

Bucher #1 Proposed WBD



DESCRIPTION DEPTH WELLBORE

8-5/8" Surface Casing:
(cement to surface) 138'

200' Cement to Surface
75sx Class G Neat

300' 150sx Cement Plug (15.8# Class G Neat)
600' Fox Hills Plug

1400' 125sx Cement Plug (15.8# Class G Neat)
1650' Pierre Shale Plug

2400' 50sx Cement Plug (15.8# Class G Neat)
2500' "Courtesy" Plug

Cut-Off Casing 5723'
5-1/2" 15.5#

5450' 125sx Cement Plug (15.8# Class G Neat)
Set on top of cut-off

TOC (estimated) 6,032'

J-Sand Perforations:
6866'-6874'

6850' Casing loaded with sand across perfs
6950'-6850'

5-1/2" Production Casing:
(7-7/8" Hole) 6,938'

6,938' TD

WELL: Bucher #1

LOCATION: NWNW 1 9N 59W
660 FNL 660FWL (Planned)
40.785394°N, -103.933898°E

FORMATION: JSND 10/16/1974

API #: 05-123-07906

Field: IGO Creek

CURRENT STATUS: DA

Spud: 11/4/1973
 P&A: 10/16/1974

Casing and Tubular Data

| Type | Size | Weight | Top | Bottom | Hole Size |
|-------------------|--------|----------|--------|--------|-----------|
| Surface | 8-5/8" | 23 ppf | 0 | 138' | 12-1/4" |
| Top Production | 5-1/2" | 20.0 ppf | 0 | 1,600' | 7-7/8" |
| Middle Production | 5-1/2" | 17.0 ppf | 1,600' | 3,000' | 7-7/8" |
| Bottom Production | 5-1/2" | 15.5 ppf | 3,000' | 6,938' | 7-7/8" |

Elevation Data

| | | |
|------------|------|------|
| GL | 5003 | feet |
| KB | 5008 | feet |
| Difference | 5 | feet |

Formation Tops Data

| Formation | Depth | |
|----------------------|-------|----|
| Base of Fox Hills | 524' | MD |
| Base of Upper Pierre | 1542' | MD |
| Sussex | 4083 | MD |
| Niobrara | 5960' | MD |
| D Sand | 6752' | MD |
| J Sand | 6842' | MD |