

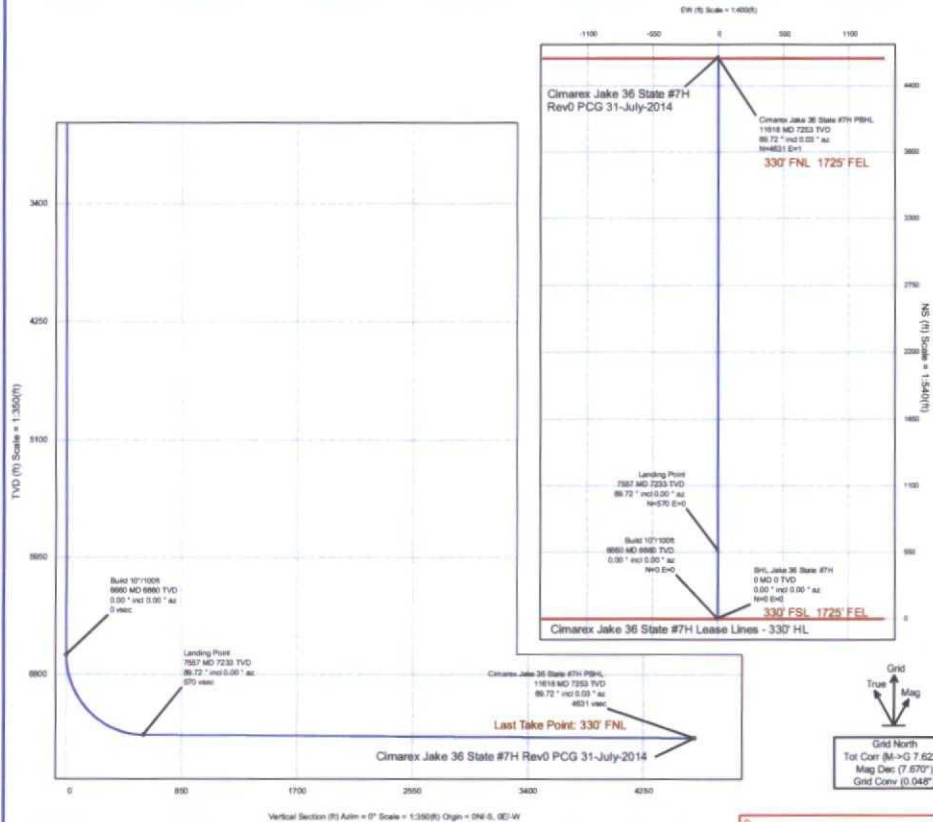


Cimarex

Rev0

PATHFINDER  
A Schlumberger Company

|                                                                                                                                                          |                            |                                                                                                                                                                                                     |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Borehole:<br>Original Borehole                                                                                                                           | Well:<br>Jake 36 State #7H | Field:<br>NM Eddy County                                                                                                                                                                            | Structure: |
| Geology & Magnetic Parameters<br>Model: 800M 2014 Dip: 58.89° Date: 31-Jul-2014<br>MagDec: 7.67° PS: 48100.67mT Gravity PS: 988.42mgals (S: 80860 Gauss) |                            | Surface Location: NAD83 New Mexico State Plane, Eastern Zone, US Feet<br>Lat: N 32 10 2.57 Nothing 424588.98US Grid Cont: 0.047°<br>Lon: W 104 14 36.91 Easting: 589107.58US Scale Fact: 0.99999997 |            |
| Miscellaneous<br>Bore: Jake 36 State #7H TVD Ref: Ground Level: 3585 ft above<br>Plan: Rev0 PCG 31-July-2014                                             |                            |                                                                                                                                                                                                     |            |



| Critical Points                |          |       |      |         |         |         |        |       |
|--------------------------------|----------|-------|------|---------|---------|---------|--------|-------|
| Critical Point                 | MD       | INCL  | AZIM | TVD     | VSEC    | W-1(PS) | W-1(W) | DL S  |
| Marker Mudline                 | 0.00     | 0.00  | 0.00 | 0.00    | 0.00    | 0.00    | 0.00   | 0.00  |
| SHL Jake 36 State #7H          | 0.00     | 0.00  | 0.00 | 0.00    | 0.00    | 0.00    | 0.00   | 0.00  |
| Build 1071008                  | 9880.01  | 0.00  | 0.00 | 9880.01 | 0.00    | 0.00    | 0.00   | 0.00  |
| Landing Point                  | 7557.28  | 88.72 | 0.00 | 7233.50 | 570.29  | 070.26  | 0.00   | 10.00 |
| Cimarex Jake 36 State #7H PSHL | 11918.25 | 88.72 | 0.00 | 7203.50 | 4631.13 | 4631.13 | 1.10   | 0.00  |

|                 |                                                 |
|-----------------|-------------------------------------------------|
| CONTROLLED      |                                                 |
| Plan ref        | Cimarex Jake 36 State #7H Rev0 PCG 31-July-2014 |
| Drawing ref     |                                                 |
| Copy number     | of 3                                            |
| Date            | 31-Jul-2014                                     |
| 1               | Originator                                      |
| 2               | DE Sign Off Authority                           |
| 3               | DSM Line Manager                                |
| 4               | Client                                          |
| Copy number for |                                                 |