

RCVD APR 6 '10
OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)
SEC 21-T28N-R6W
SJ 28-6 #125M
WAN.CDR.9082
Original Hole

Survey: Actual

Standard Survey Report

17 February, 2010

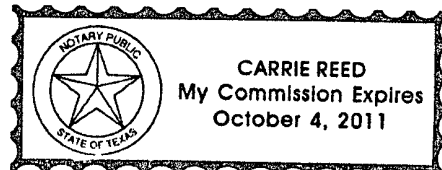
This survey is correct to the best of my knowledge and is supported by actual field data.

Shekston

Notorized this date 17th of February, 2010.

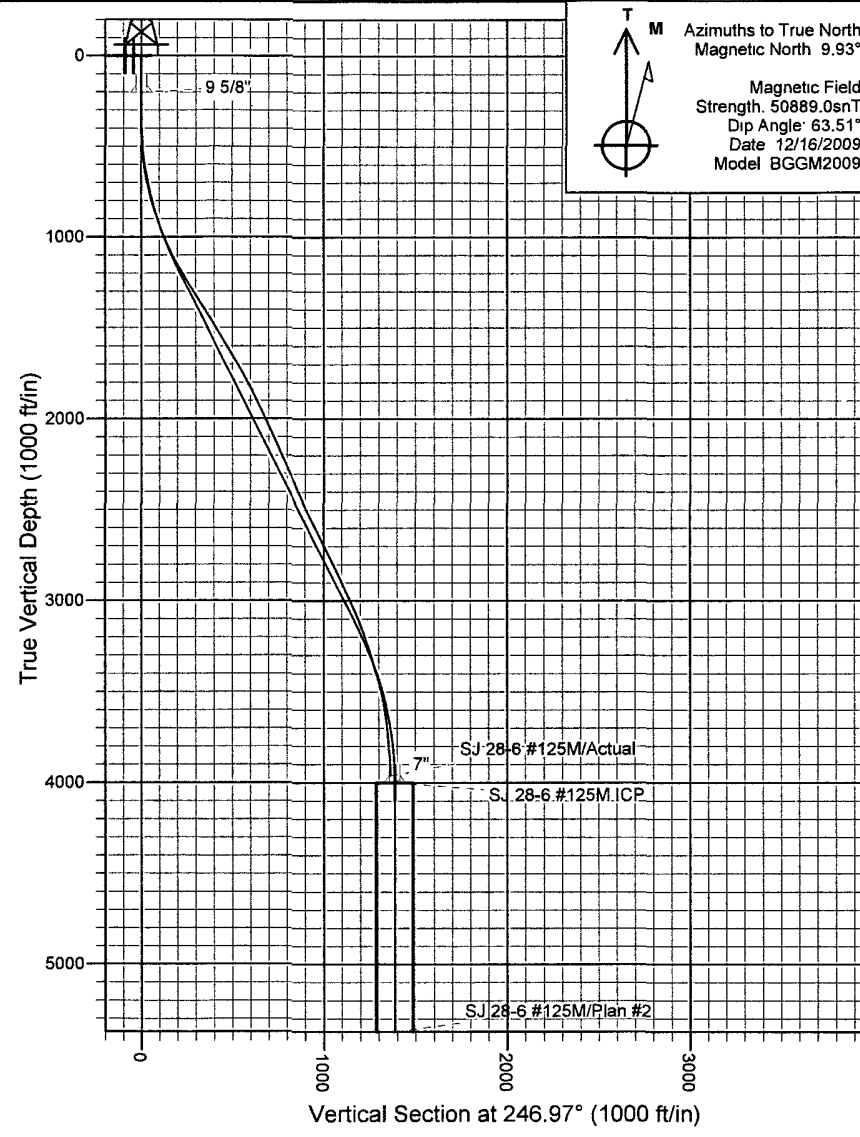
Carrie Reed

Notary Signature
County of Midland
State of Texas





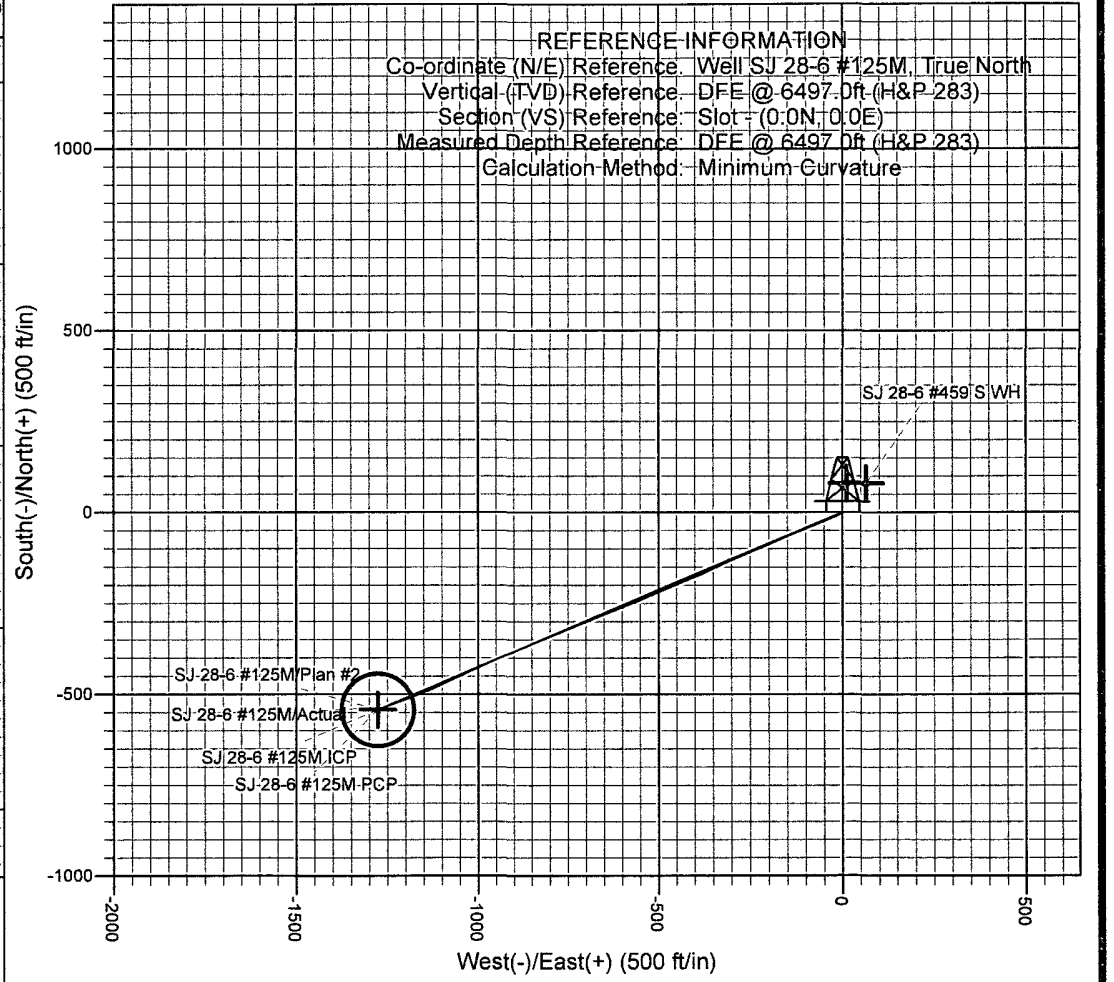
Project: SJB (NM Central)
 Site: SEC 21-T28N-R6W
 Well: SJ 28-6 #125M
 Wellbore: Original Hole
 Design: Plan #2



T
 M
 Azimuths to True North
 Magnetic North 9.93°
 Magnetic Field
 Strength: 50889.0snT
 Dip Angle: 63.51°
 Date: 12/16/2009
 Model: BGGM2009

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|-----------|------------------|-------------------|------|
| 0.0 | 0.0 | 2055625.71 | 143186.50 | 36° 38' 35.743 N | 107° 27' 58.450 W | |

WELL DETAILS: SJ 28-6 #125M
 DFE @ 6497.0ft (H&P 283)
 Ground Level: 6481.0
 Easting
 Latitude
 Longitude



REFERENCE INFORMATION
 Co-ordinate (N/E) Reference: Well SJ 28-6 #125M, True North
 Vertical (TVD) Reference: DFE @ 6497.0ft (H&P 283)
 Section (VS) Reference: Slot = (0.0N, 0.0E)
 Measured Depth Reference: DFE @ 6497.0ft (H&P 283)
 Calculation Method: Minimum Curvature

COMPANY DETAILS: ConocoPhillips
 Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Combined Covariances
 Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM Central)
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico Central 3002
 System Datum: Mean Sea Level

SITE DETAILS: SEC 21-T28N-R6W
 Rio Arriba County NM
 Site Centre Latitude: 36° 39' 6.308 N
 Longitude: 107° 28' 1.617 W
 Positional Uncertainty: 0.0
 Convergence: -0.73
 Local North: True

Scientific Drilling International, Inc.

Survey Report

| | | | |
|------------------|------------------|-------------------------------------|--------------------------|
| Company: | ConocoPhillips | Local Co-ordinate Reference: | Well SJ 28-6 #125M |
| Project: | SJB (NM Central) | TVD Reference: | DFE @ 6497.0ft (H&P 283) |
| Site: | SEC 21-T28N-R6W | MD Reference: | DFE @ 6497.0ft (H&P 283) |
| Well: | SJ 28-6 #125M | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | edmCOP |

| | | | |
|--|--------------------------------------|----------------------|-----------------------------|
| Project: SJB (NM Central), New Mexico, S-Type MV/DK Wells | | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | Using Well Reference Point |
| Map Zone: | New Mexico Central 3002 | | Using geodetic scale factor |

| | | | |
|------------------------------|----------|--------------------------|------------------|
| Site: SEC 21-T28N-R6W | | | |
| Site Position: | | Northing: | 2,058,719.88 ft |
| From: | Lat/Long | Easting: | 142,967.57 ft |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 6-1/8" |
| | | Latitude: | 36° 39' 6.308 N |
| | | Longitude: | 107° 28' 1.617 W |
| | | Grid Convergence: | -0.73 ° |

| | | | |
|---|--------|----------------------------|----------------------|
| Well: SJ 28-6 #125M, S-Type MV/DK Well | | | |
| Well Position | +N/-S | 0.0 ft | Northing: |
| | +E/-W | 0.0 ft | 2,055,625.71 ft |
| | | | Latitude: |
| | | | 36° 38' 35.743 N |
| | | | Longitude: |
| | | | 107° 27' 58.450 W |
| Position Uncertainty | 3.5 ft | Wellhead Elevation: | ft |
| | | | Ground Level: |
| | | | 6,481.0 ft |

| | | | |
|--------------------------------|-------------------|--------------------|-----------------------|
| Wellbore: Original Hole | | | |
| Magnetics | Model Name | Sample Date | Declination |
| | BGGM2009 | 12/16/2009 | (°) |
| | | | 9.93 |
| | | | Dip Angle |
| | | | (°) |
| | | | 63.51 |
| | | | Field Strength |
| | | | (nT) |
| | | | 50,889 |

| | | | |
|------------------------------|-------------------------|----------------------|------------------|
| Design: Original Hole | | | |
| Audit Notes: | | | |
| Version: | 1.0 | Phase: | ACTUAL |
| | | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W |
| | (ft) | (ft) | (ft) |
| | 0.0 | 0.0 | 0.0 |
| | | | Direction |
| | | | (°) |
| | | | 246.95 |

| | | | |
|-----------------------|-----------|--------------------------|--------------------------|
| Survey Program | | Date: 2/17/2010 | |
| From | To | Survey (Wellbore) | Tool Name |
| (ft) | (ft) | | |
| 266.0 | 4,258.0 | Actual (Original Hole) | MWD SDI |
| | | | Description |
| | | | MWD - Standard ver 1.0.1 |

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 266.0 | 0.97 | 65.71 | 266.0 | 0.9 | 2.1 | -2.3 | 0.36 | 0.36 | 0.00 |
| 296.0 | 0.88 | 73.63 | 296.0 | 1.1 | 2.5 | -2.7 | 0.52 | -0.30 | 26.40 |
| 327.0 | 0.54 | 88.32 | 327.0 | 1.2 | 2.9 | -3.1 | 1.24 | -1.10 | 47.39 |
| 357.0 | 0.57 | 200.10 | 357.0 | 1.0 | 3.0 | -3.1 | 3.06 | 0.10 | 372.60 |
| 388.0 | 1.30 | 222.23 | 388.0 | 0.6 | 2.7 | -2.7 | 2.58 | 2.35 | 71.39 |
| 419.0 | 2.45 | 233.00 | 419.0 | 0.0 | 1.9 | -1.7 | 3.86 | 3.71 | 34.74 |
| 450.0 | 3.68 | 238.99 | 449.9 | -0.9 | 0.5 | -0.1 | 4.09 | 3.97 | 19.32 |
| 480.0 | 4.54 | 241.31 | 479.8 | -2.0 | -1.3 | 2.0 | 2.92 | 2.87 | 7.73 |
| 510.0 | 5.50 | 240.66 | 509.7 | -3.3 | -3.6 | 4.6 | 3.21 | 3.20 | -2.17 |
| 540.0 | 6.34 | 241.97 | 539.6 | -4.8 | -6.3 | 7.7 | 2.84 | 2.80 | 4.37 |
| 571.0 | 7.34 | 243.83 | 570.3 | -6.4 | -9.6 | 11.4 | 3.30 | 3.23 | 6.00 |
| 602.0 | 8.67 | 243.99 | 601.0 | -8.3 | -13.5 | 15.7 | 4.29 | 4.29 | 0.52 |

Scientific Drilling International, Inc.

Survey Report

| | | | |
|------------------|------------------|-------------------------------------|--------------------------|
| Company: | ConocoPhillips | Local Co-ordinate Reference: | Well SJ 28-6 #125M |
| Project: | SJB (NM Central) | TVD Reference: | DFE @ 6497.0ft (H&P 283) |
| Site: | SEC 21-T28N-R6W | MD Reference: | DFE @ 6497 0ft (H&P 283) |
| Well: | SJ 28-6 #125M | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | edmCOP |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 633.0 | 9.71 | 244.70 | 631.6 | -10.5 | -18.0 | 20.6 | 3.37 | 3.35 | 2.29 | |
| 664.0 | 10.75 | 246.22 | 662.1 | -12.8 | -23.0 | 26.1 | 3.47 | 3.35 | 4.90 | |
| 694.0 | 11.76 | 247.83 | 691.6 | -15.1 | -28.4 | 32.0 | 3.53 | 3.37 | 5.37 | |
| 724.0 | 12.90 | 247.47 | 720.9 | -17.5 | -34.3 | 38.4 | 3.81 | 3.80 | -1.20 | |
| 754.0 | 13.81 | 247.92 | 750.1 | -20.1 | -40.7 | 45.3 | 3.05 | 3.03 | 1.50 | |
| 784.0 | 14.98 | 248.88 | 779.1 | -22.9 | -47.6 | 52.8 | 3.98 | 3.90 | 3.20 | |
| 832.0 | 16.57 | 248.03 | 825.3 | -27.7 | -59.8 | 65.8 | 3.35 | 3.31 | -1.77 | |
| 877.0 | 17.55 | 246.81 | 868.3 | -32.7 | -72.0 | 79.0 | 2.32 | 2.18 | -2.71 | |
| 922.0 | 18.75 | 246.52 | 911.1 | -38.3 | -84.8 | 93.1 | 2.67 | 2.67 | -0.64 | |
| 967.0 | 20.54 | 247.84 | 953.5 | -44.1 | -98.8 | 108.2 | 4.10 | 3.98 | 2.93 | |
| 1,012.0 | 22.26 | 247.01 | 995.4 | -50.4 | -113.9 | 124.6 | 3.88 | 3.82 | -1.84 | |
| 1,057.0 | 23.86 | 246.81 | 1,036.8 | -57.4 | -130.2 | 142.2 | 3.56 | 3.56 | -0.44 | |
| 1,102.0 | 25.70 | 247.20 | 1,077.6 | -64.7 | -147.5 | 161.1 | 4.10 | 4.09 | 0.87 | |
| 1,147.0 | 26.95 | 246.05 | 1,118.0 | -72.6 | -165.8 | 181.0 | 3.00 | 2.78 | -2.56 | |
| 1,192.0 | 28.39 | 246.22 | 1,157.8 | -81.1 | -184.9 | 201.9 | 3.20 | 3.20 | 0.38 | |
| 1,237.0 | 30.25 | 246.62 | 1,197.0 | -89.9 | -205.1 | 224.0 | 4.16 | 4.13 | 0.89 | |
| 1,282.0 | 31.84 | 246.11 | 1,235.6 | -99.2 | -226.4 | 247.2 | 3.58 | 3.53 | -1.13 | |
| 1,327.0 | 31.49 | 246.77 | 1,273.9 | -108.7 | -248.1 | 270.8 | 1.09 | -0.78 | 1.47 | |
| 1,372.0 | 32.04 | 246.17 | 1,312.2 | -118.1 | -269.8 | 294.5 | 1.41 | 1.22 | -1.33 | |
| 1,417.0 | 32.45 | 245.63 | 1,350.2 | -127.9 | -291.7 | 318.5 | 1.11 | 0.91 | -1.20 | |
| 1,462.0 | 32.42 | 245.76 | 1,388.2 | -137.9 | -313.7 | 342.6 | 0.17 | -0.07 | 0.29 | |
| 1,507.0 | 31.41 | 245.74 | 1,426.4 | -147.6 | -335.4 | 366.4 | 2.24 | -2.24 | -0.04 | |
| 1,552.0 | 31.70 | 244.94 | 1,464.7 | -157.5 | -356.8 | 389.9 | 1.13 | 0.64 | -1.78 | |
| 1,597.0 | 32.18 | 244.83 | 1,502.9 | -167.6 | -378.3 | 413.7 | 1.07 | 1.07 | -0.24 | |
| 1,642.0 | 30.96 | 246.11 | 1,541.3 | -177.3 | -399.8 | 437.3 | 3.09 | -2.71 | 2.84 | |
| 1,687.0 | 30.01 | 247.52 | 1,580.0 | -186.3 | -420.7 | 460.1 | 2.64 | -2.11 | 3.13 | |
| 1,732.0 | 30.16 | 247.74 | 1,619.0 | -194.9 | -441.6 | 482.7 | 0.41 | 0.33 | 0.49 | |
| 1,777.0 | 30.55 | 246.74 | 1,657.8 | -203.7 | -462.6 | 505.4 | 1.42 | 0.87 | -2.22 | |
| 1,822.0 | 29.52 | 247.53 | 1,696.8 | -212.5 | -483.3 | 527.9 | 2.45 | -2.29 | 1.76 | |
| 1,867.0 | 29.26 | 247.19 | 1,736.0 | -221.0 | -503.7 | 550.0 | 0.69 | -0.58 | -0.76 | |
| 1,912.0 | 29.21 | 247.32 | 1,775.3 | -229.5 | -524.0 | 572.0 | 0.18 | -0.11 | 0.29 | |
| 1,957.0 | 27.58 | 246.70 | 1,814.8 | -237.8 | -543.7 | 593.4 | 3.68 | -3.62 | -1.38 | |
| 2,002.0 | 25.97 | 248.21 | 1,855.0 | -245.6 | -562.4 | 613.7 | 3.88 | -3.58 | 3.36 | |
| 2,047.0 | 25.16 | 247.97 | 1,895.6 | -252.9 | -580.4 | 633.1 | 1.81 | -1.80 | -0.53 | |
| 2,092.0 | 25.23 | 248.50 | 1,936.3 | -260.0 | -598.2 | 652.2 | 0.52 | 0.16 | 1.18 | |
| 2,137.0 | 25.58 | 248.78 | 1,977.0 | -267.0 | -616.2 | 671.5 | 0.82 | 0.78 | 0.62 | |
| 2,182.0 | 24.67 | 247.76 | 2,017.7 | -274.1 | -633.9 | 690.6 | 2.24 | -2.02 | -2.27 | |
| 2,227.0 | 24.02 | 248.19 | 2,058.7 | -281.0 | -651.1 | 709.2 | 1.50 | -1.44 | 0.96 | |
| 2,272.0 | 24.17 | 247.09 | 2,099.8 | -288.0 | -668.1 | 727.5 | 1.05 | 0.33 | -2.44 | |
| 2,317.0 | 24.20 | 247.32 | 2,140.8 | -295.1 | -685.1 | 746.0 | 0.22 | 0.07 | 0.51 | |
| 2,362.0 | 24.07 | 247.51 | 2,181.9 | -302.2 | -702.1 | 764.4 | 0.34 | -0.29 | 0.42 | |
| 2,407.0 | 24.22 | 247.95 | 2,223.0 | -309.2 | -719.1 | 782.8 | 0.52 | 0.33 | 0.98 | |
| 2,452.0 | 23.68 | 248.95 | 2,264.1 | -315.9 | -736.1 | 801.0 | 1.50 | -1.20 | 2.22 | |
| 2,497.0 | 23.53 | 248.50 | 2,305.3 | -322.4 | -752.9 | 819.0 | 0.52 | -0.33 | -1.00 | |
| 2,542.0 | 23.60 | 247.69 | 2,346.6 | -329.1 | -769.6 | 837.0 | 0.74 | 0.16 | -1.80 | |
| 2,587.0 | 23.94 | 248.12 | 2,387.8 | -336.0 | -786.4 | 855.2 | 0.85 | 0.76 | 0.96 | |
| 2,632.0 | 24.51 | 248.28 | 2,428.8 | -342.8 | -803.6 | 873.6 | 1.28 | 1.27 | 0.36 | |
| 2,677.0 | 25.02 | 248.21 | 2,469.7 | -349.8 | -821.1 | 892.5 | 1.14 | 1.13 | -0.16 | |
| 2,722.0 | 25.43 | 248.15 | 2,510.4 | -356.9 | -838.9 | 911.6 | 0.91 | 0.91 | -0.13 | |
| 2,767.0 | 25.91 | 247.45 | 2,550.9 | -364.3 | -856.9 | 931.1 | 1.26 | 1.07 | -1.56 | |
| 2,812.0 | 26.79 | 246.44 | 2,591.3 | -372.1 | -875.3 | 951.1 | 2.19 | 1.96 | -2.24 | |
| 2,857.0 | 27.32 | 246.40 | 2,631.3 | -380.3 | -894.0 | 971.6 | 1.18 | 1.18 | -0.09 | |
| 2,901.0 | 26.69 | 247.07 | 2,670.5 | -388.2 | -912.4 | 991.6 | 1.59 | -1.43 | 1.52 | |
| 2,946.0 | 25.52 | 246.63 | 2,710.9 | -396.0 | -930.6 | 1,011.4 | 2.64 | -2.60 | -0.98 | |

Scientific Drilling International, Inc.

Survey Report

| | | | |
|------------------|------------------|-------------------------------------|--------------------------|
| Company: | ConocoPhillips | Local Co-ordinate Reference: | Well SJ 28-6 #125M |
| Project: | SJB (NM Central) | TVD Reference: | DFE @ 6497.0ft (H&P 283) |
| Site: | SEC 21-T28N-R6W | MD Reference: | DFE @ 6497.0ft (H&P 283) |
| Well: | SJ 28-6 #125M | North Reference: | True |
| Wellbore: | Original Hole | Survey Calculation Method: | Minimum Curvature |
| Design: | Original Hole | Database: | edmCOP |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 2,991.0 | 25.33 | 246.35 | 2,751.6 | -403.7 | -948.3 | 1,030.7 | 0.50 | -0.42 | -0.62 | |
| 3,081.0 | 25.08 | 245.80 | 2,833.0 | -419.2 | -983.4 | 1,069.0 | 0.38 | -0.28 | -0.61 | |
| 3,171.0 | 25.01 | 244.14 | 2,914.5 | -435.4 | -1,017.9 | 1,107.1 | 0.78 | -0.08 | -1.84 | |
| 3,261.0 | 23.99 | 246.51 | 2,996.4 | -451.0 | -1,051.8 | 1,144.4 | 1.57 | -1.13 | 2.63 | |
| 3,351.0 | 22.77 | 245.07 | 3,079.1 | -465.6 | -1,084.4 | 1,180.1 | 1.50 | -1.36 | -1.60 | |
| 3,396.0 | 21.57 | 244.35 | 3,120.7 | -472.8 | -1,099.7 | 1,197.0 | 2.73 | -2.67 | -1.60 | |
| 3,441.0 | 19.48 | 246.69 | 3,162.9 | -479.4 | -1,114.1 | 1,212.8 | 4.99 | -4.64 | 5.20 | |
| 3,486.0 | 18.18 | 249.08 | 3,205.5 | -484.9 | -1,127.5 | 1,227.3 | 3.36 | -2.89 | 5.31 | |
| 3,531.0 | 17.25 | 247.26 | 3,248.3 | -490.0 | -1,140.2 | 1,241.0 | 2.41 | -2.07 | -4.04 | |
| 3,576.0 | 16.43 | 246.88 | 3,291.4 | -495.0 | -1,152.2 | 1,254.1 | 1.84 | -1.82 | -0.84 | |
| 3,621.0 | 16.72 | 246.94 | 3,334.5 | -500.1 | -1,164.0 | 1,266.9 | 0.65 | 0.64 | 0.13 | |
| 3,667.0 | 16.94 | 249.35 | 3,378.6 | -505.0 | -1,176.4 | 1,280.2 | 1.59 | 0.48 | 5.24 | |
| 3,711.0 | 16.59 | 248.97 | 3,420.7 | -509.5 | -1,188.3 | 1,292.9 | 0.83 | -0.80 | -0.86 | |
| 3,756.0 | 14.54 | 249.33 | 3,464.0 | -513.8 | -1,199.5 | 1,305.0 | 4.56 | -4.56 | 0.80 | |
| 3,801.0 | 12.31 | 250.32 | 3,507.8 | -517.4 | -1,209.3 | 1,315.4 | 4.98 | -4.96 | 2.20 | |
| 3,846.0 | 10.88 | 252.02 | 3,551.9 | -520.4 | -1,217.9 | 1,324.4 | 3.27 | -3.18 | 3.78 | |
| 3,891.0 | 9.02 | 252.60 | 3,596.2 | -522.7 | -1,225.3 | 1,332.1 | 4.14 | -4.13 | 1.29 | |
| 3,936.0 | 7.52 | 251.31 | 3,640.7 | -524.7 | -1,231.5 | 1,338.6 | 3.36 | -3.33 | -2.87 | |
| 3,981.0 | 6.01 | 250.44 | 3,685.4 | -526.5 | -1,236.5 | 1,343.9 | 3.36 | -3.36 | -1.93 | |
| 4,026.0 | 5.21 | 250.31 | 3,730.2 | -527.9 | -1,240.6 | 1,348.3 | 1.78 | -1.78 | -0.29 | |
| 4,071.0 | 4.79 | 248.53 | 3,775.0 | -529.3 | -1,244.3 | 1,352.2 | 0.99 | -0.93 | -3.96 | |
| 4,116.0 | 4.40 | 247.14 | 3,819.9 | -530.7 | -1,247.6 | 1,355.8 | 0.90 | -0.87 | -3.09 | |
| 4,161.0 | 3.92 | 244.53 | 3,864.8 | -532.0 | -1,250.6 | 1,359.1 | 1.15 | -1.07 | -5.80 | |
| 4,206.0 | 3.43 | 245.22 | 3,909.7 | -533.2 | -1,253.2 | 1,361.9 | 1.09 | -1.09 | 1.53 | |
| 4,251.0 | 3.18 | 244.63 | 3,954.6 | -534.3 | -1,255.6 | 1,364.5 | 0.56 | -0.56 | -1.31 | |
| 4,258.0 | 3.01 | 243.26 | 3,961.6 | -534.5 | -1,255.9 | 1,364.9 | 2.65 | -2.43 | -19.57 | |