

IPANY Mack Energy Corporation  
LEASE & WELL NO. Shugart 18-Queen Unit #2  
FORMATION  
COUNTY & STATE Eddy, NM



RAYMOND MALDONADO  
SUPERVISOR, P & A OPERATIONS  
BUS. (505)393-9171  
FAX (505)393-3848  
MOBILE (505)390-0540

Top salt 612'

7 5/8 742' cmt. w/250 sxs

Bottom salt 1721'

Perforations 3090-3102

P.B.T.D. 3123'

4 1/2 3158 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.