3113 cmt. w/150 sxs

#### CONVERSION FACTORS

| MULTIPLY    | By     | TO OBTAIN      |
|-------------|--------|----------------|
| Barrels     | 5.6146 | Cubic Feet     |
| Cubic Feet  | 7.4806 | Gallons        |
| Gallons     | 0.1337 | Cubic Feet     |
| Pounds/gal. | 7.4806 | Pounds/Cu. Ft. |

#### PIPE VOLUMES

|                                       |               |
|---------------------------------------|---------------|
| 0.00545 x I.D. <sup>2</sup> in inches | = Cu. Ft./Ft. |
| 0.0407 x I.D. <sup>2</sup> in inches  | = Gals./Ft.   |
| 0.00097 x I.D. <sup>2</sup> in inches | = Bbls./Ft.   |

#### HYDROSTATIC PRESSURE

|                                |
|--------------------------------|
| FOR WATER:                     |
| 0.434 x Depth in Feet = PSI.   |
| FOR OTHER FLUIDS:              |
| 0.434 x Depth x Sp. Gr. = PSI. |