

HAPPY OIL COMPANY
TRISTE DRAW FEDERAL #2
660' FWL & 1980' FSL
SEC. 11-T23S-R32E
LEA COUNTY, NEW MEXICO

IN CONJUNCTION WITH FORM 3160-3, APPLICATION FOR PERMIT TO DRILL SUBJECT WELL, HAPPY OIL COMPANY HEREBY SUBMITS THE FOLLOWING ITEMS OF PERTINENT INFORMATION IN ACCORDANCE WITH BLM REQUIREMENTS.

WELL: TRISTE DRAW FEDERAL #2

1. LOCATION: 660' FWL & 1980' FSL, Sec. 11-T23S-R32E, Lea County, New Mexico.
2. ELEVATION OF UNPREPARED GROUND: 3429 GR
3. TAXONOMICAL NAME OF SURFACE FORMATION: Haplargids-torripsammments
4. TYPE OF DRILLING TOOLS: Rotary
5. PROPOSED DRILLING DEPTH: 12,000'
6. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Red Beds: 600'
Rustler: 1225'
Lamar: 4700'

Delaware Sands: 4750'
Bone Spring: 8520'

7. ESTIMATED DEPTHS AT WHICH ANTICIPATED OIL AND GAS FORMATIONS ARE TO BE EXPECTED:

8620' - 12,000'

8. CASING PROGRAM AND SETTING DEPTHS:

	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SETTING DEPTH</u>
Surface	13 3/8	48#	H-40	650'
Intermediate	8 5/8	32#	K-55	4600'
Production	5 1/2	17#	N-80	12000'

9. CASING DEPTH AND CEMENTING PROGRAM:

- A. Surface casing will be 13 3/8" casing set at 650' and cemented with 680sx class "C" + 2% CaCL₂.
- B. Intermediate casing will be 8 5/8" Csg set at 4600' and cemented with 1500sx "lite" cement and 300sx class "C".
- C. Production Csg will be 5 1/2" casing set at 12,000' and cemented across all potentially productive zones with the estimated top of cement at 4000'.

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