

|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            |                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Submit To Appropriate District Office<br>State Lease - 6 copies<br>Fee Lease - 5 copies<br>District I<br>1625 N French Dr., Hobbs, NM 88240<br>District II<br>1301 W Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd., Aztec, NM 87410<br>District IV<br>1220 S St Francis Dr., Santa Fe, NM 87505                          | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | <b>Form C-105</b><br>Revised June 10, 2003                                                                 | WELL API NO.<br><div style="text-align: center;">30-015-35103</div> |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>        |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | State Oil & Gas Lease No.                                                                                  |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 1a. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____                                                                                                                                                                                                       |                                                                                                                                                                                       | 7 Lease Name or Unit Agreement Name<br><br><div style="text-align: center;">SLY HAWK STATE</div>           |                                                                     |
| b. Type of Completion<br>NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF <input type="checkbox"/><br>WELL OVER BACK RESVR. <input type="checkbox"/> OTHER                                                                                                |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 2 Name of Operator<br>MARBOB ENERGY CORPORATION                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | 8 Well No<br><div style="text-align: center;">5</div>                                                      |                                                                     |
| 3 Address of Operator<br>P.O. BOX 227, ARTESIA, NM 88211-0227                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                       | 9. Pool name or Wildcat<br>WILLOW LAKE; DELAWARE, SW                                                       |                                                                     |
| 4. Well Location<br><br>SUR. Unit Letter <u>A</u> <u>150</u> Feet From The <u>NORTH</u> Line and <u>330</u> Feet From The <u>EAST</u> Line<br>BHL Unit Letter <u>H</u> <u>2310</u> Feet From The <u>NORTH</u> Line and <u>430</u> Feet From The <u>EAST</u> Line<br>Section <u>3</u> Township <u>25S</u> Range <u>28E</u> NMPM <u>EDDY</u> County |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 10 Date Spudded<br>4/1/08                                                                                                                                                                                                                                                                                                                         | 11 Date T.D. Reached<br>4/15/08                                                                                                                                                       | 12 Date Compl (Ready to Prod)<br>5/29/08                                                                   | 13 Elevations (DF& RKB, RT, GR, etc )<br>2993' GR                   |
| 14. Elev Casinghead                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 15 Total Depth<br>6876'                                                                                                                                                                                                                                                                                                                           | 16. Plug Back T.D<br>6850'                                                                                                                                                            | 17 If Multiple Compl How Many<br>Zones?                                                                    | 18. Intervals Rotary Tools<br>Drilled By 0-6876'                    |
| 19 Producing Interval(s), of this completion - Top, Bottom, Name<br>5300-6800' DELAWARE                                                                                                                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                            | 20 Was Directional Survey Made<br>YES                               |
| 21 Type Electric and Other Logs Run                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                       |                                                                                                            | 22. Was Well Cored<br>NO                                            |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                       | WEIGHT LB./FT.                                                                                                                                                                        | DEPTH SET                                                                                                  | HOLE SIZE                                                           |
| 9-5/8"                                                                                                                                                                                                                                                                                                                                            | 36#                                                                                                                                                                                   | 588'                                                                                                       | 12-1/4"                                                             |
| 5-1/2"                                                                                                                                                                                                                                                                                                                                            | 17#                                                                                                                                                                                   | 6875'                                                                                                      | 7-7/8"                                                              |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                       | 25. TUBING RECORD                                                                                          |                                                                     |
| SIZE                                                                                                                                                                                                                                                                                                                                              | TOP                                                                                                                                                                                   | BOTTOM                                                                                                     | SACKS CEMENT                                                        |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | SCREEN                                                              |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 26 Perforation record (interval, size, and number)<br><br>5300-6800' (24)                                                                                                                                                                                                                                                                         |                                                                                                                                                                                       | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPTH INTERVAL<br>5300-6800'                            |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | AMOUNT AND KIND MATERIAL USED<br>ACDZ W/4000 GAL 15%; FRAC W/166519 GAL XL FLUID, 300180# 16/30 W/EXPEDITE |                                                                     |
| <b>28 PRODUCTION</b>                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| Date First Production<br>6/1/08                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>PUMPING                             |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       | Well Status (Prod. or Shut-in)<br>PRODUCING                                                                |                                                                     |
| Date of Test<br>6/2/08                                                                                                                                                                                                                                                                                                                            | Hours Tested<br>24                                                                                                                                                                    | Choke Size                                                                                                 | Prod'n For Test Period                                              |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Oil - Bbl<br>8                                                      |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Gas - MCF<br>0                                                      |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Water - Bbl<br>382                                                  |
| Flow Tubing Press                                                                                                                                                                                                                                                                                                                                 | Casing Pressure                                                                                                                                                                       | Calculated 24-Hour Rate                                                                                    | Oil - Bbl                                                           |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Gas - MCF                                                           |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Water - Bbl                                                         |
|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                            | Oil Gravity - API - (Corr )                                         |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc )<br>SOLD                                                                                                                                                                                                                                                                                |                                                                                                                                                                                       |                                                                                                            | Test Witnessed By<br>JONATHAN GRAY                                  |
| 30 List Attachments<br>INCLINATION REPORT, DIRECTIONAL SURVEY                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| 31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief                                                                                                                                                                                                             |                                                                                                                                                                                       |                                                                                                            |                                                                     |
| Signature                                                                                                                                                                                                                                                      |                                                                                                                                                                                       | Printed Name: STORMI DAVIS Title: PRODUCTION ASSISTANT Date 6/10/08                                        |                                                                     |
| E-mail Address: SDAVIS@MARBOB.COM                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                            |                                                                     |

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico |                        | Northwestern New Mexico |                  |
|-------------------------|------------------------|-------------------------|------------------|
| T. Anhy                 | T. Canyon              | T. Ojo Alamo            | T. Penn. "B"     |
| T. Salt                 | T. Strawn              | T. Kirtland-Fruitland   | T. Penn. "C"     |
| B. Salt                 | T. Atoka               | T. Pictured Cliffs      | T. Penn. "D"     |
| T. Yates                | T. Miss                | T. Cliff House          | T. Leadville     |
| T. 7 Rivers             | T. Devonian            | T. Menefee              | T. Madison       |
| T. Queen                | T. Silurian            | T. Point Lookout        | T. Elbert        |
| T. Grayburg             | T. Montoya             | T. Mancos               | T. McCracken     |
| T. San Andres           | T. Simpson             | T. Gallup               | T. Ignacio Otzte |
| T. Glorieta             | T. McKee               | Base Greenhorn          | T. Granite       |
| T. Paddock              | T. Ellenburger         | T. Dakota               | T.               |
| T. Blinebry             | T. Gr. Wash            | T. Morrison             | T.               |
| T. Tubb                 | T. Delaware Sand 2500' | T. Todilto              | T.               |
| T. Drinkard             | T. Bone Springs        | T. Entrada              | T.               |
| T. Abo                  | T. Rustler             | T. Wingate              | T.               |
| T. Wolfcamp             | T. Bowers              | T. Chinle               | T.               |
| T. Penn                 | T. Penrose             | T. Permian              | T.               |
| T. Cisco (Bough C)      | T. Yeso                | T. Penn "A"             | T.               |

## OIL OR GAS SANDS OR ZONES

|                         |                         |
|-------------------------|-------------------------|
| No. 1, from.....to..... | No. 3, from.....to..... |
| No. 2, from.....to..... | No. 4, from.....to..... |

## IMPORTANT WATER SANDS

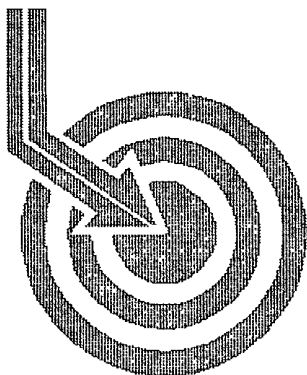
Include data on rate of water inflow and elevation to which water rose in hole.

|                  |         |           |
|------------------|---------|-----------|
| No. 1, from..... | to..... | feet..... |
| No. 2, from..... | to..... | feet..... |
| No. 3, from..... | to..... | feet..... |

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |



# Scientific Drilling

## MARBOB ENERGY

Field: Sly Hawk  
Site: Eddy County, NM  
Well: Sly Hawk State #5  
Wellpath: VH - Job #32K0408232  
Survey: 04/08/08

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

.....*L. Wharton*.....Company Representative

Notorized this date 1st of May, 2008.

*Carrie Reed*

Notary Signature  
County of Midland  
State of Texas





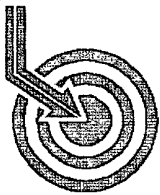
# Scientific Drilling International Survey Report

|                                       |                                   |                                          |                   |
|---------------------------------------|-----------------------------------|------------------------------------------|-------------------|
| <b>Company:</b> MARBOB ENERGY         | <b>Date:</b> 05/04/2008           | <b>Time:</b> 18:01:58                    | <b>Page:</b> 1    |
| <b>Field:</b> Sly Hawk                | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Eddy County, NM, Grid North |                   |
| <b>Site:</b> Eddy County, NM          | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                          |                   |
| <b>Well:</b> Sly Hawk State #5        | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,182.65Azi)      |                   |
| <b>Wellpath:</b> VH - Job #32K0408232 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                 | <b>Db:</b> Sybase |

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| <b>Survey:</b> 04/08/08<br>KSRG 0'-4388'       | <b>Start Date:</b> 04/08/2008         |
| <b>Company:</b> Scientific Drilling Internatio | <b>Engineer:</b> Guebara/Lanier/Garza |
| <b>Tool:</b> Keeper, Keeper Gyro               | <b>Tied-to:</b> From Surface          |

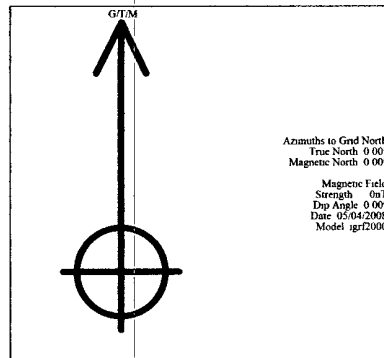
## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 0.14        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 1.06        | 113.08      | 99.99     | 0.32     | -0.36     | 0.85      | 1.06             | 0.92       | 113.08      |
| 200.00   | 1.13        | 119.44      | 199.98    | 1.09     | -1.21     | 2.56      | 0.14             | 2.83       | 115.29      |
| 300.00   | 1.44        | 108.85      | 299.95    | 1.89     | -2.10     | 4.61      | 0.39             | 5.06       | 114.50      |
| 400.00   | 1.27        | 106.37      | 399.92    | 2.50     | -2.82     | 6.86      | 0.18             | 7.42       | 112.34      |
| 500.00   | 1.41        | 118.22      | 499.90    | 3.29     | -3.71     | 9.01      | 0.31             | 9.74       | 112.40      |
| 600.00   | 1.53        | 126.57      | 599.86    | 4.57     | -5.09     | 11.16     | 0.25             | 12.27      | 114.51      |
| 700.00   | 1.65        | 129.84      | 699.82    | 6.18     | -6.81     | 13.34     | 0.15             | 14.98      | 117.03      |
| 800.00   | 1.61        | 127.78      | 799.78    | 7.86     | -8.59     | 15.56     | 0.07             | 17.77      | 118.91      |
| 900.00   | 1.66        | 132.25      | 899.74    | 9.59     | -10.43    | 17.74     | 0.14             | 20.58      | 120.44      |
| 1000.00  | 1.46        | 140.67      | 999.71    | 11.46    | -12.38    | 19.62     | 0.30             | 23.20      | 122.26      |
| 1100.00  | 1.47        | 140.95      | 1099.67   | 13.37    | -14.37    | 21.24     | 0.01             | 25.64      | 124.08      |
| 1200.00  | 1.28        | 143.97      | 1199.64   | 15.20    | -16.27    | 22.70     | 0.20             | 27.93      | 125.62      |
| 1300.00  | 1.44        | 130.80      | 1299.62   | 16.85    | -17.99    | 24.31     | 0.35             | 30.24      | 126.50      |
| 1400.00  | 1.82        | 131.91      | 1399.58   | 18.63    | -19.87    | 26.44     | 0.38             | 33.08      | 126.93      |
| 1500.00  | 1.69        | 129.65      | 1499.53   | 20.52    | -21.87    | 28.76     | 0.15             | 36.13      | 127.26      |
| 1600.00  | 1.69        | 131.85      | 1599.49   | 22.34    | -23.80    | 30.99     | 0.06             | 39.08      | 127.52      |
| 1700.00  | 1.55        | 129.28      | 1699.45   | 24.08    | -25.64    | 33.14     | 0.16             | 41.90      | 127.73      |
| 1800.00  | 1.44        | 130.31      | 1799.41   | 25.65    | -27.31    | 35.14     | 0.11             | 44.51      | 127.85      |
| 1900.00  | 1.76        | 123.95      | 1899.37   | 27.22    | -28.98    | 37.37     | 0.37             | 47.29      | 127.79      |
| 2000.00  | 2.15        | 112.45      | 1999.31   | 28.65    | -30.55    | 40.38     | 0.55             | 50.64      | 127.11      |
| 2100.00  | 2.71        | 97.37       | 2099.23   | 29.48    | -31.57    | 44.46     | 0.85             | 54.53      | 125.38      |
| 2200.00  | 2.81        | 97.79       | 2199.11   | 29.90    | -32.21    | 49.23     | 0.10             | 58.83      | 123.19      |
| 2300.00  | 2.35        | 102.31      | 2299.01   | 30.46    | -32.98    | 53.67     | 0.50             | 62.99      | 121.57      |
| 2400.00  | 2.55        | 102.93      | 2398.92   | 31.20    | -33.91    | 57.84     | 0.20             | 67.04      | 120.38      |
| 2500.00  | 2.64        | 102.98      | 2498.81   | 32.01    | -34.93    | 62.25     | 0.09             | 71.38      | 119.30      |
| 2600.00  | 2.13        | 101.66      | 2598.73   | 32.71    | -35.82    | 66.31     | 0.51             | 75.37      | 118.38      |
| 2700.00  | 2.02        | 99.14       | 2698.66   | 33.20    | -36.47    | 69.87     | 0.14             | 78.82      | 117.56      |
| 2800.00  | 1.99        | 99.14       | 2798.60   | 33.60    | -37.03    | 73.33     | 0.03             | 82.15      | 116.79      |
| 2900.00  | 1.91        | 96.69       | 2898.54   | 33.91    | -37.50    | 76.70     | 0.12             | 85.37      | 116.06      |
| 3000.00  | 1.86        | 97.65       | 2998.49   | 34.17    | -37.91    | 79.96     | 0.06             | 88.49      | 115.37      |
| 3100.00  | 1.84        | 95.92       | 3098.44   | 34.41    | -38.29    | 83.17     | 0.06             | 91.56      | 114.72      |
| 3200.00  | 1.75        | 92.48       | 3198.39   | 34.49    | -38.52    | 86.29     | 0.14             | 94.50      | 114.06      |
| 3300.00  | 1.81        | 93.55       | 3298.34   | 34.51    | -38.69    | 89.39     | 0.07             | 97.40      | 113.40      |
| 3400.00  | 1.65        | 97.94       | 3398.29   | 34.67    | -38.98    | 92.39     | 0.21             | 100.28     | 112.88      |
| 3500.00  | 0.76        | 94.69       | 3498.27   | 34.83    | -39.24    | 94.48     | 0.89             | 102.30     | 112.55      |
| 3600.00  | 1.24        | 90.56       | 3598.25   | 34.81    | -39.30    | 96.22     | 0.49             | 103.94     | 112.22      |
| 3700.00  | 1.12        | 97.52       | 3698.23   | 34.85    | -39.44    | 98.27     | 0.19             | 105.89     | 111.87      |
| 3800.00  | 0.98        | 94.65       | 3798.22   | 34.97    | -39.64    | 100.09    | 0.15             | 107.66     | 111.60      |
| 3900.00  | 0.87        | 90.87       | 3898.20   | 34.97    | -39.72    | 101.71    | 0.13             | 109.19     | 111.33      |
| 4000.00  | 0.89        | 89.83       | 3998.19   | 34.91    | -39.73    | 103.24    | 0.03             | 110.62     | 111.05      |
| 4100.00  | 0.70        | 91.23       | 4098.18   | 34.86    | -39.74    | 104.63    | 0.19             | 111.92     | 110.80      |
| 4200.00  | 0.71        | 92.32       | 4198.17   | 34.84    | -39.78    | 105.86    | 0.02             | 113.08     | 110.59      |
| 4300.00  | 0.99        | 87.51       | 4298.16   | 34.76    | -39.76    | 107.34    | 0.29             | 114.47     | 110.33      |
| 4388.00  | 0.72        | 83.78       | 4386.15   | 34.61    | -39.67    | 108.65    | 0.31             | 115.67     | 110.06      |



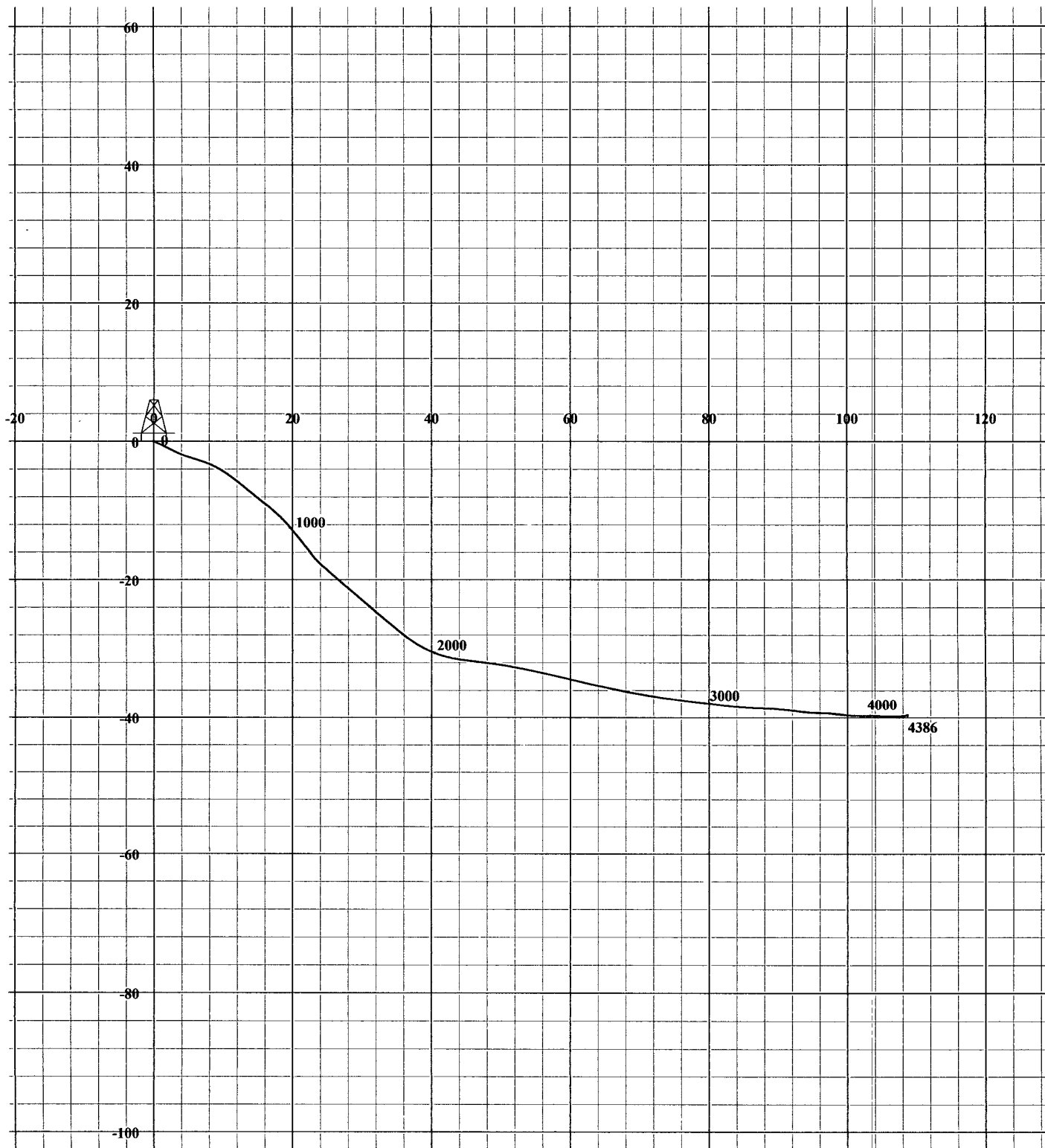
Scientific  
Drilling

Field: Sly Hawk  
Site: Eddy County, NM  
Well: Sly Hawk State #5  
Wellpath: VH - Job #32K0408232  
Survey: 04/08/08



West(-)/East(+) [20ft/in]

South(-)/North(+) [20ft/in]



# **Marbob**

**Sly Hawk St #5**

**Sly Hawk St. #5**

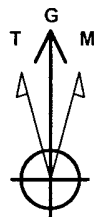
**Sly Hawk St. #5**

**Original Hole**

**Survey: MWD**

## **Pathfinder Standard X & Y Report**

**17 April, 2008**



Azimuths to Grid North  
True North: -0.14°  
Magnetic North: 8.03°

Magnetic Field  
Strength: 48891.5nT  
Dip Angle: 60.13°  
Date: 4/8/2008  
Model: IGRF200510



#### WELL DETAILS: Sly Hawk St #5

Ground Elevation 2993.00  
RKB Elevation Est RKB @ 2993.00ft  
Rig Name

| +N/-S | +E/-W | Northing   | Easting    | Latitude         | Longitude        | Slot |
|-------|-------|------------|------------|------------------|------------------|------|
| 0.00  | 0.00  | 424212.930 | 582395.000 | 32° 9' 57.593" N | 104° 4' 1.409" W |      |

#### SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | DLeg  | TFace  | VSec    | Target |
|-----|---------|-------|--------|---------|----------|---------|-------|--------|---------|--------|
| 1   | 4388.00 | 0.72  | 83.78  | 4386.15 | -39.67   | 108.65  | 0.00  | 0.00   | 34.60   |        |
| 2   | 4417.00 | 0.72  | 83.78  | 4415.15 | -39.63   | 109.01  | 0.00  | 0.00   | 34.55   |        |
| 3   | 4759.18 | 40.89 | 220.84 | 4728.45 | -127.75  | 34.86   | 12.14 | 137.62 | 126.01  |        |
| 4   | 5205.94 | 90.00 | 180.88 | 4915.00 | -496.70  | -74.57  | 13.37 | -47.94 | 499.61  |        |
| 5   | 5246.04 | 90.00 | 180.88 | 4915.00 | -536.78  | -75.18  | 0.01  | -90.00 | 539.69  |        |
| 6   | 6869.44 | 90.00 | 180.88 | 4915.00 | -2160.00 | -100.00 | 0.00  | 0.00   | 2162.31 | PBHL   |

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name | TVD     | +N/-S    | +E/-W   | Northing   | Easting    | Shape |
|------|---------|----------|---------|------------|------------|-------|
| PBHL | 4915.00 | -2160.00 | -100.00 | 422052.930 | 582295.000 | Point |

#### PROJECT DETAILS: Sly Hawk St #5

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level  
Local North: Grid

Project: Sly Hawk St #5

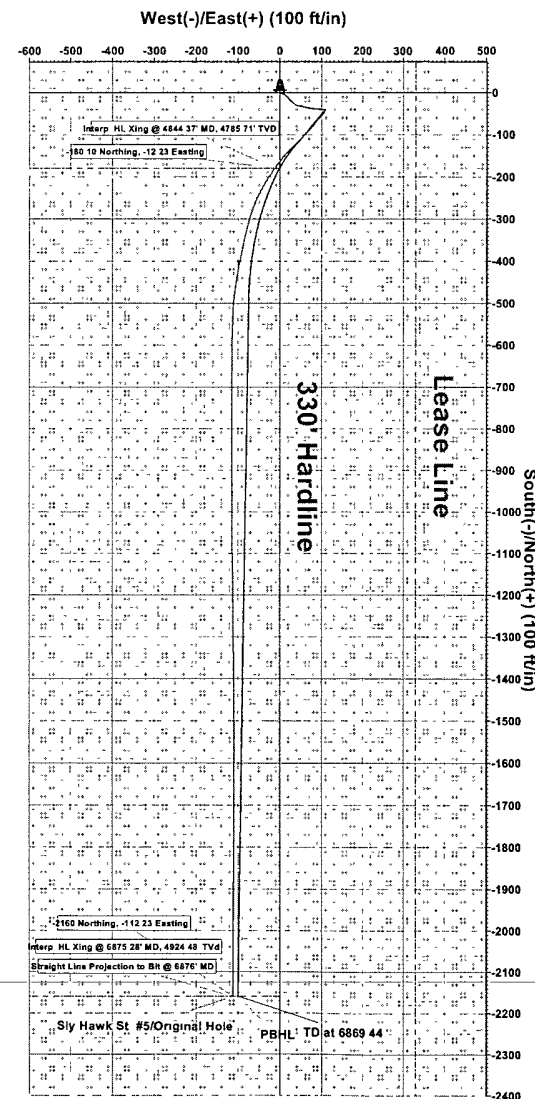
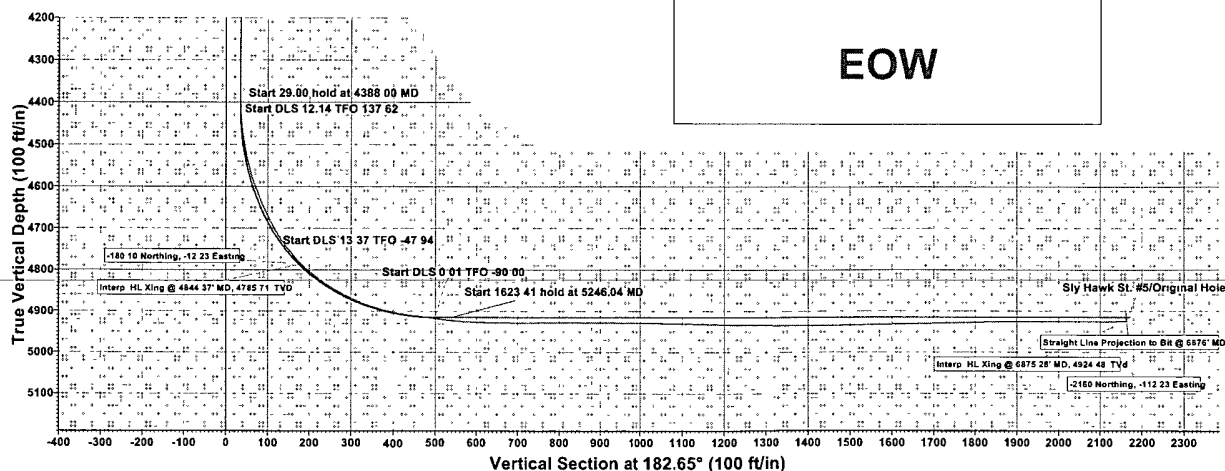
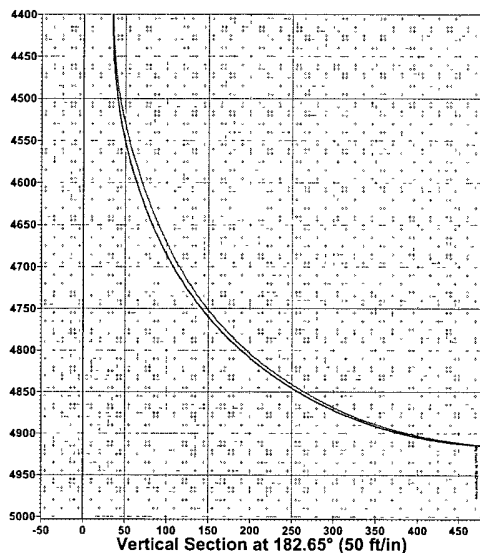
Site: Sly Hawk St. #5

Well: Sly Hawk St. #5

Wellbore: Original Hole

Plan: Plan #3 (Sly Hawk St. #5/Original Hole)

EOW



Plan Plan #3 (Sly Hawk St. #5/Original Hole)

Created By Mark Freeman Date: 14.52, April 17 2008

Checked \_\_\_\_\_ Date \_\_\_\_\_

# WHS

## Pathfinder Standard X & Y Report

|                  |                 |                                     |                            |
|------------------|-----------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Marbob          | <b>Local Co-ordinate Reference:</b> | Well Sly Hawk St. #5       |
| <b>Project:</b>  | Sly Hawk St #5  | <b>TVD Reference:</b>               | Est RKB @ 2993.00ft        |
| <b>Site:</b>     | Sly Hawk St. #5 | <b>MD Reference:</b>                | Est RKB @ 2993.00ft        |
| <b>Well:</b>     | Sly Hawk St. #5 | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | Original Hole   | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | Original Hole   | <b>Database:</b>                    | EDM 2003.16 Single User Db |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Sly Hawk St #5                       |               |                |
| 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                  | Sly Hawk St. #5 |              |                |                   |                 |
| Site Position:        |                 | Northing:    | 424,212.930 ft | Latitude:         | 32° 9' 57.593 N |
| From:                 | Map             | Easting:     | 582,395.000 ft | Longitude:        | 104° 4' 1.409 W |
| Position Uncertainty: | 0.00 ft         | Slot Radius: | "              | Grid Convergence: | 0.14 °          |

|                      |                 |         |                     |                |               |                 |
|----------------------|-----------------|---------|---------------------|----------------|---------------|-----------------|
| Well                 | Sly Hawk St. #5 |         |                     |                |               |                 |
| Well Position        | +N/-S           | 0.00 ft | Northing:           | 424,212.930 ft | Latitude:     | 32° 9' 57.593 N |
|                      | +E/-W           | 0.00 ft | Easting:            | 582,395.000 ft | Longitude:    | 104° 4' 1.409 W |
| Position Uncertainty |                 | 0.00 ft | Wellhead Elevation: | ft             | Ground Level: | 2,993.00 ft     |

| Wellbore  |            | Original Hole |                    |                  |                        |
|-----------|------------|---------------|--------------------|------------------|------------------------|
| Magnetics | Model Name | Sample Date   | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|           | IGRF200510 | 4/8/2008      | 8.18               | 60.13            | 48.892                 |

|                   |                  |        |        |                    |
|-------------------|------------------|--------|--------|--------------------|
| Design            | Original Hole    |        |        |                    |
| Audit Notes:      |                  |        |        |                    |
| Version:          | 1.0              | Phase: | ACTUAL | Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W  | Direction          |
|                   | (ft)             | (ft)   | (ft)   | (°)                |
|                   | 0.00             | 0.00   | 0.00   | 182.65             |

# WHS

## Pathfinder Standard X & Y Report

|                  |                 |                                     |                            |
|------------------|-----------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Marbob          | <b>Local Co-ordinate Reference:</b> | Well Sly Hawk St. #5       |
| <b>Project:</b>  | Sly Hawk St #5  | <b>TVD Reference:</b>               | Est RKB @ 2993.00ft        |
| <b>Site:</b>     | Sly Hawk St. #5 | <b>MD Reference:</b>                | Est RKB @ 2993.00ft        |
| <b>Well:</b>     | Sly Hawk St. #5 | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | Original Hole   | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | Original Hole   | <b>Database:</b>                    | EDM 2003.16 Single User Db |

| Survey Program |          | Date 4/17/2008              |            |                             |
|----------------|----------|-----------------------------|------------|-----------------------------|
| From (ft)      | To (ft)  | Survey (Wellbore)           | Tool Name  | Description                 |
| 100.00         | 4,388.00 | Gyro Survey (Original Hole) | CB-GYRO-MS | Camera based gyro multishot |
| 4,400.00       | 6,876.00 | MWD (Original Hole)         | MWD        | MWD - Standard              |

| Survey   |         |         |          |            |          |          |             |                |           |  |
|----------|---------|---------|----------|------------|----------|----------|-------------|----------------|-----------|--|
| MD (ft)  | Inc (°) | Azi (°) | TVD (ft) | TVDSS (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | DLeg (°/100ft) | TFace (°) |  |
| 4,388.00 | 0.72    | 83.78   | 4,386.15 | 1,393.15   | -39.67   | 108.65   | 34.61       | 0.00           | 0.00      |  |
| 4,448.00 | 4.22    | 199.63  | 4,446.10 | 1,453.10   | -41.71   | 108.28   | 36.66       | 7.63           | 123.97    |  |
| 4,479.00 | 8.88    | 209.12  | 4,476.89 | 1,483.89   | -44.88   | 106.73   | 39.89       | 15.38          | 17.83     |  |
| 4,511.00 | 13.01   | 215.89  | 4,508.30 | 1,515.30   | -49.96   | 103.42   | 45.12       | 13.50          | 20.64     |  |
| 4,543.00 | 17.06   | 218.79  | 4,539.20 | 1,546.20   | -56.53   | 98.36    | 51.93       | 12.87          | 11.93     |  |
| 4,575.00 | 20.84   | 220.55  | 4,569.46 | 1,576.46   | -64.52   | 91.72    | 60.21       | 11.95          | 9.43      |  |
| 4,606.00 | 24.09   | 221.25  | 4,598.11 | 1,605.11   | -73.47   | 83.96    | 69.51       | 10.52          | 5.03      |  |
| 4,638.00 | 27.79   | 222.66  | 4,626.88 | 1,633.88   | -83.87   | 74.60    | 80.33       | 11.72          | 10.10     |  |
| 4,670.00 | 31.22   | 223.98  | 4,654.72 | 1,661.72   | -95.33   | 63.78    | 92.28       | 10.91          | 11.31     |  |
| 4,702.00 | 34.82   | 225.03  | 4,681.55 | 1,688.55   | -107.76  | 51.55    | 105.26      | 11.39          | 9.47      |  |
| 4,734.00 | 38.95   | 225.21  | 4,707.14 | 1,714.14   | -121.30  | 37.95    | 119.42      | 12.91          | 1.57      |  |
| 4,765.00 | 42.21   | 223.94  | 4,730.68 | 1,737.68   | -135.67  | 23.80    | 134.43      | 10.85          | -14.71    |  |
| 4,797.00 | 45.37   | 219.67  | 4,753.78 | 1,760.78   | -152.18  | 9.07     | 151.60      | 13.52          | -44.64    |  |
| 4,829.00 | 48.36   | 216.80  | 4,775.66 | 1,782.66   | -170.53  | -5.37    | 170.60      | 11.41          | -36.00    |  |
| 4,860.00 | 51.62   | 214.49  | 4,795.59 | 1,802.59   | -189.83  | -19.19   | 190.51      | 11.96          | -29.24    |  |
| 4,892.00 | 55.13   | 211.74  | 4,814.68 | 1,821.68   | -211.34  | -33.21   | 212.65      | 12.96          | -32.99    |  |
| 4,924.00 | 58.21   | 207.48  | 4,832.27 | 1,839.27   | -234.58  | -46.40   | 236.48      | 14.71          | -50.32    |  |
| 4,956.00 | 61.20   | 203.00  | 4,848.42 | 1,855.42   | -259.57  | -58.16   | 261.98      | 15.28          | -53.45    |  |
| 4,987.00 | 63.58   | 198.28  | 4,862.79 | 1,869.79   | -285.27  | -67.82   | 288.10      | 15.52          | -61.47    |  |
| 5,019.00 | 66.74   | 194.51  | 4,876.23 | 1,883.23   | -313.12  | -76.01   | 316.30      | 14.55          | -48.08    |  |
| 5,051.00 | 71.40   | 192.88  | 4,887.66 | 1,894.66   | -342.15  | -83.07   | 345.62      | 15.32          | -18.39    |  |

# WHS

## Pathfinder Standard X & Y Report

|                  |                 |                                     |                            |
|------------------|-----------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Marbob          | <b>Local Co-ordinate Reference:</b> | Well Sly Hawk St. #5       |
| <b>Project:</b>  | Sly Hawk St #5  | <b>TVD Reference:</b>               | Est RKB @ 2993.00ft        |
| <b>Site:</b>     | Sly Hawk St. #5 | <b>MD Reference:</b>                | Est RKB @ 2993 00ft        |
| <b>Well:</b>     | Sly Hawk St. #5 | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | Original Hole   | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | Original Hole   | <b>Database:</b>                    | EDM 2003.16 Single User Db |

| 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) | TFace<br>(°) |  |
| 5,083.00   | 74.83      | 191.42     | 4,896.96    | 1,903.96      | -372.08     | -89.51      | 375.82         | 11.57             | -22.38       |  |
| 5,115.00   | 78.79      | 191.42     | 4,904.26    | 1,911.26      | -402.61     | -95.68      | 406.61         | 12.37             | 0.00         |  |
| 5,146.00   | 81.95      | 190.25     | 4,909.44    | 1,916.44      | -432.63     | -101.43     | 436.85         | 10.85             | -20.15       |  |
| 5,178.00   | 83.10      | 187.73     | 4,913.61    | 1,920.61      | -463.96     | -106.38     | 468.38         | 8.60              | -65.45       |  |
| 5,217.00   | 83.01      | 184.86     | 4,918.32    | 1,925.32      | -502.44     | -110.63     | 507.02         | 7.31              | -91.98       |  |
| 5,249.00   | 83.36      | 182.08     | 4,922.12    | 1,929.12      | -534.15     | -112.55     | 538.78         | 8.70              | -82.94       |  |
| 5,281.00   | 85.82      | 180.86     | 4,925.14    | 1,932.14      | -565.99     | -113.37     | 570.63         | 8.57              | -26.34       |  |
| 5,312.00   | 88.29      | 180.67     | 4,926.73    | 1,933.73      | -596.95     | -113.78     | 601.57         | 7.99              | -4.40        |  |
| 5,344.00   | 88.90      | 180.31     | 4,927.51    | 1,934.51      | -628.94     | -114.05     | 633.54         | 2.21              | -30.54       |  |
| 5,376.00   | 89.34      | 180.54     | 4,928.01    | 1,935.01      | -660.93     | -114.29     | 665.51         | 1.55              | 27.60        |  |
| 5,408.00   | 90.22      | 180.11     | 4,928.13    | 1,935.13      | -692.93     | -114.47     | 697.48         | 3.06              | -26.04       |  |
| 5,440.00   | 90.22      | 179.93     | 4,928.01    | 1,935.01      | -724.93     | -114.48     | 729.45         | 0.56              | -90.00       |  |
| 5,503.00   | 89.96      | 180.05     | 4,927.91    | 1,934.91      | -787.93     | -114.47     | 792.38         | 0.45              | 155.22       |  |
| 5,598.00   | 89.96      | 180.07     | 4,927.97    | 1,934.97      | -882.93     | -114.57     | 887.28         | 0.02              | 90.00        |  |
| 5,694.00   | 89.34      | 179.66     | 4,928.56    | 1,935.56      | -978.93     | -114.34     | 983.17         | 0.77              | -146.53      |  |
| 5,789.00   | 88.90      | 179.56     | 4,930.02    | 1,937.02      | -1,073.91   | -113.70     | 1,078.02       | 0.47              | -167.20      |  |
| 5,884.00   | 88.29      | 179.21     | 4,932.35    | 1,939.35      | -1,168.88   | -112.68     | 1,172.84       | 0.74              | -150.17      |  |
| 5,979.00   | 89.60      | 179.25     | 4,934.10    | 1,941.10      | -1,263.85   | -111.40     | 1,267.65       | 1.38              | 1.75         |  |
| 6,075.00   | 90.13      | 179.38     | 4,934.32    | 1,941.32      | -1,359.85   | -110.25     | 1,363.49       | 0.57              | 13.78        |  |
| 6,170.00   | 89.96      | 179.44     | 4,934.25    | 1,941.25      | -1,454.84   | -109.28     | 1,458.34       | 0.19              | 160.56       |  |
| 6,265.00   | 91.45      | 180.04     | 4,933.08    | 1,940.08      | -1,549.83   | -108.85     | 1,553.20       | 1.69              | 21.93        |  |
| 6,360.00   | 91.63      | 180.30     | 4,930.53    | 1,937.53      | -1,644.79   | -109.13     | 1,648.08       | 0.33              | 55.29        |  |
| 6,455.00   | 91.28      | 180.47     | 4,928.11    | 1,935.11      | -1,739.76   | -109.77     | 1,742.98       | 0.41              | 154.10       |  |
| 6,550.00   | 91.19      | 180.41     | 4,926.07    | 1,933.07      | -1,834.74   | -110.49     | 1,837.88       | 0.11              | -146.32      |  |
| 6,646.00   | 89.52      | 180.21     | 4,925.47    | 1,932.47      | -1,930.73   | -111.01     | 1,933.80       | 1.75              | -173.17      |  |
| 6,741.00   | 90.04      | 180.31     | 4,925.84    | 1,932.84      | -2,025.73   | -111.44     | 2,028.71       | 0.56              | 10.89        |  |
| 6,828.00   | 90.84      | 180.35     | 4,925.17    | 1,932.17      | -2,112.72   | -111.95     | 2,115.64       | 0.92              | 2.86         |  |

# WHS

## Pathfinder Standard X & Y Report

|                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Company:</b> Marbob<br><b>Project:</b> Sly Hawk St #5<br><b>Site:</b> Sly Hawk St. #5<br><b>Well:</b> Sly Hawk St. #5<br><b>Wellbore:</b> Original Hole<br><b>Design:</b> Original Hole | <b>Local Co-ordinate Reference:</b> Well Sly Hawk St. #5<br><b>TVD Reference:</b> Est RKB @ 2993.00ft<br><b>MD Reference:</b> Est RKB @ 2993.00ft<br><b>North Reference:</b> Grid<br><b>Survey Calculation Method:</b> Minimum Curvature<br><b>Database:</b> EDM 2003.16 Single User Db |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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) | TFace<br>(°) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|--------------|
| 6,876.00   | 90.84      | 180.35     | 4,924.46    | 1,931.46      | -2,160.72   | -112.24     | 2,163.60       | 0.00              | 0.00         |

### 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        | Longitude       |
|----------------------------------------------------------------------------------------------------|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|-----------------|-----------------|
| - hit/miss target<br>- Shape                                                                       |                  |                 |             |               |               |                  |                 |                 |                 |
| PBHL<br>- survey misses by 15.47ft at 6875.35ft MD (4924.47 TVD, -2160.06 N, -112.24 E)<br>- Point | 0.00             | 0.00            | 4,915.00    | -2,160.00     | -100.00       | 422,052.930      | 582,295.000     | 32° 9' 36.219 N | 104° 4' 2.634 W |

### Survey Annotations

| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates |               | Comment                                     |
|---------------------------|---------------------------|-------------------|---------------|---------------------------------------------|
|                           |                           | +N/-S<br>(ft)     | +E/-W<br>(ft) |                                             |
| 4,844.37                  | 4,785.71                  | -179.91           | -12.24        | Interp. HL Xing @ 4844.37' MD, 4785.71' TVD |
| 4,844.37                  | 4,785.71                  | -179.91           | -12.24        | -180.10 Northing, -12.23 Easting            |
| 6,875.28                  | 4,924.48                  | -2,160.00         | -112.23       | Interp. HL Xing @ 6875.28' MD, 4924.48' TVd |
| 6,875.28                  | 4,924.48                  | -2,160.00         | -112.23       | -2160 Northing, -112.23 Easting             |
| 6,876.00                  | 4,924.46                  | -2,160.72         | -112.24       | Straight Line Projection to Bit @ 6876' MD  |

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



***DIRECTIONAL SURVEY REPORT***

**MARBOB ENERGY**  
***SLY HAWK STATE #5***  
***EDDY COUNTY, NEW MEXICO***

**PREPARED BY: CODY MEBANE**

Pathfinder Energy Services, Inc.  
6213 W. County Road 112 • Midland, TX • 79706  
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:  
A) TREVOR SUTTON  
B) JESUS GARCIA
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 4/9/08 TO 4/15/08
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:  
  
MARBOB ENERGY CORPORATION.  
SLY HAWK STATE #5  
EDDY COUNTY, NM  
RIG: PERMIAN #4
9. SURVEY CERTIFIED FROM: 4384 TO 6828 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 2163.63 FEET ON A BEARING OF 182.97 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 6876 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

  
CODY MEBANE  
M/LWD SERVICE COORDINATOR

# PathFinder Energy Services, Inc.

## BHL Report

Page 01/01  
Tie-in Date: 04/09/2008  
Date Completed: 04/15/2008

MARBOB ENERGY CORPORATION  
SLY HAWK STATE # 5  
EDDY COUNTY, NEW MEXICO  
Rig:PERMIAN #4  
PathFinder Office Supervisor: CODY MEBANE  
PathFinder Field Engineers:T.SUTTON  
J. GARCIA

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.9.57.5928 N LON:104.4.1.4088 W  
GRID Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 582395.0123 Y: 424212.9089  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 8.03° EAST TO GRID  
Vertical Section Plane: 182.65  
Survey Vert. Reference: 12.00' Kelly Bushing To Ground  
Altitude:2993.00' Ground To MSL

|                       |                |             |
|-----------------------|----------------|-------------|
| Measured Depth        | 6876.00        | (feet)      |
| Inclination           | 90.84          | (deg)       |
| Azimuth               | 180.35         | (deg)       |
| True Vertical Depth   | 4924.46        | (feet)      |
| Vertical Section      | 2163.59        | (feet)      |
| Survey X cord         | 582282.74      | (feet)      |
| Survey Y cord         | 422052.27      | (feet)      |
| Survey Lat            | 32.16005919 N  | (deg)       |
| Survey Lon            | 104.06743807 W | (deg)       |
| Rectangular Corr. N/S | 2160.72 S      | (feet)      |
| Rectangular Corr. E/W | 112.24 W       | (feet)      |
| Closure Distance      | 2163.63        | (feet)      |
| Direction of Closure  | 182.97         | (deg)       |
| Dogleg Severity       | 0.00           | (deg/100ft) |

# PathFinder Energy Services, Inc.

## Survey Report

MARBOB ENERGY CORPORATION

SLY HAWK STATE # 5

EDDY COUNTY, NEW MEXICO

Rig:PERMIAN #4

PathFinder Office Supervisor: CODY MEBANE

PathFinder Field Engineers: T.SUTTON

J. GARCIA

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.9.57.5928 N LON:104.4.1.4088 W

Reference:NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 582395.0123 Y: 424212.9089

North Aligned To:GRID NORTH

Total Magnetic Correction: 8.03° EAST TO GRID

Vertical Section Plane: 182.65

Survey Vert. Reference: 12.00' Kelly Bushing To Ground

Altitude:2993.00' Ground To MSL

Survey Calculations by RX4 using Minimum Curvature

| Measured<br>Depth<br>(ft)                 | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Rectangular Offsets<br>(ft) (ft) |          | Closure<br>Dist Dir<br>(ft) (deg) |        | DLS<br>(dg/100ft) |
|-------------------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-------------------------------------------|----------|-----------------------------------|--------|-------------------|
| TIE-IN TO SCIENTIFIC GYRO @ 4388' MD.     |               |                        |             |                          |                             |                                           |          |                                   |        |                   |
| 4388.00                                   | 0.72          | 83.78                  | 4386.15     | 0.00                     | 34.60                       | 39.67 S                                   | 108.65 E | 115.67@                           | 110.06 | 0.00              |
| THE FOLLOWING ARE PATHFINDER MWD SURVEYS. |               |                        |             |                          |                             |                                           |          |                                   |        |                   |
| 4448.00                                   | 4.22          | 199.63                 | 4446.10     | 60.00                    | 36.66                       | 41.71 S                                   | 108.28 E | 116.04@                           | 111.07 | 7.63              |
| 4479.00                                   | 8.88          | 209.12                 | 4476.89     | 31.00                    | 39.89                       | 44.88 S                                   | 106.73 E | 115.78@                           | 112.80 | 15.38             |
| 4511.00                                   | 13.01         | 215.89                 | 4508.30     | 32.00                    | 45.12                       | 49.95 S                                   | 103.42 E | 114.85@                           | 115.78 | 13.50             |
| 4543.00                                   | 17.06         | 218.79                 | 4539.20     | 32.00                    | 51.93                       | 56.53 S                                   | 98.37 E  | 113.45@                           | 119.89 | 12.87             |
| 4575.00                                   | 20.84         | 220.55                 | 4569.46     | 32.00                    | 60.21                       | 64.52 S                                   | 91.72 E  | 112.14@                           | 125.12 | 11.95             |
| 4606.00                                   | 24.09         | 221.25                 | 4598.10     | 31.00                    | 69.51                       | 73.47 S                                   | 83.96 E  | 111.57@                           | 131.19 | 10.52             |
| 4638.00                                   | 27.79         | 222.66                 | 4626.87     | 32.00                    | 80.33                       | 83.87 S                                   | 74.60 E  | 112.25@                           | 138.35 | 11.72             |
| 4670.00                                   | 31.22         | 223.98                 | 4654.72     | 32.00                    | 92.28                       | 95.33 S                                   | 63.78 E  | 114.70@                           | 146.21 | 10.91             |
| 4702.00                                   | 34.82         | 225.03                 | 4681.55     | 32.00                    | 105.26                      | 107.75 S                                  | 51.55 E  | 119.45@                           | 154.43 | 11.39             |
| 4734.00                                   | 38.95         | 225.21                 | 4707.14     | 32.00                    | 119.42                      | 121.30 S                                  | 37.95 E  | 127.10@                           | 162.63 | 12.91             |
| 4765.00                                   | 42.21         | 223.94                 | 4730.68     | 31.00                    | 134.43                      | 135.67 S                                  | 23.80 E  | 137.74@                           | 170.05 | 10.85             |
| 4797.00                                   | 45.37         | 219.67                 | 4753.78     | 32.00                    | 151.60                      | 152.18 S                                  | 9.07 E   | 152.45@                           | 176.59 | 13.52             |
| 4829.00                                   | 48.36         | 216.80                 | 4775.66     | 32.00                    | 170.59                      | 170.53 S                                  | 5.37 W   | 170.61@                           | 181.80 | 11.41             |
| 4860.00                                   | 51.62         | 214.49                 | 4795.59     | 31.00                    | 190.51                      | 189.83 S                                  | 19.19 W  | 190.79@                           | 185.77 | 11.96             |
| 4892.00                                   | 55.13         | 211.74                 | 4814.68     | 32.00                    | 212.65                      | 211.34 S                                  | 33.21 W  | 213.93@                           | 188.93 | 12.95             |
| 4924.00                                   | 58.21         | 207.48                 | 4832.27     | 32.00                    | 236.47                      | 234.58 S                                  | 46.40 W  | 239.12@                           | 191.19 | 14.71             |
| 4956.00                                   | 61.20         | 203.00                 | 4848.41     | 32.00                    | 261.98                      | 259.57 S                                  | 58.16 W  | 266.00@                           | 192.63 | 15.28             |
| 4987.00                                   | 63.58         | 198.28                 | 4862.78     | 31.00                    | 288.10                      | 285.27 S                                  | 67.82 W  | 293.22@                           | 193.37 | 15.52             |
| 5019.00                                   | 66.74         | 194.51                 | 4876.23     | 32.00                    | 316.30                      | 313.12 S                                  | 76.01 W  | 322.21@                           | 193.64 | 14.55             |
| 5051.00                                   | 71.40         | 192.88                 | 4887.66     | 32.00                    | 345.62                      | 342.15 S                                  | 83.07 W  | 352.09@                           | 193.65 | 15.32             |
| 5083.00                                   | 74.83         | 191.42                 | 4896.95     | 32.00                    | 375.82                      | 372.08 S                                  | 89.51 W  | 382.69@                           | 193.53 | 11.57             |

# PathFinder Energy Services, Inc.

## Survey Report

MARBOB ENERGY CORPORATION  
SLY HAWK STATE # 5  
EDDY COUNTY, NEW MEXICO  
RIG:PERMIAN #4

Page 02/02

| Measured<br>Depth<br>(ft)                   | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Rectangular Offsets<br>(ft) (ft) |          | Closure<br>Dist Dir<br>(ft) (deg) |        | DLS<br>(dg/100ft) |
|---------------------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-------------------------------------------|----------|-----------------------------------|--------|-------------------|
| 5115.00                                     | 78.79         | 191.42                 | 4904.25     | 32.00                    | 406.60                      | 402.61 S                                  | 95.68 W  | 413.82@                           | 193.37 | 12.37             |
| 5146.00                                     | 81.95         | 190.25                 | 4909.44     | 31.00                    | 436.85                      | 432.63 S                                  | 101.42 W | 444.35@                           | 193.19 | 10.85             |
| 5178.00                                     | 83.10         | 187.73                 | 4913.60     | 32.00                    | 468.38                      | 463.96 S                                  | 106.38 W | 476.00@                           | 192.91 | 8.60              |
| 5217.00                                     | 83.01         | 184.86                 | 4918.32     | 39.00                    | 507.01                      | 502.44 S                                  | 110.63 W | 514.47@                           | 192.42 | 7.31              |
| 5249.00                                     | 83.36         | 182.08                 | 4922.12     | 32.00                    | 538.78                      | 534.15 S                                  | 112.55 W | 545.88@                           | 191.90 | 8.70              |
| 5281.00                                     | 85.82         | 180.86                 | 4925.13     | 32.00                    | 570.63                      | 565.99 S                                  | 113.36 W | 577.23@                           | 191.33 | 8.57              |
| 5312.00                                     | 88.29         | 180.67                 | 4926.73     | 31.00                    | 601.57                      | 596.95 S                                  | 113.78 W | 607.69@                           | 190.79 | 7.99              |
| 5344.00                                     | 88.90         | 180.31                 | 4927.51     | 32.00                    | 633.54                      | 628.94 S                                  | 114.05 W | 639.19@                           | 190.28 | 2.21              |
| 5376.00                                     | 89.34         | 180.54                 | 4928.00     | 32.00                    | 665.51                      | 660.93 S                                  | 114.29 W | 670.74@                           | 189.81 | 1.55              |
| 5408.00                                     | 90.22         | 180.11                 | 4928.12     | 32.00                    | 697.48                      | 692.93 S                                  | 114.47 W | 702.32@                           | 189.38 | 3.06              |
| 5440.00                                     | 90.22         | 179.93                 | 4928.00     | 32.00                    | 729.45                      | 724.93 S                                  | 114.48 W | 733.91@                           | 188.97 | 0.56              |
| 5503.00                                     | 89.96         | 180.05                 | 4927.90     | 63.00                    | 792.38                      | 787.93 S                                  | 114.47 W | 796.20@                           | 188.27 | 0.45              |
| 5598.00                                     | 89.96         | 180.07                 | 4927.97     | 95.00                    | 887.28                      | 882.93 S                                  | 114.57 W | 890.33@                           | 187.39 | 0.02              |
| 5694.00                                     | 89.34         | 179.66                 | 4928.56     | 96.00                    | 983.17                      | 978.93 S                                  | 114.34 W | 985.58@                           | 186.66 | 0.77              |
| 5789.00                                     | 88.90         | 179.56                 | 4930.01     | 95.00                    | 1078.02                     | 1073.91 S                                 | 113.70 W | 1079.92@                          | 186.04 | 0.48              |
| 5884.00                                     | 88.29         | 179.21                 | 4932.34     | 95.00                    | 1172.84                     | 1168.88 S                                 | 112.68 W | 1174.30@                          | 185.51 | 0.74              |
| 5979.00                                     | 89.60         | 179.25                 | 4934.09     | 95.00                    | 1267.65                     | 1263.85 S                                 | 111.40 W | 1268.75@                          | 185.04 | 1.38              |
| 6075.00                                     | 90.13         | 179.38                 | 4934.32     | 96.00                    | 1363.49                     | 1359.84 S                                 | 110.25 W | 1364.31@                          | 184.64 | 0.57              |
| 6170.00                                     | 89.96         | 179.44                 | 4934.24     | 95.00                    | 1458.34                     | 1454.84 S                                 | 109.28 W | 1458.94@                          | 184.30 | 0.19              |
| 6265.00                                     | 91.45         | 180.04                 | 4933.08     | 95.00                    | 1553.20                     | 1549.83 S                                 | 108.84 W | 1553.65@                          | 184.02 | 1.69              |
| 6360.00                                     | 91.63         | 180.30                 | 4930.52     | 95.00                    | 1648.08                     | 1644.79 S                                 | 109.13 W | 1648.41@                          | 183.80 | 0.33              |
| 6455.00                                     | 91.28         | 180.47                 | 4928.11     | 95.00                    | 1742.97                     | 1739.76 S                                 | 109.76 W | 1743.22@                          | 183.61 | 0.41              |
| 6550.00                                     | 91.19         | 180.41                 | 4926.06     | 95.00                    | 1837.88                     | 1834.74 S                                 | 110.49 W | 1838.06@                          | 183.45 | 0.11              |
| 6646.00                                     | 89.52         | 180.21                 | 4925.47     | 96.00                    | 1933.80                     | 1930.73 S                                 | 111.01 W | 1933.92@                          | 183.29 | 1.75              |
| 6741.00                                     | 90.04         | 180.31                 | 4925.83     | 95.00                    | 2028.71                     | 2025.73 S                                 | 111.44 W | 2028.79@                          | 183.15 | 0.56              |
| 6828.00                                     | 90.84         | 180.35                 | 4925.16     | 87.00                    | 2115.64                     | 2112.72 S                                 | 111.95 W | 2115.69@                          | 183.03 | 0.92              |
| STRAIGHT LINE PROJECTION TO BIT @ 6876' MD. |               |                        |             |                          |                             |                                           |          |                                   |        |                   |
| 6876.00                                     | 90.84         | 180.35                 | 4924.46     | 48.00                    | 2163.59                     | 2160.72 S                                 | 112.24 W | 2163.63@                          | 182.97 | 0.00              |

# PathFinder Energy Services, Inc.

## Magnetic & Grid Calculations

OFFICE

MARBOB ENERGY  
SLY HAWK STATE #5  
EDDY COUNTY, NEW MEXICO  
Rig:PERMIAN 4

Mon Apr 07 15:24:58 2008

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### Coordinates

Latitude: 32.165998 N (32 deg. 9 min. 57.5937 sec.)  
Longitude: 104.067058 W (-104 deg. 4 min. 1.4089 sec.)  
Elevation: 2993.00 feet.  
Calculation Date: Apr/07/2008

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### Magnetic Calculations

Model: IGRF2005  
Dip Angle: 60.1339 degrees  
Total Magnetic Field: 0.48871 gauss  
Magnetic Declination: 8.174443 degrees  
Horizontal Intensity: 0.243363 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.174443 Degr.

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### Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east  
Ellipsoid: Clarke 1866  
X: 582395.0000 feet  
Y: 424213.0000 feet  
True to Grid: (convergence) -0.141759 degrees  
Magnetic to Grid: 8.032685 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 8.032685 Degr.

|                              |
|------------------------------|
| SCIENTIFIC DRILLING CONTROLS |
|------------------------------|

KEEPER GYRO SURVEY  
Directional Survey Report  
for

|        |
|--------|
| MARBOB |
|--------|

|                    |   |                         |
|--------------------|---|-------------------------|
| Well Number        | : | SLY HAWK STATE NO.5     |
| Well Location      | : | EDDY COUNTY, NEW MEXICO |
| Job Number         | : | 32K0408222              |
| Location Latitude  | : | 32.166                  |
| Survey Date        | : | 8-APR-2008              |
| S.D.C. Personnel   | : | ANGEL GUEBARA           |
| Length Units       | : | Feet                    |
| North Reference    | : | GRID North              |
| Grid Correction    | : | 0.14 Degrees            |
| Survey Depth Zero  | : | RKB                     |
| Proposal Direction | : | 182.65                  |
| Calculation Method | : | Minimum Curvature       |

Remarks : The INRUN Survey will be called definitive

# S C I E N T I F I C      D R I L L I N G      C O N T R O L S

Inrun Survey  
for  
MARBOB

Page 1

Well No.: SLY HAWK STATE NO.5

Date : 8-APR-2008

Job No. : 32K0408222

GRID

Proposal : 182.65

| Depth<br>( Feet ) | T.V.D.<br>( Feet ) | V.S.<br>( Feet ) | Inc<br>Deg. | Azimuth<br>Deg. | Latitude<br>( Feet ) | Departure<br>( Feet ) | D-leg<br>/100 |
|-------------------|--------------------|------------------|-------------|-----------------|----------------------|-----------------------|---------------|
| 0.00              | 0.00               | 0.00             | 0.00        | 0.14            | 0.00                 | 0.00                  | 0.00          |
| 100.00            | 99.99              | 0.32             | 1.06        | 113.08          | -0.36                | 0.85                  | 1.06          |
| 200.00            | 199.98             | 1.09             | 1.13        | 119.44          | -1.21                | 2.56                  | 0.14          |
| 300.00            | 299.95             | 1.89             | 1.44        | 108.85          | -2.10                | 4.61                  | 0.39          |
| 400.00            | 399.92             | 2.50             | 1.27        | 106.37          | -2.82                | 6.86                  | 0.18          |
| 500.00            | 499.89             | 3.29             | 1.41        | 118.22          | -3.71                | 9.01                  | 0.31          |
| 600.00            | 599.86             | 4.57             | 1.53        | 126.57          | -5.09                | 11.16                 | 0.25          |
| 700.00            | 699.82             | 6.18             | 1.65        | 129.84          | -6.81                | 13.34                 | 0.15          |
| 800.00            | 799.78             | 7.86             | 1.61        | 127.78          | -8.59                | 15.56                 | 0.07          |
| 900.00            | 899.74             | 9.59             | 1.66        | 132.25          | -10.43               | 17.74                 | 0.14          |
| 1000.00           | 999.71             | 11.46            | 1.46        | 140.67          | -12.38               | 19.62                 | 0.30          |
| 1100.00           | 1099.67            | 13.37            | 1.47        | 140.95          | -14.37               | 21.23                 | 0.01          |
| 1200.00           | 1199.64            | 15.20            | 1.28        | 143.97          | -16.27               | 22.70                 | 0.20          |
| 1300.00           | 1299.62            | 16.85            | 1.44        | 130.80          | -17.99               | 24.31                 | 0.35          |
| 1400.00           | 1399.57            | 18.63            | 1.82        | 131.91          | -19.87               | 26.44                 | 0.38          |
| 1500.00           | 1499.53            | 20.52            | 1.69        | 129.65          | -21.87               | 28.76                 | 0.15          |
| 1600.00           | 1599.48            | 22.34            | 1.69        | 131.85          | -23.80               | 30.99                 | 0.06          |
| 1700.00           | 1699.44            | 24.08            | 1.55        | 129.28          | -25.64               | 33.14                 | 0.16          |
| 1800.00           | 1799.41            | 25.65            | 1.44        | 130.31          | -27.31               | 35.14                 | 0.11          |
| 1900.00           | 1899.37            | 27.22            | 1.76        | 123.95          | -28.98               | 37.38                 | 0.37          |
| 2000.00           | 1999.31            | 28.65            | 2.15        | 112.45          | -30.55               | 40.38                 | 0.55          |
| 2100.00           | 2099.22            | 29.48            | 2.71        | 97.37           | -31.57               | 44.46                 | 0.85          |
| 2200.00           | 2199.11            | 29.90            | 2.81        | 97.79           | -32.21               | 49.23                 | 0.10          |
| 2300.00           | 2299.00            | 30.46            | 2.35        | 102.31          | -32.98               | 53.66                 | 0.50          |
| 2400.00           | 2398.91            | 31.20            | 2.55        | 102.93          | -33.91               | 57.84                 | 0.20          |
| 2500.00           | 2498.81            | 32.01            | 2.64        | 102.98          | -34.93               | 62.25                 | 0.09          |
| 2600.00           | 2598.72            | 32.71            | 2.13        | 101.66          | -35.82               | 66.31                 | 0.51          |
| 2700.00           | 2698.66            | 33.20            | 2.02        | 99.14           | -36.47               | 69.87                 | 0.14          |
| 2800.00           | 2798.59            | 33.60            | 1.99        | 99.14           | -37.03               | 73.33                 | 0.03          |
| 2900.00           | 2898.54            | 33.91            | 1.91        | 96.69           | -37.50               | 76.70                 | 0.12          |
| 3000.00           | 2998.48            | 34.17            | 1.86        | 97.65           | -37.91               | 79.96                 | 0.06          |
| 3100.00           | 3098.43            | 34.41            | 1.84        | 95.92           | -38.29               | 83.17                 | 0.06          |
| 3200.00           | 3198.38            | 34.49            | 1.75        | 92.48           | -38.52               | 86.29                 | 0.14          |
| 3300.00           | 3298.33            | 34.51            | 1.81        | 93.55           | -38.69               | 89.39                 | 0.07          |
| 3400.00           | 3398.29            | 34.67            | 1.65        | 97.94           | -38.98               | 92.39                 | 0.21          |
| 3500.00           | 3498.26            | 34.83            | 0.76        | 94.69           | -39.24               | 94.48                 | 0.89          |
| 3600.00           | 3598.25            | 34.81            | 1.24        | 90.56           | -39.30               | 96.22                 | 0.49          |
| 3700.00           | 3698.23            | 34.85            | 1.12        | 97.52           | -39.44               | 98.27                 | 0.19          |
| 3800.00           | 3798.21            | 34.97            | 0.98        | 94.65           | -39.64               | 100.09                | 0.15          |
| 3900.00           | 3898.20            | 34.97            | 0.87        | 90.87           | -39.72               | 101.70                | 0.13          |

# SCIENTIFIC DRILLING CONTROLS

Inrun Survey  
for  
MARBOB

Page 2

Well No.: SLY HAWK STATE NO.5

Date : 8-APR-2008

Job No. : 32K0408222

GRID

Proposal : 182.65

| Depth<br>( Feet ) | I.V.D.<br>( Feet ) | V.S.<br>( Feet ) | Inc<br>Deg. | Azimuth<br>Deg. | Latitude<br>( Feet ) | Departure<br>( Feet ) | D-leg<br>/100 |
|-------------------|--------------------|------------------|-------------|-----------------|----------------------|-----------------------|---------------|
|-------------------|--------------------|------------------|-------------|-----------------|----------------------|-----------------------|---------------|

|         |         |       |      |       |        |        |      |
|---------|---------|-------|------|-------|--------|--------|------|
| 4000.00 | 3998.19 | 34.91 | 0.89 | 89.83 | -39.73 | 103.24 | 0.03 |
| 4100.00 | 4098.18 | 34.86 | 0.70 | 91.23 | -39.74 | 104.63 | 0.19 |
| 4200.00 | 4198.17 | 34.84 | 0.71 | 92.32 | -39.78 | 105.86 | 0.02 |
| 4300.00 | 4298.16 | 34.76 | 0.99 | 87.51 | -39.76 | 107.34 | 0.29 |
| 4388.00 | 4386.15 | 34.60 | 0.72 | 83.78 | -39.67 | 108.65 | 0.31 |

The Horizontal Displacement ( in Feet ) at  
Measured Depth 4388.00 is 115.67 in a Direction of 110.06 Degrees

182.65