

**Plains Unit Federal #7
Lusk (Delaware)
Lea County, New Mexico**

"M" SAND FRAC PROCEDURE

- 1) POOH to $\pm 7,140'$. Set packer @ $\pm 7,140'$. Load 2 7/8" x 5 1/2" annulus. Pressure up to 500 psi on annulus to test packer seals.
- 2) RU Stimulation Co. NU stimulation valve. Test surface lines to 5000 psi.
- 3) Fracture treat the interval 7,240'-7,260' down tubing with 14,300 gal YF 135D GEL, 46,000 lbs 20/40 Ottawa Sand, and 10,000 lbs 20/40 super LC resin-coated sand as follows:

| <u>STAGE</u> | <u>GEL VOLUME, gal</u> | <u>PROP. CONC., ppb</u> |
|--------------|------------------------|-------------------------|
| PAD | 6400 | 0 |
| 2 PPA | 1000 | 2 |
| 4 PPA | 1000 | 4 |
| 6 PPA | 1100 | 6 |
| 8 PPA | 2300 | 8 |
| 10 PPA | 1500 | 10 |
| 10 PPA | 1000 | 10 |
| Flush | 1725 | 0 |

| | |
|------------------------------|-----------|
| Anticipated Treating Rate: | 20 BPM |
| Anticipated Treating Press.: | 3,500 psi |
| Maximum Treating Press.: | 6,000 psi |

Record ISIP. RDMO Stimulation Co. Leave well shut-in over night.

- 4) ND stimulation valve. Flow back and/or swab to recover load. Release packer and POOH.
- 5) RU reverse unit and power swivel. RIH w/bit for 5 1/2" 17# casing and clean out wellbore to 7,350'. POOH. RD reverse unit and power swivel.

RETURN TO STEP #17 OF THE MAIN PROCEDURE.