

H H Duell #1 Proposed WBD



| Details | | DEPTH | WELLBORE | DEPTH | Details |
|--|--|-------|----------|-------|--|
| *Cement is Class G 1.15 cu ft/sk yield 15.8# *OH assume 20% cement loss | | | | Surf | Top off cement |
| <div>Existing Cement</div> <div>New Cement</div> | | | | | |
| 10-3/4" Surface Casing: 200 sx cement to surface) | | 320 | | 350 | 175sx Cement Plug |
| | | | | | Surface shoe and surface Isolation (370' plug) |
| 105sx Cement Plug Fox Hills Isolation (300' plug) | | 352 | | | |
| | | 652 | | | |
| 105sx Cement Plug Upper Pierre Isolation (300' plug) | | 1,630 | | | |
| | | 1,930 | | | |
| 70sx Cement Plug (200' plug) | | 3,334 | | | |
| | | 3,634 | | | |
| 70sx Cement Plug Niobrara Isolation (200' plug) | | 6,206 | | | |
| | | 6,406 | | | |
| | | | | 7153 | Est top Plug 3 |
| | | | | 7303 | 60sx balance plug |
| | | | | 7455 | Est top Plug 4 |
| 7-7/8" Production Hole TD: | | 7,524 | | 7520 | 45sx balance plug |

WELL: H H Duell #1

LOCATION: SESW Sec 1 8N 61W
330 FSL 2313 FWL
40.684846 / -104.154310

FORMATION: J SAND 5/9/1952 Dry Hole

API #: 05-123-05585

Field: WILDCAT - #99999

CURRENT STATUS: 5/9/1952 DA

Spud: 3/25/1952

Casing and Tubular Data

| Type | Size | Weight | Top | Bottom | Hole Size | Assumption |
|-----------|---------|----------|-----|--------|-----------|------------|
| Surface | 10 6/8" | 14.5 ppf | 0 | 320' | unk | 12-1/4" |
| Open Hole | unk | n/a | 0 | 7,524' | unk | 7-7/8" |

Elevation Data

| | | |
|------------|------|------|
| GL | 5011 | feet |
| KB | 5021 | feet |
| Difference | 10 | feet |

Formation Tops Data

| Formation | Depth | |
|----------------------|-------|----|
| Base of Fox Hills | 602 | MD |
| Base of Upper Pierre | 1,880 | MD |
| Parkman | 3,584 | MD |
| Shannon | 5,131 | MD |
| Niobrara | 6,356 | MD |
| Codell | 6,657 | MD |
| D Sand | 7,097 | MD |
| J Sand | 7,167 | MD |