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## **Mack Energy**

Lea County  
State GS 16  
#2  
S-Well

Plan: Plan #1

## **Pathfinder X & Y Planning Report**

18 October, 2010

**PATHFINDER<sup>®</sup>**  
A Schlumberger Company



**Pathfinder**  
Pathfinder X & Y Planning Report



|                  |             |                                     |                                       |
|------------------|-------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Mack Energy | <b>Local Co-ordinate Reference:</b> | Well #2                               |
| <b>Project:</b>  | Lea County  | <b>TVD Reference:</b>               | WELL @ 4080.00ft (Original Well Elev) |
| <b>Site:</b>     | State GS 16 | <b>MD Reference:</b>                | WELL @ 4080.00ft (Original Well Elev) |
| <b>Well:</b>     | #2          | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | S-Well      | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Plan #1     | <b>Database:</b>                    | Midland Database                      |

|                     |                                      |               |                |
|---------------------|--------------------------------------|---------------|----------------|
| Project: Lea County |                                      |               |                |
| Map System:         | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:          | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:           | New Mexico East 3001                 |               |                |

|                       |  |         |  |              |  |                |  |                   |  |                   |  |
|-----------------------|--|---------|--|--------------|--|----------------|--|-------------------|--|-------------------|--|
| Site                  |  |         |  |              |  | State GS 16    |  |                   |  |                   |  |
| Site Position:        |  |         |  | Northing:    |  | 666,277.300 ft |  | Latitude:         |  | 32° 49' 45.443 N  |  |
| From:                 |  | Map     |  | Easting:     |  | 737,741.600 ft |  | Longitude:        |  | 103° 33' 33.749 W |  |
| Position Uncertainty: |  | 0.00 ft |  | Slot Radius: |  | "              |  | Grid Convergence: |  | 0.42 °            |  |

|                      |       |         |                     |                |               |                   |
|----------------------|-------|---------|---------------------|----------------|---------------|-------------------|
| Well                 |       | #2      |                     |                |               |                   |
| Well Position        | +N/-S | 0.00 ft | Northing:           | 666,277.300 ft | Latitude:     | 32° 49' 45.443 N  |
|                      | +E/-W | 0.00 ft | Easting:            | 737,741.600 ft | Longitude:    | 103° 33' 33.749 W |
| Position Uncertainty |       | 0.00 ft | Wellhead Elevation: | ft             | Ground Level: | 4,061.00 ft       |

|           |            |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore  | S-Well     |             |                 |               |                     |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF200510 | 10/13/10    | 7.69            | 60.79         | 49,077              |

|                |         |
|----------------|---------|
| <b>Design:</b> | Plan #1 |
|----------------|---------|

|                     |               |      |                           |
|---------------------|---------------|------|---------------------------|
| <b>Audit Notes:</b> |               |      |                           |
| <b>Version:</b>     | <b>Phase:</b> | PLAN | <b>Tie On Depth:</b> 0.00 |

|                          |                              |                   |                   |                      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00              | 180.00               |

| Survey Tool Program |            | Date              | 10/18/10  |                |  |
|---------------------|------------|-------------------|-----------|----------------|--|
| From<br>(ft)        | To<br>(ft) | Survey (Wellbore) | Tool Name | Description    |  |
| 0.00                | 8,304.47   | Plan #1 (S-Well)  | MWD       | MWD - Standard |  |



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|           |             |                              |                                       |
|-----------|-------------|------------------------------|---------------------------------------|
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| Project:  | Lea County  | TVD Reference:               | WELL @ 4080.00ft (Original Well Elev) |
| Site:     | State GS 16 | MD Reference:                | WELL @ 4080.00ft (Original Well Elev) |
| Well:     | #2          | North Reference:             | Grid                                  |
| Wellbore: | S-Well      | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Plan #1     | Database:                    | Midland Database                      |

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | EW<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|------------|----------------|-------------------|------------------|-----------------|
| 0.00       | 0.00       | 0.00       | 0.00        | -4,080.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 100.00     | 0.00       | 0.00       | 100.00      | -3,980.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 200.00     | 0.00       | 0.00       | 200.00      | -3,880.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 300.00     | 0.00       | 0.00       | 300.00      | -3,780.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 400.00     | 0.00       | 0.00       | 400.00      | -3,680.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 500.00     | 0.00       | 0.00       | 500.00      | -3,580.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 600.00     | 0.00       | 0.00       | 600.00      | -3,480.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 700.00     | 0.00       | 0.00       | 700.00      | -3,380.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 800.00     | 0.00       | 0.00       | 800.00      | -3,280.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 900.00     | 0.00       | 0.00       | 900.00      | -3,180.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,000.00   | 0.00       | 0.00       | 1,000.00    | -3,080.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,100.00   | 0.00       | 0.00       | 1,100.00    | -2,980.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,200.00   | 0.00       | 0.00       | 1,200.00    | -2,880.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,300.00   | 0.00       | 0.00       | 1,300.00    | -2,780.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,400.00   | 0.00       | 0.00       | 1,400.00    | -2,680.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,500.00   | 0.00       | 0.00       | 1,500.00    | -2,580.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,600.00   | 0.00       | 0.00       | 1,600.00    | -2,480.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,700.00   | 0.00       | 0.00       | 1,700.00    | -2,380.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,800.00   | 0.00       | 0.00       | 1,800.00    | -2,280.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 1,900.00   | 0.00       | 0.00       | 1,900.00    | -2,180.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,000.00   | 0.00       | 0.00       | 2,000.00    | -2,080.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,100.00   | 0.00       | 0.00       | 2,100.00    | -1,980.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,200.00   | 0.00       | 0.00       | 2,200.00    | -1,880.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,300.00   | 0.00       | 0.00       | 2,300.00    | -1,780.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,400.00   | 0.00       | 0.00       | 2,400.00    | -1,680.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,500.00   | 0.00       | 0.00       | 2,500.00    | -1,580.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |
| 2,600.00   | 0.00       | 0.00       | 2,600.00    | -1,480.00     | 0.00        | 0.00       | 0.00           | 0.00              | 666,277.30       | 737,741.60      |



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| Site:     | State GS 16 | MD Reference:                | WELL @ 4080.00ft (Original Well Elev) |
| Well:     | #2          | North Reference:             | Grid                                  |
| Wellbore: | S-Well      | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Plan #1     | Database:                    | Midland Database                      |

| Planned Survey |            |            |             |               |             |             |                |                   |                  |                 |  |
|----------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|--|
| MD<br>(ft)     | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |  |
| 2,700.00       | 0.00       | 0.00       | 2,700.00    | -1,380.00     | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 2,800.00       | 0.00       | 0.00       | 2,800.00    | -1,280.00     | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 2,900.00       | 0.00       | 0.00       | 2,900.00    | -1,180.00     | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,000.00       | 0.00       | 0.00       | 3,000.00    | -1,080.00     | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,100.00       | 0.00       | 0.00       | 3,100.00    | -980.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,200.00       | 0.00       | 0.00       | 3,200.00    | -880.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,300.00       | 0.00       | 0.00       | 3,300.00    | -780.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,400.00       | 0.00       | 0.00       | 3,400.00    | -680.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,500.00       | 0.00       | 0.00       | 3,500.00    | -580.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,600.00       | 0.00       | 0.00       | 3,600.00    | -480.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,700.00       | 0.00       | 0.00       | 3,700.00    | -380.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,800.00       | 0.00       | 0.00       | 3,800.00    | -280.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 3,900.00       | 0.00       | 0.00       | 3,900.00    | -180.00       | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,000.00       | 0.00       | 0.00       | 4,000.00    | -80.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,100.00       | 0.00       | 0.00       | 4,100.00    | 20.00         | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,200.00       | 0.00       | 0.00       | 4,200.00    | 120.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,300.00       | 0.00       | 0.00       | 4,300.00    | 220.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,400.00       | 0.00       | 0.00       | 4,400.00    | 320.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,500.00       | 0.00       | 0.00       | 4,500.00    | 420.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,600.00       | 0.00       | 0.00       | 4,600.00    | 520.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,700.00       | 0.00       | 0.00       | 4,700.00    | 620.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,800.00       | 0.00       | 0.00       | 4,800.00    | 720.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 4,900.00       | 0.00       | 0.00       | 4,900.00    | 820.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,000.00       | 0.00       | 0.00       | 5,000.00    | 920.00        | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,100.00       | 0.00       | 0.00       | 5,100.00    | 1,020.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,200.00       | 0.00       | 0.00       | 5,200.00    | 1,120.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,300.00       | 0.00       | 0.00       | 5,300.00    | 1,220.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |



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|           |             |                              |                                       |
|-----------|-------------|------------------------------|---------------------------------------|
| Company:  | Mack Energy | Local Co-ordinate Reference: | Well #2                               |
| Project:  | Lea County  | TVD Reference:               | WELL @ 4080.00ft (Original Well Elev) |
| Site:     | State GS 16 | MD Reference:                | WELL @ 4080.00ft (Original Well Elev) |
| Well:     | #2          | North Reference:             | Grid                                  |
| Wellbore: | S-Well      | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Plan #1     | Database:                    | Midland Database                      |

| Planned Survey |            |            |             |               |             |             |                |                   |                  |                 |  |
|----------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|--|
| MD<br>(ft)     | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |  |
| 5,400.00       | 0.00       | 0.00       | 5,400.00    | 1,320.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,500.00       | 0.00       | 0.00       | 5,500.00    | 1,420.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,600.00       | 0.00       | 0.00       | 5,600.00    | 1,520.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,700.00       | 0.00       | 0.00       | 5,700.00    | 1,620.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,800.00       | 0.00       | 0.00       | 5,800.00    | 1,720.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 5,900.00       | 0.00       | 0.00       | 5,900.00    | 1,820.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,000.00       | 0.00       | 0.00       | 6,000.00    | 1,920.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,100.00       | 0.00       | 0.00       | 6,100.00    | 2,020.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,200.00       | 0.00       | 0.00       | 6,200.00    | 2,120.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,300.00       | 0.00       | 0.00       | 6,300.00    | 2,220.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,400.00       | 0.00       | 0.00       | 6,400.00    | 2,320.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,500.00       | 0.00       | 0.00       | 6,500.00    | 2,420.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,600.00       | 0.00       | 0.00       | 6,600.00    | 2,520.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,660.00       | 0.00       | 0.00       | 6,660.00    | 2,580.00      | 0.00        | 0.00        | 0.00           | 0.00              | 666,277.30       | 737,741.60      |  |
| 6,700.00       | 0.80       | 180.00     | 6,700.00    | 2,620.00      | -0.28       | 0.00        | 0.28           | 2.00              | 666,277.02       | 737,741.60      |  |
| 6,800.00       | 2.80       | 180.00     | 6,799.94    | 2,719.94      | -3.42       | 0.00        | 3.42           | 2.00              | 666,273.88       | 737,741.60      |  |
| 6,909.13       | 4.98       | 180.00     | 6,908.82    | 2,828.82      | -10.83      | 0.00        | 10.83          | 2.00              | 666,266.47       | 737,741.60      |  |
| 7,000.00       | 4.98       | 180.00     | 6,999.34    | 2,919.34      | -18.72      | 0.00        | 18.72          | 0.00              | 666,258.58       | 737,741.60      |  |
| 7,100.00       | 4.98       | 180.00     | 7,098.96    | 3,018.96      | -27.40      | 0.00        | 27.40          | 0.00              | 666,249.90       | 737,741.60      |  |
| 7,200.00       | 4.98       | 180.00     | 7,198.59    | 3,118.59      | -36.09      | 0.00        | 36.09          | 0.00              | 666,241.21       | 737,741.60      |  |
| 7,300.00       | 4.98       | 180.00     | 7,298.21    | 3,218.21      | -44.77      | 0.00        | 44.77          | 0.00              | 666,232.53       | 737,741.60      |  |
| 7,400.00       | 4.98       | 180.00     | 7,397.83    | 3,317.83      | -53.46      | 0.00        | 53.46          | 0.00              | 666,223.84       | 737,741.60      |  |
| 7,500.00       | 4.98       | 180.00     | 7,497.45    | 3,417.45      | -62.14      | 0.00        | 62.14          | 0.00              | 666,215.16       | 737,741.60      |  |
| 7,600.00       | 4.98       | 180.00     | 7,597.08    | 3,517.08      | -70.83      | 0.00        | 70.83          | 0.00              | 666,206.47       | 737,741.60      |  |
| 7,700.00       | 4.98       | 180.00     | 7,696.70    | 3,616.70      | -79.52      | 0.00        | 79.52          | 0.00              | 666,197.78       | 737,741.60      |  |
| 7,800.00       | 4.98       | 180.00     | 7,796.32    | 3,716.32      | -88.20      | 0.00        | 88.20          | 0.00              | 666,189.10       | 737,741.60      |  |
| 7,900.00       | 4.98       | 180.00     | 7,895.94    | 3,815.94      | -96.89      | 0.00        | 96.89          | 0.00              | 666,180.41       | 737,741.60      |  |



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|           |             |                              |                                       |
|-----------|-------------|------------------------------|---------------------------------------|
| Company:  | Mack Energy | Local Co-ordinate Reference: | Well #2                               |
| Project:  | Lea County  | TVD Reference:               | WELL @ 4080.00ft (Original Well Elev) |
| Site:     | State GS 16 | MD Reference:                | WELL @ 4080.00ft (Original Well Elev) |
| Well:     | #2          | North Reference:             | Grid                                  |
| Wellbore: | S-Well      | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Plan #1     | Database:                    | Midland Database                      |

| Planned Survey |            |            |             |               |             |             |                |                   |                  |                 |  |
|----------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|--|
| MD<br>(ft)     | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |  |
| 7,926.34       | 4.98       | 180.00     | 7,922.18    | 3,842.18      | -99.17      | 0.00        | 99.17          | 0.00              | 666,178.13       | 737,741.60      |  |
| 8,000.00       | 3.51       | 180.00     | 7,995.64    | 3,915.64      | -104.63     | 0.00        | 104.63         | 2.00              | 666,172.67       | 737,741.60      |  |
| 8,100.00       | 1.51       | 180.00     | 8,095.54    | 4,015.54      | -109.01     | 0.00        | 109.01         | 2.00              | 666,168.29       | 737,741.60      |  |
| 8,175.47       | 0.00       | 0.00       | 8,171.00    | 4,091.00      | -110.00     | 0.00        | 110.00         | 2.00              | 666,167.30       | 737,741.60      |  |
| 8,200.00       | 0.00       | 0.00       | 8,195.53    | 4,115.53      | -110.00     | 0.00        | 110.00         | 0.00              | 666,167.30       | 737,741.60      |  |
| 8,304.47       | 0.00       | 0.00       | 8,300.00    | 4,220.00      | -110.00     | 0.00        | 110.00         | 0.00              | 666,167.30       | 737,741.60      |  |

| Targets                   |                  |                 |             |               |               |                  |                 |                                    |  |
|---------------------------|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|------------------------------------|--|
| Target Name               | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Northing<br>(ft) | Easting<br>(ft) | Latitude<br>Longitude              |  |
| - hit/miss target         |                  |                 |             |               |               |                  |                 |                                    |  |
| - Shape                   |                  |                 |             |               |               |                  |                 |                                    |  |
| TGT PT @ KOP              | 0.00             | 0.00            | 8,171.00    | -110.00       | 0.00          | 666,167.300      | 737,741.600     | 32° 49' 44.355 N 103° 33' 33.759 W |  |
| - plan hits target center |                  |                 |             |               |               |                  |                 |                                    |  |
| - Point                   |                  |                 |             |               |               |                  |                 |                                    |  |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|