

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. Div-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Marathon Oil Company

3a. Address

P.O. Box 552 Midland, TX 79702

3b. Phone No. (include area code)

1-800-351-1417

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1383' FNL & 1586' FNL Sec. 28, T-21-S, R-24-E

BHL @ 2397' FSL & 2014' FNL Sec. 28, T-21-S, R-24-E

5. Lease Serial No.

NM-030482

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

INDIAN HILLS UNIT

8. Well Name and No.

INDIAN HILLS UNIT 53

9. API Well No.

30-015-32875

10. Field and Pool, or Exploratory Area

INDIAN BASIN U. P. Assoc.

11. County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |                                               |                                           |                                                    |                                         |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |                                         |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                         |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please see attached well summary report.

ACCEPTED FOR RECORD

OCT - 6 2003

LES BABYAK  
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Mick

Title

Eng. Tech

Date 10-02-03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Casing Report**

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL DRILLING

Report #: 1  
 Start: 8/7/2003

Spud Date: 8/14/2003  
 Report Date: 8/15/2003  
 End:

**General Information**

|                             |                                |                     |                          |
|-----------------------------|--------------------------------|---------------------|--------------------------|
| String Type: SURFACE CASING | Permanent Datum: KELLY BUSHING | Hole Size:          | Hole TMD: 1,210.0 (ft)   |
| Hole TVD: 1,210.0 (ft)      | KB-Datum: 0.00 (ft)            | Water TMD:          | Str Wt on Slips: (lb)    |
| Ground Level: 3,702.00 (ft) | CF Elevation: (ft)             | Liner Overlap: (ft) | Max Hole Angle: 0.40 (°) |
| Circ Hours: (hr)            | Mud Lost: (bbl)                | KB to Cutoff: (ft)  | Days From Spud: (days)   |

**Casing Flange / Wellhead**

|                            |                 |                                           |
|----------------------------|-----------------|-------------------------------------------|
| Manufacturer: WOOD GROUP   | Model: FMC C-22 | Top Hub/Flange: 11.000 (in) / 3,000 (psi) |
| Hanger Model: 11" x 9 5/8" | Packoff Model:  | BTM Hub/Flange: 9.625 (in) / (psi)        |

Actual TMD Set: 1,210.120 (ft)

**Integral Casing Detail**

| Item               | Size (in) | Weight (lb/ft) | Grade | Drift (in) | Threads | JTS | Length (ft) | Top (ft) | MU Torq (ft-lbf) | THD | Manufacturer | Model | Cond. | Max OD (in) | Min ID (in) | Comp. Name |
|--------------------|-----------|----------------|-------|------------|---------|-----|-------------|----------|------------------|-----|--------------|-------|-------|-------------|-------------|------------|
| CASING FLOAT SHOE  | 9.625     | 36.0           | K-55  | 8.765      | 8 ROUND | 1   | 1.100       |          |                  |     |              |       | NEW   |             | 8.921       |            |
| CASING JOINT(S)    | 9.625     | 36.0           | K-55  | 8.765      | 8 ROUND | 1   | 44.970      | 1.10     |                  |     |              |       | NEW   |             | 8.921       |            |
| CASING FLOAT COLLA | 9.625     | 36.0           | K-55  | 8.765      | 8 ROUND | 1   | 1.100       | 46.07    |                  |     |              |       | NEW   |             | 8.921       |            |
| CASING JOINT(S)    | 9.625     | 36.0           | K-55  | 8.765      | 8 ROUND | 26  | 1,162.950   | 47.17    |                  |     |              |       | NEW   |             | 8.921       |            |

**Non-Integral Casing Accessories**

| Accessory   | Manufacturer | Number | Spacing (ft) | Interval |             | How Fixed |
|-------------|--------------|--------|--------------|----------|-------------|-----------|
|             |              |        |              | Top (ft) | Bottom (ft) |           |
| CENTRALIZER | GEMCO        | 11     | 90.0         | 45.0     | 1,195.0     | CLAMPED   |

# Marathon Oil Company

## Cementing Report

Page 1 of 3

|                                            |                 |                        |
|--------------------------------------------|-----------------|------------------------|
| Legal Well Name: INDIAN HILLS UNIT NO. 53  | Report #: 1     | Spud Date: 8/14/2003   |
| Common Well Name: INDIAN HILLS UNIT NO. 53 | Start: 8/7/2003 | Report Date: 8/15/2003 |
| Event Name: ORIGINAL DRILLING              |                 | End:                   |

### Cement Job Type: Primary

| Primary                  | Squeeze Open Hole | Squeeze Casing | Plug          |
|--------------------------|-------------------|----------------|---------------|
| Hole Size: 12.250 (in)   | Hole Size:        | Hole Size:     | Hole Size:    |
| TMD Set: 1,210.0 (ft)    | SQ TMD: (ft)      | TMD Set:       | Top Set: (ft) |
| Date Set: 8/15/2003      | SQ Date:          | Date Set:      | BTM set: (ft) |
| Csg Type: SURFACE CASING | SQ Type:          | Csg Type:      | Plug Date:    |
| Csg Size: 9.625 (in)     |                   | SQ TMD:        | Plug Type:    |
|                          |                   | SQ Date:       | Drilled Out:  |
| Cmt. Csg: OPEN HOLE      | Cmt. Csg:         | Cmt. Csg:      | Cmt. Csg:     |

Cement Co: HALLIBURTON

Cementer:

Pipe Movement: NO MOVEMENT

### Pipe Movement

|                   |             |      |                       |                      |                      |
|-------------------|-------------|------|-----------------------|----------------------|----------------------|
| Rot Time Start: : | Time End: : | RPM: | Init Torque: (ft-lbf) | Avg Torque: (ft-lbf) | Max Torque: (ft-lbf) |
| Rec Time Start: : | Time End: : | SPM: | Stroke Length: (ft)   | Drag Up: (lb)        | Drag Down: (lb)      |

### Stage No: 1 of 1

|                           |                       |                               |                               |
|---------------------------|-----------------------|-------------------------------|-------------------------------|
| Type: PRIM CMT 1ST STAGE  | Start Mix Cmt: 18:30  | Disp Avg Rate: 4.00 (bbl/min) | Returns: 100% returns         |
| Volume Excess %: 100.00   | Start Slurry Displ: : | Disp Max Rate: 6.00 (bbl/min) | Total Mud Lost: (bbl)         |
| Meas. From: KB            | Start Displ: :        | Bump Plug: Y                  | Cmt Vol to Surf: 120.00 (bbl) |
| Time Circ Prior           | End Pumping: :        | Press Prior: 600 (psi)        |                               |
| To Cementing: 1.00        | End Pump Date:        | Press Bumped: 900 (psi)       | Ann Flow After: N             |
| Mud Circ Rate: 250 (gpm)  | Top Plug: N           | Press Held: 5 (min)           | Mixing Method:                |
| Mud Circ Press: 300 (psi) | Bottom Plug: Y        | Float Held: Y                 | Density Meas By:              |

### Mud Data

|                                              |                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Type: AIR/GAS Density: (ppg) Visc: (s/qt)    | PV/YP: (cp) (lb/100ft <sup>2</sup> ) Gels 10 sec: (lb/100ft <sup>2</sup> ) Gels 10 min: (lb/100ft <sup>2</sup> ) |
| Bottom Hole Circulating Temperature: 76 (°F) | Bottom Hole Static Temperature: (°F)                                                                             |
| Displacement Fluid Type: FRESH WATER         | Density: 8.4 (ppg) Volume: 138.00 (bbl)                                                                          |

### Stage No: 1 Slurry No: 1 of 4

#### Slurry Data

|                          |                                   |                        |                                   |
|--------------------------|-----------------------------------|------------------------|-----------------------------------|
| Fluid Type: LEAD         | Description: FOAM                 | Class: CLASS C         | Purpose: FILLER CEM               |
| Slurry Interval: (ft)    | To: 837.00 (ft) Cmt Vol: 650 (sk) | Density: 14.8 (ppg)    | Yield: 1.34 (ft <sup>3</sup> /sk) |
| Water Source: Frac-tanks | Slurry Vol: 10.0 (bbl)            | Water Vol: 120.0 (bbl) | Other Vol: ()                     |
|                          |                                   |                        | Foam Job: Y                       |

#### Test Data

|                           | Time              | Temp                          | Pressure         |
|---------------------------|-------------------|-------------------------------|------------------|
| Thickening Time: 3.00     | Temperature: (°F) | Compressive Strength 1: 12.00 | (°F) 600 (psi)   |
| Free Water: (%)           | Temperature: (°F) | Compressive Strength 2: 24.00 | (°F) 1,950 (psi) |
| Fluid Loss: 800.0 (cc)    | Temperature: (°F) |                               |                  |
| Fluid Loss Pressure: (°F) |                   |                               |                  |

**Cementing Report**

Legal Well Name: INDIAN HILLS UNIT NO. 53

Common Well Name: INDIAN HILLS UNIT NO. 53

Event Name: ORIGINAL DRILLING

Report #: 1

Start: 8/7/2003

Spud Date: 8/14/2003

Report Date: 8/15/2003

End:

**Stage No: 1 Slurry No: 1 of 4 - Additives**

| Trade Name    | Type        | Concentration | Units | Liquid Conc. | Units  |
|---------------|-------------|---------------|-------|--------------|--------|
| 1.5% ZoneSeal |             | 1.50          |       |              | % BWOC |
| CALC2         | ACCELERATOR | 2.00          |       |              | % BWOC |

**Stage No: 1 Slurry No: 2 of 4****Slurry Data**

Fluid Type: TAIL

Description: NEAT

Class: CLASS C

Purpose: SHOE INTEG

Slurry Interval: (ft) To: (ft)

Cmt Vol: 150 (sk)

Density: 14.8 (ppg)

Yield: 1.34 (ft<sup>3</sup>/sk)

Mix Water: 6.34 (gal/sk)

Water Source: Frac tanks

Slurry Vol: (bbl)

Water Vol: 36.0 (bbl)

Other Vol: ( )

Foam Job: N

**Test Data**

Thickening Time:

Temperature: (°F)

Compressive Strength 1: 12.00

Time

Temp

Pressure

(°F)

1,800 (psi)

Free Water: (%)

Temperature: (°F)

Compressive Strength 2: 24.00

(°F)

3,200 (psi)

Fluid Loss: (cc)

Temperature: (°F)

Fluid Loss Pressure: (°F)

**Stage No: 1 Slurry No: 2 of 4 - Additives**

| Trade Name | Type        | Concentration | Units | Liquid Conc. | Units  |
|------------|-------------|---------------|-------|--------------|--------|
| CALC2      | ACCELERATOR | 2.00          |       |              | % BWOC |
| Cal-Seal   |             | 10.00         |       |              | % BWOC |

**Stage No: 1 Slurry No: 3 of 4****Slurry Data**

Fluid Type: OTHER

Description: FOAM

Class: CLASS C

Purpose: FILLER CEM

Slurry Interval: 200.00 (ft) To: 450.00 (ft)

Cmt Vol: 150 (sk)

Density: 14.8 (ppg)

Yield: 1.35 (ft<sup>3</sup>/sk)

Mix Water: 6.37 (gal/sk)

Water Source:

Slurry Vol: (bbl)

Water Vol: (bbl)

Other Vol: ( )

Foam Job: Y

**Test Data**

Thickening Time:

Temperature: (°F)

Compressive Strength 1: 12.00

Time

Temp

Pressure

(°F)

600 (psi)

Free Water: (%)

Temperature: (°F)

Compressive Strength 2: 24.00

(°F)

1,200 (psi)

Fluid Loss: 800.0 (cc)

Temperature: (°F)

Fluid Loss Pressure: (°F)

**Stage No: 1 Slurry No: 3 of 4 - Additives**

| Trade Name  | Type | Concentration | Units | Liquid Conc. | Units  |
|-------------|------|---------------|-------|--------------|--------|
| ZoneSealant |      | 1.50          |       |              | % BWOC |
| CaCl2       |      | 2.00          |       |              | % BWOC |

**Marathon Oil Company**  
**Cementing Report**

Page 3 of 3

|                   |                          |           |          |              |           |
|-------------------|--------------------------|-----------|----------|--------------|-----------|
| Legal Well Name:  | INDIAN HILLS UNIT NO. 53 | Report #: | 1        | Spud Date:   | 8/14/2003 |
| Common Well Name: | INDIAN HILLS UNIT NO. 53 | Start:    | 8/7/2003 | Report Date: | 8/15/2003 |
| Event Name:       | ORIGINAL DRILLING        | End:      |          |              |           |

**Stage No: 1 Slurry No: 4 of 4**

**Slurry Data**

|                  |               |              |                  |            |            |            |                |
|------------------|---------------|--------------|------------------|------------|------------|------------|----------------|
| Fluid Type:      | OTHER         | Description: | BENTONITE ACCEL. | Class:     | CLASS C    | Purpose:   | CONDUCTOR      |
| Slurry Interval: | (ft) To: (ft) | Cmt Vol:     | 30 (sk)          | Density:   | 14.8 (ppg) | Yield:     | 1.32 (ft³/sk)  |
| Water Source:    |               | Slurry Vol:  | (bbl)            | Water Vol: | (bbl)      | Other Vol: | ()             |
|                  |               |              |                  |            |            | Mix Water: | 14.80 (gal/sk) |
|                  |               |              |                  |            |            | Foam Job:  | Y              |

**Test Data**

|                      |            |                   |                         |       |      |             |
|----------------------|------------|-------------------|-------------------------|-------|------|-------------|
|                      |            | Temperature: (°F) | Compressive Strength 1: | 12.00 | (°F) | 1,800 (psi) |
| Thickening Time:     |            |                   | Compressive Strength 2: | 24.00 | (°F) | 3,200 (psi) |
| Free Water:          | (%)        | Temperature: (°F) |                         |       |      |             |
| Fluid Loss:          | 200.0 (cc) | Temperature: (°F) |                         |       |      |             |
| Fluid Loss Pressure: | (°F)       |                   |                         |       |      |             |

**Stage No: 1 Slurry No: 4 of 4 - Additives**

| Trade Name | Type        | Concentration | Units | Liquid Conc. | Units  |
|------------|-------------|---------------|-------|--------------|--------|
| CALC2      | ACCELERATOR | 2.00          |       |              | % BWOC |
| Cal-Seal   |             | 10.00         |       |              | % BWOC |

**Casing Test**

**Shoe Test**

**Liner Top Test**

|                         |                  |                          |
|-------------------------|------------------|--------------------------|
| Test Press: 2,000 (psi) | Pressure: (ppge) | Liner Lap:               |
| For: 10 (min)           | Tool: N          | Pos Test: (ppge) Tool: N |
| Cement Found between    | Open Hole: (ft)  | Neg Test: (ppge) Tool: N |
| Shoe and Collar: Y      | Hrs Before Test: | Hrs Before Test:         |
|                         |                  | Cement Found on Tool: N  |

**Log/Survey Evaluation**

**Interpretation Summary**

|                       |                                      |
|-----------------------|--------------------------------------|
| CBL Run: N            | Cement Top: 100 (ft)                 |
| Under Pressure: (psi) | How Determined: Water Volume/Filled  |
| Bond Quality:         | TOC Sufficient: N                    |
| Cet Run: N            | Job Rating:                          |
| Bond Quality:         | If Unsuccessful Detection Indicator: |
| Temp Survey: N        | Remedial Cementing Required: N       |
| Hrs Prior to Log:     | Number of Remedial Squeezes:         |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL DRILLING  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 8/7/2003  
 Rig Release: 8/30/2003  
 Rig Number: 4  
 Spud Date: 8/14/2003  
 End:  
 Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase  | Description of Operations                                                                                                                                                                                                                                                                                            |
|-----------|---------------|-------|-------|----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/13/2003 | 06:00 - 22:00 | 16.00 | RIG   | MIRU     | MIRU   | Location built by Key Services: Added on to IHU #34<br>Drilled & set 40' by 14" conductor pipe, rat & mouse hole.<br>Cemented conductor to surface. Welded on 13 5/8" flange & N/U 13 5/8" 3m Hydril w/ rotating head. MIRU rig & equipment. Weld on flowline RU/RD Equipment. PU 12 1/4" hammer bit. Safety meeting |
| 8/15/2003 | 06:00 - 09:00 | 3.00  | EQUIP | RURD     | MIRU   | Spudded 12 1/4" hole @ 0900 hrs. Drill Open Hole Rotary. Air drilled f/ 56' t/ 295'.                                                                                                                                                                                                                                 |
|           | 09:00 - 13:30 | 4.50  | DRILL | DOHR     | DRLSUR | Survey. Redman shut down Booster to ck oil. Not able to start. Chg out starter. Down 1 hr.                                                                                                                                                                                                                           |
|           | 13:30 - 14:45 | 1.25  | EQUIP | REQP     | DRLSUR | Air Drilling. Water @ 491'. 2 t/3 BPM.                                                                                                                                                                                                                                                                               |
|           | 14:45 - 20:30 | 5.75  | DRILL | AIR      | DRLSUR | Survey with GYRO system                                                                                                                                                                                                                                                                                              |
|           | 20:30 - 20:45 | 0.25  | SURV  | GYRO     | DRLSUR | Aired drilled                                                                                                                                                                                                                                                                                                        |
| 8/16/2003 | 20:45 - 02:15 | 5.50  | DRILL | AIR      | DRLSUR | Survey with GYRO system                                                                                                                                                                                                                                                                                              |
|           | 02:15 - 02:30 | 0.25  | SURV  | GYRO     | DRLSUR | Aired drilled 30 GPH 3200 SCF Drilling 48'/hr.                                                                                                                                                                                                                                                                       |
|           | 02:30 - 06:00 | 3.50  | DRILL | AIR      | DRLSUR | Air Drilling                                                                                                                                                                                                                                                                                                         |
|           | 06:00 - 09:00 | 3.00  | DRILL | AIR      | DRLSUR | Survey with GYRO system                                                                                                                                                                                                                                                                                              |
|           | 09:00 - 09:15 | 0.25  | SURV  | GYRO     | DRLSUR | Air Drilling                                                                                                                                                                                                                                                                                                         |
|           | 09:15 - 13:00 | 3.75  | DRILL | AIR      | DRLSUR | Survey with GYRO system                                                                                                                                                                                                                                                                                              |
|           | 13:00 - 13:15 | 0.25  | CIRC  | CLN      | DRLSUR | Circulate Clean                                                                                                                                                                                                                                                                                                      |
|           | 13:15 - 13:30 | 0.25  | SURV  | GYRO     | DRLSUR | Survey with GYRO system                                                                                                                                                                                                                                                                                              |
|           | 13:30 - 14:30 | 1.00  | TRIP  | BIT      | DRLSUR | TOOH. LD 1- 8" DC. L/D Hammer.                                                                                                                                                                                                                                                                                       |
|           | 14:30 - 17:30 | 3.00  | CSG   | RUN      | CSGSUR | Safety meeting. RU. Ran 27 jts of 9 5/8", 36#, K-55 csg. Landed @ 1210'.                                                                                                                                                                                                                                             |
|           | 17:30 - 18:30 | 1.00  | CIRC  | CLN      | CSGSUR | Circulate Clean. Good returns.                                                                                                                                                                                                                                                                                       |
|           | 18:30 - 20:00 | 1.50  | CEMT  | PRIM     | CSGSUR | Safety meeting. Tst t/ 3000 psi. RU Cmt. Pumped 10,000 SCF of N2, 20 bbls of gelled water ahead of Cmt w/ 650 sks. of Premuim Plus( foamed) tailed w/ 150 sks of Premuim Plus w/ 2% CaCl2. Circ 400 sks. Bullheaded 35 sks of Thix-set down annulus. SI @ 108 psi.                                                   |
|           | 20:00 - 00:00 | 4.00  | WAIT  | CEMT     | CSGSUR | Wait on Cement                                                                                                                                                                                                                                                                                                       |
|           | 00:00 - 03:00 | 3.00  | NUND  | UBOP     | CSGSUR | Cut of 14" & 9 5/8" csg. Pulled Hydril. Welded on 9 5/8" SOW x 11" 3M Casing head. Tested t/ 1500 psi.                                                                                                                                                                                                               |
|           | 03:00 - 06:00 | 3.00  | NUND  | UBOP     | CSGSUR | NU 11" BOP & choke @ 0600 hrs.                                                                                                                                                                                                                                                                                       |
| 8/17/2003 | 06:00 - 07:00 | 1.00  | NUND  | UBOP     | CSGSUR | Install BOP Equipment                                                                                                                                                                                                                                                                                                |
|           | 07:00 - 12:30 | 5.50  | TEST  | BOP      | CSGSUR | Tested pipe & blind rams, choke, TIW valves t/ 3000 psi high, 250 psi low. Tested Hydril t/ 1500 psi high, 250 psi low. Ran Acc test. Replaced 1-" manual choke & 2" choke valve.                                                                                                                                    |
|           | 12:30 - 15:30 | 3.00  | TRIP  | BBHD     | CSGSUR | PU 8 3/4" bit, Motor, NM DC, Tested Teleco & motor. TIH w/ 6 1/4" DC's & HWDP. Tagged @ 1152'.                                                                                                                                                                                                                       |
|           | 15:30 - 15:45 | 0.25  |       |          | CSGSUR | Test Casing 1500 psi.                                                                                                                                                                                                                                                                                                |
|           | 15:45 - 16:30 | 0.75  | DRILL | CEMT     | CSGSUR | Drill Cement / Drill Shoe                                                                                                                                                                                                                                                                                            |
| 8/18/2003 | 16:30 - 17:30 | 1.00  | EQUIP | RURD     | CSGSUR | Weld saddle in flowline. Hook up RPM's ( Epoch)                                                                                                                                                                                                                                                                      |
|           | 17:30 - 18:15 | 0.75  | DRILL | CEMT     | CSGSUR | Drill Cement / Drill Shoe                                                                                                                                                                                                                                                                                            |
|           | 18:15 - 19:30 | 1.25  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary t/ KOP.                                                                                                                                                                                                                                                                                       |
|           | 19:30 - 20:30 | 1.00  | RIG   | RCNT     | DRLPR  | Repaired Rotary lock.                                                                                                                                                                                                                                                                                                |
|           | 20:30 - 22:30 | 2.00  | CHECK | SURF     | DRLPR  | Trouble shoot Panal t/ Teleco.                                                                                                                                                                                                                                                                                       |
|           | 22:30 - 00:30 | 2.00  | TRIP  | BHA      | DRLPR  | Trip for BHA                                                                                                                                                                                                                                                                                                         |
|           | 00:30 - 05:00 | 4.50  | WAIT  | EQUIP    | DRLPR  | Wait on Teleco.                                                                                                                                                                                                                                                                                                      |
|           | 05:00 - 06:00 | 1.00  | TRIP  | BHA      | DRLPR  | PU new Teleco. TIH @ 0600 hrs.                                                                                                                                                                                                                                                                                       |
|           | 06:00 - 06:30 | 0.50  | TRIP  | BHA      | DRLPR  | Trip for BHA                                                                                                                                                                                                                                                                                                         |
|           | 06:30 - 06:45 | 0.25  | DRILL | DOHS     | DRLPR  | Drill Open Slide                                                                                                                                                                                                                                                                                                     |
|           | 06:45 - 07:15 | 0.50  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                                                                                                                                                                               |
|           | 07:15 - 07:45 | 0.50  | DRILL | DOHS     | DRLPR  | Drill Open Slide                                                                                                                                                                                                                                                                                                     |
|           | 07:45 - 08:00 | 0.25  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                                                                                                                                                                               |
|           | 08:00 - 08:30 | 0.50  | DRILL | DOHS     | DRLPR  | Drill Open Slide                                                                                                                                                                                                                                                                                                     |



## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53

Common Well Name: INDIAN HILLS UNIT NO. 53

Event Name: ORIGINAL DRILLING

Contractor Name: MCVAY DRILLING

Rig Name: MCVAY DRILLING

Start: 8/7/2003

Rig Release: 8/30/2003

Rig Number: 4

Spud Date: 8/14/2003

End:

Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase | Description of Operations |
|-----------|---------------|-------|-------|----------|-------|---------------------------|
| 8/18/2003 | 08:30 - 09:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 09:00 - 09:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 09:15 - 09:30 | 0.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 09:30 - 09:45 | 0.25  | EQUIP | RSEQ     | DRLPR | Chg out flowline valve.   |
|           | 09:45 - 10:30 | 0.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 10:30 - 10:45 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 10:45 - 12:00 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 12:00 - 12:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 12:15 - 12:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 12:45 - 13:15 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 13:15 - 13:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 13:45 - 14:00 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 14:00 - 14:30 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 14:30 - 14:45 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 14:45 - 15:15 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 15:15 - 15:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 15:45 - 16:15 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 16:15 - 16:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 16:30 - 17:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 17:00 - 17:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 17:30 - 18:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 18:00 - 18:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 18:30 - 19:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 19:00 - 19:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 19:30 - 20:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 20:00 - 20:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 20:15 - 20:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 20:45 - 21:00 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 21:00 - 23:15 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 23:15 - 23:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 23:30 - 00:45 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 00:45 - 01:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 01:00 - 02:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 02:00 - 02:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 02:15 - 02:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 02:30 - 03:45 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 03:45 - 04:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 04:00 - 04:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 04:15 - 06:00 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
| 8/19/2003 | 06:00 - 07:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 07:00 - 07:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 07:15 - 07:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 07:30 - 10:00 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 10:00 - 10:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 10:15 - 10:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 10:30 - 11:45 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 11:45 - 12:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 12:00 - 12:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 12:15 - 16:15 | 4.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 16:15 - 16:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |
|           | 16:30 - 16:45 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide          |
|           | 16:45 - 18:30 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary    |
|           | 18:30 - 18:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools     |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53

Common Well Name: INDIAN HILLS UNIT NO. 53

Event Name: ORIGINAL DRILLING

Start: 8/7/2003

Spud Date: 8/14/2003

Contractor Name: MCVAY DRILLING

Rig Release: 8/30/2003

End:

Rig Name: MCVAY DRILLING

Rig Number: 4

| Date      | From - To     | Hours | Code  | Sub Code | Phase | Description of Operations                                                                                                                   |
|-----------|---------------|-------|-------|----------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 8/19/2003 | 18:45 - 19:00 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 19:00 - 20:45 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 20:45 - 21:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 21:00 - 21:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 21:15 - 23:00 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 23:00 - 23:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 23:15 - 01:30 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 01:30 - 01:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 01:45 - 02:15 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 02:15 - 04:15 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 04:15 - 04:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 04:30 - 06:00 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
| 8/20/2003 | 06:00 - 07:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 07:00 - 07:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 07:15 - 07:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 07:45 - 09:45 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 09:45 - 10:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 10:00 - 10:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 10:30 - 12:45 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 12:45 - 13:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 13:00 - 16:00 | 3.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 16:00 - 16:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 16:15 - 18:45 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 18:45 - 19:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 19:00 - 19:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 19:30 - 21:45 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 21:45 - 22:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 22:00 - 22:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 22:30 - 01:00 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 01:00 - 01:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 01:15 - 02:30 | 1.25  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                            |
|           | 02:30 - 04:45 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
| 8/21/2003 | 04:45 - 05:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 05:00 - 06:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 06:00 - 08:00 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 08:00 - 08:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 08:15 - 10:30 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 10:30 - 10:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 10:45 - 13:15 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 13:15 - 13:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 13:30 - 16:00 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 16:00 - 16:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 16:15 - 16:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide w/ 180 T/F                                                                                                                 |
|           | 16:45 - 19:15 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 19:15 - 19:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 19:30 - 23:15 | 3.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary . Switched to pump #1. 4319' to 4395'. Lower out put & pressure. Cut back on wt. P-rate slowed down to 25' Per hour. |
|           | 23:15 - 23:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 23:30 - 02:00 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 02:00 - 02:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 02:15 - 05:00 | 2.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |
|           | 05:00 - 05:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                       |
|           | 05:15 - 06:00 | 0.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                      |



## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53

Common Well Name: INDIAN HILLS UNIT NO. 53

Event Name: ORIGINAL DRILLING

Contractor Name: MCVAY DRILLING

Rig Name: MCVAY DRILLING

Start: 8/7/2003

Rig Release: 8/30/2003

Rig Number: 4

Spud Date: 8/14/2003

End:

Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase | Description of Operations                                                                                                                       |
|-----------|---------------|-------|-------|----------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/22/2003 | 06:00 - 08:00 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 08:00 - 08:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 08:15 - 08:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide . 160R . Switched to pump #1.                                                                                                  |
|           | 08:45 - 11:45 | 3.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary.Still on pump #1.Replace swabs on pump #2. P-rate slowed down due to less wt on bit & less gpm on motor.                 |
|           | 11:45 - 12:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 12:00 - 15:00 | 3.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary.Switched back to pump #2.                                                                                                |
|           | 15:00 - 15:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 15:15 - 17:15 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 17:15 - 17:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 17:30 - 20:30 | 3.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 20:30 - 20:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 20:45 - 21:45 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 21:45 - 00:30 | 2.75  | TRIP  | BIT      | DRLPR | POOH w/ Bit #2.Bearing were going out on motor.Button's on bit started breaking of on gauge roll on all three comb's. Flat crested wear on bit. |
|           | 00:30 - 01:30 | 1.00  | TRIP  | BBHD     | DRLPR | BHA/Bit Handling. Changed out motor bearing was going out & replace bit. Check motor & MWD O.K.. Installed bit #3.                              |
|           | 01:30 - 05:30 | 4.00  | TRIP  | BIT      | DRLPR | TIH w/ Bit #3 . Picked up kelly & wash 40' to btm. No fill.                                                                                     |
|           | 05:30 - 06:00 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 06:00 - 08:00 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 08:00 - 08:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
| 8/23/2003 | 08:15 - 08:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 110 R                                                                                                                         |
|           | 08:30 - 10:45 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 10:45 - 11:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 11:00 - 11:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 75R                                                                                                                           |
|           | 11:15 - 11:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 11:45 - 12:15 | 0.50  | RIG   | RCNT     | DRLPR | Rig Repair, Contractor owned. Worked on over riding clutch.                                                                                     |
|           | 12:15 - 13:45 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 13:45 - 14:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 14:00 - 14:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide.H/S                                                                                                                            |
|           | 14:15 - 15:00 | 0.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 15:00 - 15:15 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 15R                                                                                                                           |
|           | 15:15 - 16:15 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 16:15 - 16:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 16:30 - 17:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide.H/S                                                                                                                            |
|           | 17:00 - 18:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 18:00 - 18:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 18:15 - 18:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide.                                                                                                                               |
|           | 18:45 - 19:45 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 19:45 - 20:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 20:00 - 20:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                                |
|           | 20:30 - 21:30 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 21:30 - 21:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 21:45 - 22:30 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                                |
|           | 22:30 - 23:30 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 23:30 - 23:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 23:45 - 00:30 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                                |
|           | 00:30 - 01:45 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 01:45 - 02:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |
|           | 02:00 - 02:45 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                                                                                                |
|           | 02:45 - 03:45 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                          |
|           | 03:45 - 04:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                           |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53

Common Well Name: INDIAN HILLS UNIT NO. 53

Event Name: ORIGINAL DRILLING

Contractor Name: MCVAY DRILLING

Rig Name: MCVAY DRILLING

Start: 8/7/2003

Rig Release: 8/30/2003

Rig Number: 4

Spud Date: 8/14/2003

End:

Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase | Description of Operations                                       |
|-----------|---------------|-------|-------|----------|-------|-----------------------------------------------------------------|
| 8/23/2003 | 04:00 - 04:45 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
|           | 04:45 - 06:00 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
| 8/24/2003 | 06:00 - 07:00 | 1.00  | DRILL | DOHS     | DRLPR | Drill Open Slide. 15L                                           |
|           | 07:00 - 08:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 08:15 - 08:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 08:30 - 09:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 30L                                           |
|           | 09:00 - 10:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 10:15 - 10:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 10:30 - 11:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 30L                                           |
|           | 11:00 - 12:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 12:15 - 12:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 12:30 - 13:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 30L                                           |
|           | 13:00 - 14:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 14:15 - 14:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 14:30 - 15:15 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide. 20L                                           |
|           | 15:15 - 15:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 15:45 - 16:15 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 20L                                           |
|           | 16:15 - 16:45 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 16:45 - 17:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 17:00 - 17:45 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide. 25L                                           |
|           | 17:45 - 18:15 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 18:15 - 19:00 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
|           | 19:00 - 19:45 | 0.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 19:45 - 20:45 | 1.00  | RIG   | RCNT     | DRLPR | Rig Repair, Contractor owned. Replaced overriding clutch plate. |
|           | 20:45 - 21:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 21:00 - 21:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
|           | 21:30 - 22:45 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 22:45 - 23:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 23:00 - 00:00 | 1.00  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
| 8/25/2003 | 00:00 - 01:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 01:15 - 01:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 01:30 - 02:15 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
|           | 02:15 - 03:45 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 03:45 - 04:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 04:00 - 04:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide                                                |
|           | 04:30 - 06:00 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 06:00 - 06:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 06:15 - 06:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 45L                                           |
|           | 06:30 - 08:00 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 08:00 - 08:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 08:15 - 08:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 110L                                          |
|           | 08:30 - 11:00 | 2.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 11:00 - 11:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 11:15 - 13:30 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 13:30 - 13:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 13:45 - 14:00 | 0.25  | NUND  | URTH     | DRLPR | Install Rotating Head                                           |
|           | 14:00 - 14:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 175R                                          |
|           | 14:30 - 16:15 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 16:15 - 16:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 16:30 - 17:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 165R                                          |
|           | 17:00 - 18:45 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                          |
|           | 18:45 - 19:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                           |
|           | 19:00 - 19:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide.                                               |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL DRILLING  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 8/7/2003  
 Rig Release: 8/30/2003  
 Rig Number: 4  
 Spud Date: 8/14/2003  
 End:  
 Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase | Description of Operations                                                                                                                              |
|-----------|---------------|-------|-------|----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/25/2003 | 19:30 - 21:00 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 21:00 - 21:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 21:15 - 23:15 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 23:15 - 23:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 23:30 - 00:30 | 1.00  | DRILL | DOHS     | DRLPR | Drill Open Slide. 25R                                                                                                                                  |
|           | 00:30 - 02:15 | 1.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 02:15 - 02:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 02:30 - 03:45 | 1.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. HS                                                                                                                                   |
|           | 03:45 - 06:00 | 2.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Switched to pump #1 @ depth 7145' to 7170'. Swab on motor side went out. Switched back to #2 @ 7170'.                          |
|           |               |       |       |          |       |                                                                                                                                                        |
| 8/26/2003 | 06:00 - 06:45 | 0.75  | DRILL | DOHS     | DRLPR | Drill Open Slide. 30L                                                                                                                                  |
|           | 06:45 - 07:15 | 0.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pumped 10 bbl sweeps w/ magnifier & gel to clean hole.                                                                         |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 07:15 - 07:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 15L                                                                                                                                  |
|           | 07:45 - 08:30 | 0.75  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 08:30 - 08:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 08:45 - 09:15 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 30L                                                                                                                                  |
|           | 09:15 - 10:45 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pump 10-15 bbl sweeps w/ magnifier & gel to clean hole.                                                                        |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 10:45 - 11:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 11:00 - 11:30 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 45L                                                                                                                                  |
|           | 11:30 - 13:00 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 13:00 - 13:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 13:15 - 13:45 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 25L                                                                                                                                  |
|           | 13:45 - 15:15 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pump 10-15 bbl sweeps w/ magnifier & gel to clean hole.                                                                        |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 15:15 - 15:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 15:30 - 17:30 | 2.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 17:30 - 17:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 17:45 - 18:00 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 120L                                                                                                                                 |
|           | 18:00 - 19:30 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pumped                                                                                                                         |
|           | 19:30 - 19:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 19:45 - 20:15 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 120L                                                                                                                                 |
|           | 20:15 - 21:45 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pump 10-15 bbl sweeps w/ magnifier & gel to clean hole.                                                                        |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 21:45 - 22:00 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 22:00 - 23:15 | 1.25  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Started losing returns. Pit check. 18-20 BPH. Started pumping 25 bbl sweeps w/ magnifier to clean hole & help w/ lost returns. |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 23:15 - 23:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 23:30 - 00:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 120L                                                                                                                                 |
|           | 00:00 - 01:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 01:00 - 01:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 01:15 - 01:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 140L                                                                                                                                 |
|           | 01:30 - 02:30 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary                                                                                                                                 |
|           | 02:30 - 02:45 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 02:45 - 04:15 | 1.50  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Pump 25 bbl sweep w/ magnifier w/ gel to sweep hole & help w/ lost returns.                                                    |
|           |               |       |       |          |       |                                                                                                                                                        |
|           | 04:15 - 04:30 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 04:30 - 05:00 | 0.50  | DRILL | DOHS     | DRLPR | Drill Open Slide. 140L                                                                                                                                 |
|           | 05:00 - 06:00 | 1.00  | DRILL | DOHR     | DRLPR | Drill Open Hole Rotary. Losing up to 30-35 bph.                                                                                                        |
| 8/27/2003 | 06:00 - 06:15 | 0.25  | SURV  | MWD      | DRLPR | Survey with MWD Tools                                                                                                                                  |
|           | 06:15 - 06:30 | 0.25  | DRILL | DOHS     | DRLPR | Drill Open Slide. 160L                                                                                                                                 |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL DRILLING  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 8/7/2003  
 Rig Release: 8/30/2003  
 Rig Number: 4  
 Spud Date: 8/14/2003  
 End:  
 Group:

| Date      | From - To     | Hours | Code  | Sub Code | Phase  | Description of Operations                                                                                                                              |
|-----------|---------------|-------|-------|----------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/27/2003 | 06:30 - 07:30 | 1.00  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                 |
|           | 07:30 - 07:45 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 07:45 - 09:00 | 1.25  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                 |
|           | 09:00 - 09:15 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 09:15 - 09:45 | 0.50  | DRILL | DOHS     | DRLPR  | Drill Open Slide. 150L                                                                                                                                 |
|           | 09:45 - 11:00 | 1.25  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary. Started mudding up @ 8120'.                                                                                                    |
|           | 11:00 - 11:15 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 11:15 - 13:00 | 1.75  | DRILL | DOHS     | DRLPR  | Drill Open Slide                                                                                                                                       |
|           | 13:00 - 13:15 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 13:15 - 15:15 | 2.00  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                 |
|           | 15:15 - 15:30 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 15:30 - 17:45 | 2.25  | DRILL | DOHR     | DRLPR  | Drill Open Hole Rotary                                                                                                                                 |
|           | 17:45 - 18:00 | 0.25  | SURV  | MWD      | DRLPR  | Survey with MWD Tools                                                                                                                                  |
|           | 18:00 - 20:30 | 2.50  | CIRC  | HOLE     | DRLPR  | Circulate and Condition Hole                                                                                                                           |
|           | 20:30 - 21:30 | 1.00  | TRIP  | WTRP     | DRLPR  | Wiper Trip. 12 stand round trip.                                                                                                                       |
|           | 21:30 - 22:15 | 0.75  | CIRC  | HOLE     | DRLPR  | Circulate and Condition Hole. Wash down 31' & spotted pill.                                                                                            |
|           | 22:15 - 02:30 | 4.25  | TRIP  | LOGS     | DRLPR  | POOH to log. Strapped out.                                                                                                                             |
|           | 02:30 - 03:30 | 1.00  | TRIP  | BBHD     | DRLPR  | BHA/Bit Handling. L/D Baker tool's & loaded on truck.                                                                                                  |
|           | 03:30 - 06:00 | 2.50  | LOG   | OPEN     | DRLPR  | Standard Open Hole Logging. R/U & make up tools to log well.                                                                                           |
|           | 06:00 - 10:00 | 4.00  | LOG   | OPEN     | EVALPR | Standard Open Hole Logging. Top of the logging tools hung in the bottom of Logging Adapter. Pulled out of rope socket dropping 60' of tools down hole. |
| 8/28/2003 | 10:00 - 11:30 | 1.50  | FISH  | PFSH     | EVALPR | Waited on overshot                                                                                                                                     |
|           | 11:30 - 18:00 | 6.50  | FISH  | PFSH     | EVALPR | Made up 7 3/8" OD overshot, 3 5/8" grapple. TIH. t/ top of fish @ 8240'. Engaged overshot over fish. Good increase in pump pressure 2-4,000# drag.     |
|           | 18:00 - 23:30 | 5.50  | FISH  | PFSH     | EVALPR | Pull out of Hole with Fishing Tools / Fish                                                                                                             |
|           | 23:30 - 00:30 | 1.00  | FISH  | PFSH     | EVALPR | L/D logging tool & tools. Full recovery.                                                                                                               |
|           | 00:30 - 01:45 | 1.25  | TRIP  | BIT      | EVALPR | TIH w/ 8 3/4" bit & Dc's.                                                                                                                              |
|           | 01:45 - 03:15 | 1.50  | RIG   | SCDL     | EVALPR | Slip and Cut Drill Line                                                                                                                                |
|           | 03:15 - 06:00 | 2.75  | TRIP  | BIT      | EVALPR | TIH w/ 8 3/4" bit t/ 8300'. Circ @ 00600 hrs.                                                                                                          |
|           |               |       |       |          |        |                                                                                                                                                        |
|           |               |       |       |          |        |                                                                                                                                                        |
|           |               |       |       |          |        |                                                                                                                                                        |

**Cementing Report**

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL COMPLETION

Report #: 1  
 Start: 8/7/2003

Spud Date: 8/14/2003  
 Report Date: 8/28/2003  
 End:

**Cement Job Type: Primary**

| Primary                    | Squeeze Open Hole | Squeeze Casing | Plug          |
|----------------------------|-------------------|----------------|---------------|
| Hole Size: 8.750 (in)      | Hole Size:        | Hole Size:     | Hole Size:    |
| TMD Set: 8,515.0 (ft)      | SQ TMD: (ft)      | TMD Set:       | Top Set: (ft) |
| Date Set: 8/29/2003        | SQ Date:          | Date Set:      | BTM set: (ft) |
| Csg Type: PRODUCTION CASIN | SQ Type:          | Csg Type:      | Plug Date:    |
| Csg Size: 7.000 (in)       |                   | SQ TMD:        | Plug Type:    |
|                            |                   | SQ Date:       | Drilled Out:  |
| Cmtd. Csg: OPEN HOLE       | Cmtd. Csg:        | Cmtd. Csg:     | Cmtd. Csg:    |

Cement Co: HALLIBURTON

Cementer:

Pipe Movement: NO MOVEMENT

**Pipe Movement**

Rot Time Start: : Time End: : RPM: Init Torque: (ft-lbf) Avg Torque: (ft-lbf) Max Torque: (ft-lbf)  
 Rec Time Start: : Time End: : SPM: Stroke Length: (ft) Drag Up: 205 (lb) Drag Down: 180 (lb)

**Stage No: 1 of 4**

|                             |                       |                               |                               |
|-----------------------------|-----------------------|-------------------------------|-------------------------------|
| Type: PRIM CMT 1ST STAGE    | Start Mix Cmt: 04:10  | Disp Avg Rate: 7.00 (bbl/min) | Returns: 100%                 |
| Volume Excess %: 60.00      | Start Slurry Displ: : | Disp Max Rate: 5.00 (bbl/min) | Total Mud Lost: (bbl)         |
| Meas. From:                 | Start Displ: :        | Bump Plug: Y                  | Cmt Vol to Surf: 160.00 (bbl) |
| Time Circ Prior             | End Pumping: :        | Press Prior: 25,000 (psi)     |                               |
| To Cementing: 1.45          | End Pump Date:        | Press Bumped: 3,000 (psi)     | Ann Flow After: N             |
| Mud Circ Rate: 388 (gpm)    | Top Plug: N           | Press Held: 5 (min)           | Mixing Method:                |
| Mud Circ Press: 1,500 (psi) | Bottom Plug: N        | Float Held: Y                 | Density Meas By:              |

**Mud Data**

Type: FRESH WATER Density: 8.7 (ppg) Visc: 45 (s/qt) PV/YP: (cp)/8 (lb/100ft<sup>2</sup>) Gels 10 sec: (lb/100ft<sup>2</sup>) Gels 10 min: (lb/100ft<sup>2</sup>)  
 Bottom Hole Circulating Temperature: 126 (°F) Bottom Hole Static Temperature: (°F)  
 Displacement Fluid Type: FRESH WATER Density: 8.3 (ppg) Volume: 334.00 (bbl)

**Stage No: 1 Slurry No: 1 of 1****Slurry Data**

|                                |                       |                       |                                   |
|--------------------------------|-----------------------|-----------------------|-----------------------------------|
| Fluid Type: LEAD               | Description: EXTENDED | Class: CLASS H        | Purpose: FILLER CEM               |
| Slurry Interval: (ft) To: (ft) | Cmt Vol: 100 (sk)     | Density: 15.0 (ppg)   | Yield: 2.55 (ft <sup>3</sup> /sk) |
| Water Source: 7-Rivers         | Slurry Vol: (bbl)     | Water Vol: 47.0 (bbl) | Other Vol: ( )                    |
|                                |                       |                       | Mix Water: 11.10 (gal/sk)         |
|                                |                       |                       | Foam Job: Y                       |

**Test Data**

|                           | Time              | Temp                    | Pressure   |
|---------------------------|-------------------|-------------------------|------------|
| Thickening Time:          | Temperature: (°F) | Compressive Strength 1: | (°F) (psi) |
| Free Water: (%)           | Temperature: (°F) | Compressive Strength 2: | (°F) (psi) |
| Fluid Loss: (cc)          | Temperature: (°F) |                         |            |
| Fluid Loss Pressure: (°F) |                   |                         |            |

**Marathon Oil Company**  
**Cementing Report**

Page 2 of 4

|                   |                          |           |          |              |           |
|-------------------|--------------------------|-----------|----------|--------------|-----------|
| Legal Well Name:  | INDIAN HILLS UNIT NO. 53 | Report #: | 1        | Spud Date:   | 8/14/2003 |
| Common Well Name: | INDIAN HILLS UNIT NO. 53 | Start:    | 8/7/2003 | Report Date: | 8/28/2003 |
| Event Name:       | ORIGINAL COMPLETION      | End:      |          |              |           |

**Stage No: 2 of 4**

|                          |                       |                               |                        |
|--------------------------|-----------------------|-------------------------------|------------------------|
| Type: PRIM CMT 2ND STAGE | Start Mix Cmt: 06:04  | Disp Avg Rate: 5.00 (bbl/min) | Returns: 100%          |
| Volume Excess %: 60.00   | Start Slurry Displ: : | Disp Max Rate: 5.00 (bbl/min) | Total Mud Lost: (bbl)  |
| Meas. From:              | Start Displ: :        | Bump Plug: N                  | Cmt Vol to Surf: (bbl) |
| Time Circ Prior          | End Pumping: :        | Press Prior: (psi)            |                        |
| To Cementing: 9.00       | End Pump Date:        | Press Bumped: 3,000 (psi)     | Ann Flow After: Y      |
| Mud Circ Rate: 388 (gpm) | Top Plug: N           | Press Held: (min)             | Mixing Method:         |
| Mud Circ Press: (psi)    | Bottom Plug: N        | Float Held: Y                 | Density Meas By:       |

**Mud Data**

Type: FRESH WATER Density: 8.7 (ppg) Visc: 45 (s/qt) PV/YP: (cp)/8 (lb/100ft<sup>2</sup>) Gels 10 sec: (lb/100ft<sup>2</sup>) Gels 10 min: (lb/100ft<sup>2</sup>)  
 Bottom Hole Circulating Temperature: (°F) Bottom Hole Static Temperature: (°F)  
 Displacement Fluid Type: Density: (ppg) Volume: (bbl)

**Stage No: 2 Slurry No: 1 of 1**

**Slurry Data**

|                        |                                       |                        |                                   |
|------------------------|---------------------------------------|------------------------|-----------------------------------|
| Fluid Type: LEAD       | Description: FOAM                     | Class: CLASS H         | Purpose: FILLER CEM               |
| Slurry Interval: (ft)  | To: 6,980.00 (ft) Cmt Vol: 1,200 (sk) | Density: 13.0 (ppg)    | Yield: 2.00 (ft <sup>3</sup> /sk) |
| Water Source: 7-Rivers | Slurry Vol: (bbl)                     | Water Vol: 116.0 (bbl) | Other Vol: ()                     |
|                        |                                       |                        | Foam Job: Y                       |

**Test Data**

|                           |                   |                               |           |                      |
|---------------------------|-------------------|-------------------------------|-----------|----------------------|
| Thickening Time:          | Temperature: (°F) | Compressive Strength 1: 12.00 | Time (°F) | Pressure 1,150 (psi) |
| Free Water: (%)           | Temperature: (°F) | Compressive Strength 2: 24.00 | Time (°F) | Pressure 2,100 (psi) |
| Fluid Loss: (cc)          | Temperature: (°F) |                               |           |                      |
| Fluid Loss Pressure: (°F) |                   |                               |           |                      |

**Stage No: 2 Slurry No: 1 of 1 - Additives**

| Trade Name   | Type | Concentration | Units | Liquid Conc. | Units  |
|--------------|------|---------------|-------|--------------|--------|
| Zone Sealant |      | 2.00          |       |              | % BWOC |

**Stage No: 3 of 4**

|                          |                       |                               |                               |
|--------------------------|-----------------------|-------------------------------|-------------------------------|
| Type: PRIM CMT 3RD STAGE | Start Mix Cmt: :      | Disp Avg Rate: 5.00 (bbl/min) | Returns: 100%                 |
| Volume Excess %: 60.00   | Start Slurry Displ: : | Disp Max Rate: 5.00 (bbl/min) | Total Mud Lost: (bbl)         |
| Meas. From:              | Start Displ: :        | Bump Plug: Y                  | Cmt Vol to Surf: 160.00 (bbl) |
| Time Circ Prior          | End Pumping: :        | Press Prior: 2,100 (psi)      |                               |
| To Cementing:            | End Pump Date:        | Press Bumped: 2,600 (psi)     | Ann Flow After: N             |
| Mud Circ Rate: 388 (gpm) | Top Plug: Y           | Press Held: 5 (min)           | Mixing Method:                |
| Mud Circ Press: (psi)    | Bottom Plug: N        | Float Held: Y                 | Density Meas By:              |

**Mud Data**

Type: FRESH WATER Density: 8.7 (ppg) Visc: 45 (s/qt) PV/YP: (cp)/8 (lb/100ft<sup>2</sup>) Gels 10 sec: (lb/100ft<sup>2</sup>) Gels 10 min: (lb/100ft<sup>2</sup>)  
 Bottom Hole Circulating Temperature: (°F) Bottom Hole Static Temperature: (°F)  
 Displacement Fluid Type: FRESH WATER Density: 8.3 (ppg) Volume: 334.00 (bbl)



**Cementing Report**

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL COMPLETION

Report #: 1  
 Start: 8/7/2003

Spud Date: 8/14/2003  
 Report Date: 8/28/2003  
 End:

**Stage No: 3 Slurry No: 1 of 1****Slurry Data**

Fluid Type: TAIL Description: OTHER Class: CLASS H Purpose: SHOE INTEG  
 Slurry Interval: 6,980.00 (ft) To: 8,315.00 (ft) Cmt Vol: 120 (sk) Density: 13.0 (ppg) Yield: 1.67 (ft³/sk) Mix Water: 8.20 (gal/sk)  
 Water Source: Corky Glenn Slurry Vol: (bbl) Water Vol: 36.0 (bbl) Other Vol: () Foam Job: N

**Test Data**

|                           | Time              | Temp                          | Pressure       |
|---------------------------|-------------------|-------------------------------|----------------|
| Thickening Time:          | Temperature: (°F) | Compressive Strength 1: 12.00 | (°F) 150 (psi) |
| Free Water: (%)           | Temperature: (°F) | Compressive Strength 2: 24.00 | (°F) 600 (psi) |
| Fluid Loss: 1,000.0 (cc)  | Temperature: (°F) |                               |                |
| Fluid Loss Pressure: (°F) |                   |                               |                |

**Stage No: 3 Slurry No: 1 of 1 - Additives**

| Trade Name | Type | Concentration | Units | Liquid Conc. | Units    |
|------------|------|---------------|-------|--------------|----------|
| CFR-3      |      | 4.00          |       |              | % BWOC   |
| Gilsonite  |      | 5.00          |       |              | lbs/sack |
| HR-344     |      | 5.00          |       |              | % BWOC   |
| HR-7       |      | 0.20          |       |              | % BWOC   |
| Salt       |      | 1.00          |       |              | lbs/sack |

**Stage No: 4 of 4**

|                       |                       |                          |                        |
|-----------------------|-----------------------|--------------------------|------------------------|
| Type: SUFACE TOPOUT   | Start Mix Cmt: 07:05  | Disp Avg Rate: (bbl/min) | Returns: Bullhead      |
| Volume Excess %:      | Start Slurry Displ: : | Disp Max Rate: (bbl/min) | Total Mud Lost: (bbl)  |
| Meas. From:           | Start Displ: :        | Bump Plug: N             | Cmt Vol to Surf: (bbl) |
| Time Circ Prior       | End Pumping: :        | Press Prior: (psi)       |                        |
| To Cementing:         | End Pump Date:        | Press Bumped: (psi)      | Ann Flow After: Y      |
| Mud Circ Rate: (gpm)  | Top Plug: N           | Press Held: (min)        | Mixing Method:         |
| Mud Circ Press: (psi) | Bottom Plug: N        | Float Held: N            | Density Meas By:       |

**Mud Data**

Type: FRESH WATER Density: 8.7 (ppg) Visc: 45 (s/qt) PV/YP: (cp)/8 (lb/100ft²) Gels 10 sec: (lb/100ft²) Gels 10 min: (lb/100ft²)  
 Bottom Hole Circulating Temperature: (°F) Bottom Hole Static Temperature: (°F)  
 Displacement Fluid Type: FRESH WATER Density: 8.4 (ppg) Volume: 2.00 (bbl)

**Marathon Oil Company**  
**Cementing Report**

Page 4 of 4

|                                            |                 |                        |
|--------------------------------------------|-----------------|------------------------|
| Legal Well Name: INDIAN HILLS UNIT NO. 53  | Report #: 1     | Spud Date: 8/14/2003   |
| Common Well Name: INDIAN HILLS UNIT NO. 53 | Start: 8/7/2003 | Report Date: 8/28/2003 |
| Event Name: ORIGINAL COMPLETION            |                 | End:                   |

**Stage No: 4 Slurry No: 1 of 1**

**Slurry Data**

|                       |                                  |                       |                          |
|-----------------------|----------------------------------|-----------------------|--------------------------|
| Fluid Type: OTHER     | Description: Modified Super "H"  | Class: CLASS H        | Purpose: FILLER CEM      |
| Slurry Interval: (ft) | To: 350.00 (ft) Cmt Vol: 75 (sk) | Density: 14.8 (ppg)   | Yield: 1.35 (ft³/sk)     |
| Water Source:         | Slurry Vol: (bbl)                | Water Vol: 20.0 (bbl) | Other Vol: (l)           |
|                       |                                  |                       | Mix Water: 6.36 (gal/sk) |
|                       |                                  |                       | Foam Job: N              |

**Test Data**

|                           |                   |                         |      |      |          |
|---------------------------|-------------------|-------------------------|------|------|----------|
| Thickening Time:          | Temperature: (°F) | Compressive Strength 1: | Time | Temp | Pressure |
| Free Water: (%)           | Temperature: (°F) | Compressive Strength 2: |      | (°F) | (psi)    |
| Fluid Loss: (cc)          | Temperature: (°F) |                         |      | (°F) | (psi)    |
| Fluid Loss Pressure: (°F) |                   |                         |      |      |          |

**Stage No: 4 Slurry No: 1 of 1 - Additives**

| Trade Name | Type | Concentration | Units | Liquid Conc. | Units    |
|------------|------|---------------|-------|--------------|----------|
| CaCl2      |      | 3.00          |       |              | % BWOC   |
| CalSeal    |      | 10.00         |       |              | lbs/sack |

**Casing Test**

**Shoe Test**

**Liner Top Test**

|                      |                  |                       |
|----------------------|------------------|-----------------------|
| Test Press: (psi)    | Pressure: (ppge) | Liner Lap:            |
| For: (min)           | Tool:            | Pos Test: (ppge)      |
| Cement Found between | Open Hole: (ft)  | Neg Test: (ppge)      |
| Shoe and Collar:     | Hrs Before Test: | Hrs Before Test:      |
|                      |                  | Cement Found on Tool: |

**Log/Survey Evaluation**

**Interpretation Summary**

|                       |                                      |
|-----------------------|--------------------------------------|
| CBL Run:              | Cement Top: (ft)                     |
| Under Pressure: (psi) | How Determined:                      |
| Bond Quality:         | TOC Sufficient:                      |
| Cet Run:              | Job Rating:                          |
| Bond Quality:         | If Unsuccessful Detection Indicator: |
| Temp Survey:          | Remedial Cementing Required:         |
| Hrs Prior to Log:     | Number of Remedial Squeezes:         |

**Remarks**

Circ. 320 sks to pits. 10 psi on annulus after bulheading 75 sks cap.

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL COMPLETION  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 8/7/2003  
 Rig Release: 8/30/2003  
 Rig Number: 4  
 Spud Date: 8/14/2003  
 End:  
 Group:

| Date      | From - To     | Hours | Code   | Sub Code | Phase  | Description of Operations                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|---------------|-------|--------|----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8/29/2003 | 06:00 - 08:00 | 2.00  | DRILL  | DOHR     | CSGPRO | Circ/Drill Open Hole Rotary                                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | 08:00 - 09:30 | 1.50  | CIRC   | CLN      | CSGPRO | Circulate Clean                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 09:30 - 17:30 | 8.00  | TRIP   | LDDP     | CSGPRO | RU L/D machine. Safety meeting. LD DP & DC's.                                                                                                                                                                                                                                                                                                                                                                                                            |
|           | 17:30 - 02:30 | 9.00  | CSG    | RUN      | CSGPRO | Safety meeting. Ran FS, FS, FC, 78- jts of 7", 26#, 100 jts of 7" 23# csg. Landed @ 8315'. No fill.                                                                                                                                                                                                                                                                                                                                                      |
|           | 02:30 - 03:45 | 1.25  | CIRC   | CLN      | CSGPRO | Circulate                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8/30/2003 | 03:45 - 06:00 | 2.25  | CEMT   | PRIM     | CSGPRO | Safety meeting. RU cmt head. Tested lines t/ 4000 psi. Pumped 50,000 SCF of N2 ahead. Pumped 10 bbls of 2% CaCl2 water, 10 bbl water spacer, 24 bbls of Super flush, 10 bbls of water, Slurry-1 Cemented w/ 100 sks of foamed acid soluble cement @ 15 ppg Yield- 2.55. Slurry-2 1200 sks of foamed Premuim 2% Zonesealant, Yield-1.125 @ 15.2 ppg tailed w/ 120 sks of Mod. "H". Cmt @ 06000 hrs.                                                       |
|           | 06:00 - 08:00 | 2.00  | CEMT   | PRIM     | CSGPRO | Safety meeting. RU cmt head. Tested lines t/ 4000 psi. Pumped 50,000 SCF of N2 ahead. Pumped 10 bbls of 2% CaCl2 water, 10 bbl water spacer, 24 bbls of Super flush, 10 bbls of water, Slurry-1 Cemented w/ 100 sks of foamed acid soluble cement @ 15 ppg Yield- 2.55. Slurry-2 1200 sks of foamed Premuim 2% Zonesealant, Yield-1.25 @ 15.2 ppg tailed w/ 120 sks of Mod. "H". Cmt Yield-1.67 @ 13 ppg. Circ 320 sks. Capped w/ 75sks of Premuim plus. |
|           | 08:00 - 14:00 | 6.00  | NUND   | DBOP     | XMBO   | ND BOP. Set 7" slips. Cut off 7" csg. Pulled BOP. NU 11" x 7 1/16"3M Tubing Head. Tested t/ 2000 psi.                                                                                                                                                                                                                                                                                                                                                    |
|           | 14:00 - 15:00 | 1.00  | EQUIP  | RURD     | XMBO   | Jet pits. Rig released @ 1500 hrs CST.                                                                                                                                                                                                                                                                                                                                                                                                                   |
|           | 07:00 - 10:00 | 3.00  | RIG    | MIRU     |        | Pre job safety meeting. WO anchors to be set. Unload, prep and tally 267 jts of 2 7/8" L-80 new tubing. Set and tested anchors. RU PU.                                                                                                                                                                                                                                                                                                                   |
| 9/4/2003  | 10:00 - 16:00 | 6.00  | PLRNRP |          | OTHER  | RU PU/LD machine. PU 264 jts. of tubing. RIH tag at 8269'                                                                                                                                                                                                                                                                                                                                                                                                |
|           | 16:00 - 18:00 | 2.00  | FLUID  | DPLC     | RCMP   | Displace hole with freshwater. Pickle tubing with 1000 gals 17% HCl. Reverse out to acid tank.                                                                                                                                                                                                                                                                                                                                                           |
|           | 18:00 - 19:00 | 1.00  | PLRNRP |          | RCMP   | POOH with tubing 50 stands. SDFN.                                                                                                                                                                                                                                                                                                                                                                                                                        |
|           | 06:00 - 07:00 | 1.00  | PLRNRP |          |        | PJSM, POOH with tubing.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|           | 07:00 - 11:30 | 4.50  | LOG    | CSGD     |        | RU Baker Atlas cased hole loggers. RIH and log from PBTD to 7400'. POOH with W/L Encountered slight drag on bottom 50'. RD cased hole loggers.                                                                                                                                                                                                                                                                                                           |
| 9/5/2003  | 11:30 - 17:30 | 6.00  | PERF   |          |        | RU Baker Atlas. RIH and get on depth. Perforate Upper Penn. Made 9 perf runs (see perforation report). IFL - 500' from surface. FFL - 650' from surface.                                                                                                                                                                                                                                                                                                 |
|           | 17:30 - 18:00 | 0.50  | PLRNRP |          |        | RIH with killstring. SDFN.                                                                                                                                                                                                                                                                                                                                                                                                                               |
|           | 06:45 - 07:30 | 0.75  | PLRNRP |          |        | PJSM. POOH with killstring.                                                                                                                                                                                                                                                                                                                                                                                                                              |
|           | 07:30 - 10:00 | 2.50  | PERF   |          |        | RU Baker Atlas. RIH and perforate Upper Penn. 5 runs from 76212'-7732'. Fluid level at start of operations, 4000' from surface, fluid level on last run, 4400' from surface. RD Baker Atlas.                                                                                                                                                                                                                                                             |
|           | 10:00 - 12:00 | 2.00  | PKRPLG |          |        | PU 7" PPI packers with 2' spacings. RIH and swing above top perf. SDFW.                                                                                                                                                                                                                                                                                                                                                                                  |
| 9/8/2003  | 07:00 - 08:00 | 1.00  | RIG    |          |        | PJSM. MIRU Halliburton Energy Services. Test lines to 3850 psi. Drop RFC valve and function test.                                                                                                                                                                                                                                                                                                                                                        |
|           | 08:00 - 19:00 | 11.00 | STIM   |          |        | PPI new perforations with 100 gpf 17% CCA sour. POOH 10 stands. SDFN.                                                                                                                                                                                                                                                                                                                                                                                    |
| 9/9/2003  | 07:00 - 09:30 | 2.50  | PLRNRP |          |        | PJSM. POOH with PPI packers on production tubing. LD PPI tools.                                                                                                                                                                                                                                                                                                                                                                                          |
|           | 09:30 - 10:30 | 1.00  | PKRPLG |          |        | PU 7" BV RBP and RIH to 3500'. Load and test to 500 psi. POOH to 40 stand killstring. SDFN.                                                                                                                                                                                                                                                                                                                                                              |
| 9/10/2003 | 06:00 - 06:30 | 0.50  | SAFETY | SMTG     | RCMP   | Safety Meeting                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|           | 06:30 - 14:30 | 8.00  | PLRNRP | ESP      | RCMP   | BO psi. POH w/ KS. PU and assembled GC2900 pump w/ 223 stages and tandem 150 HP motors. RU 3 spoolers. Respliced motor lead due to burr in cable. Located 72 protector clamps left over from other job.                                                                                                                                                                                                                                                  |

## Operations Summary Report

Legal Well Name: INDIAN HILLS UNIT NO. 53  
 Common Well Name: INDIAN HILLS UNIT NO. 53  
 Event Name: ORIGINAL COMPLETION  
 Contractor Name: MCVAY DRILLING  
 Rig Name: MCVAY DRILLING

Start: 8/7/2003      Spud Date: 8/14/2003  
 End:  
 Rig Release: 8/30/2003      Group:  
 Rig Number: 4

| Date      | From - To     | Hours | Code   | Sub Code | Phase | Description of Operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|---------------|-------|--------|----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9/10/2003 | 06:30 - 14:30 | 8.00  | PLRNRP | ESP      | RCMP  | RIH on 36 stands of 2 7/8" L-80 tubing until collar clamp supply was exhausted. Left pump swinging. Closed torus and SDFN. Notified engineering to obtain additional clamps for run in tomorrow.                                                                                                                                                                                                                                                                                                                                           |
| 9/11/2003 | 06:30 - 07:00 | 0.50  | SAFETY | SMTG     | RCMP  | Safety Meeting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|           | 07:00 - 14:00 | 7.00  | PLRNRP | ESP      | RCMP  | Bled off. Opened torus. Unloaded pallet of cable clamps. Prepped clamps. CIH w/ pump on 14 additional stands of 2 7/8" tubing to RBP. Latched on to RBP. Allowed pressure to equalize. CIH w/ remaining 157 jts of 2 7/8" tbg. Used a total of 202 protector clamps (1690' f/ surface) PU new hanger. Made top splice. Connected cable to bottom of hanger and 2 CT nylon lines Land hanger in wellhead. Nipple down blow out preventer and torus annular. Build wellhead tubing connections in to casing wrap around. Open flowline. SDFN |

# MARATHON OIL COMPANY

Page 1 of 2

## Daily Drilling Report Development-Gas

|                      |                |        |                         |         |                     |                          |     |               |             |
|----------------------|----------------|--------|-------------------------|---------|---------------------|--------------------------|-----|---------------|-------------|
| WELL NAME            | KB             | GL     | 24 HR PROG              | TMD     | TVD                 | DFS                      | DOL | RPT #         | DATE        |
| UTLEY A-9            | 22.0           | 357.00 |                         | 5,090   | 5,056               | 7                        | 8   | 7             | 28-Sep-2003 |
| SUPERVISOR           | RIG NAME & NO. |        |                         | AUTH MD | WBS                 |                          |     | SAP/WBS COST  |             |
| Danny Jackson        | NABORS 365     |        |                         | 12,637  | DD.03.09208.CAP.DRL |                          |     | 931,000       |             |
| FIELD NAME           | RIG PHONE      |        |                         | MOC WI  | NRI                 | DAILY WELL COST          |     | CUM WELL COST |             |
| MIMMS CREEK          | 903-389-1208   |        |                         | 37.5000 | 31.0246             | 120,498.00               |     | 480,469.08    |             |
| STATE/PROV           | COUNTY/OTHER   |        | LAST CASING             |         |                     | NEXT CASING              |     |               | LEAKOFF     |
| Texas                | Freestone      |        | 9.625 (in) @ 5,090 (ft) |         |                     | 4.500 (in) @ 12,650 (ft) |     |               |             |
| CURRENT STATUS / MTS |                |        | 24 HR FORECAST          |         |                     |                          |     |               |             |
| P/U Motor            |                |        |                         |         |                     |                          |     |               |             |

OPERATION COMMENTS  
Run 9 5/8 Csg., Cement, Nipple up BOP

### OPERATIONS SUMMARY

| FROM  | TO    | HRS  | FROM  | TO    | SUB | PHASE  | OP     | TRBL | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------|-------|------|-------|-------|-----|--------|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06:00 | 07:00 | 1.00 | 5,090 | 5,090 | AF  | DRLIN1 | TRIP   |      | Finish L/D Directional Tools & MWD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 07:00 | 07:30 | 0.50 | 5,090 | 5,090 | AF  | CSGIN1 | SAFETY |      | Hold Pre Job Safety Meeting With Csg. Crew, L/D Machine Operators, And Nabors Emp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 07:30 | 08:30 | 1.00 | 5,090 | 5,090 | AF  | CSGIN1 | EQUIP  |      | RU Bo Gray Csg. Crew & Lay Down Machine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 08:30 | 09:00 | 0.50 | 5,090 | 5,090 | TA  | CSGIN1 | EQUIP  | CSHD | Weld up J hooks on L/D shute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 09:00 | 13:30 | 4.50 | 5,090 | 5,090 | AF  | CSGIN1 | CSG    |      | M/U Float Shoe and Float Collar, Run 110 jts. of 9 5/8", 40#, J-55, Csg. to 5,090'. (1 shoe Jt. 52 Centrilizers installed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 13:30 | 14:00 | 0.50 | 5,090 | 5,090 | AF  | CSGIN1 | CEMT   |      | Install Haliburton Cementing Head and lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 14:00 | 15:30 | 1.50 | 5,090 | 5,090 | AF  | CSGIN1 | CIRC   |      | Circulate and Condition Hole for cement job.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 15:30 | 17:00 | 1.50 | 5,090 | 5,090 | AF  | CSGIN1 | CEMT   |      | Pumped 20 bbl. water spacer, Mix and pump Lead Cement 970 sks. Haliburton Light Cement + 0.3% CFR-3 + 0.3% Econolite, + 0.25# sx. Phenoseal LCM, + 10.64 GPS water. Mixed @ 12.4 ppg. 1.93 CF/sx. 334 bbl. slurry.<br><br>Tailed with 230 sxs. Premium Cement, 5.23 GPS mix water. Mixed @ 15.6 ppg. Yield 1.93 CF/Sx., 48.5 bbls. slurry. Displace with 383 bbls. 9.1 ppg. mud. Bumped plug with 500 psi. over Diff. psi. of 1,100 psi. Floats Held, Bleed back 2.5 bbls. 100% Returns through out job. Returned 80 bbls. Cement to Surface.<br><br>Faxed TRRC District 5 Notification Form and Intention of Cementing. |
| 17:00 | 18:00 | 1.00 | 5,090 | 5,090 | AF  | CSGIN1 | NUND   |      | Flush out Riser, well head, flow line with water, R/D Haliburton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 18:00 | 21:30 | 3.50 | 5,090 | 5,090 | AF  | CSGIN1 | NUND   |      | Lift Riser Set slips with 100% String wt. of 125,000. Make Rough Cut on Csg. Remove Riser and Csg. from under Rig, Make Final Cut on Csg. Install "B" Section, and test to 1,500 psi.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 21:30 | 02:00 | 4.50 | 5,090 | 5,090 | AF  | CSGIN1 | NUND   |      | Nipple up 11" 5M BOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 02:00 | 04:30 | 2.50 | 5,090 | 5,090 | AF  | CSGIN1 | TEST   |      | Test Bop and all related well control equipment to 250 low, 5,000 psi. high. Test Annular to 250 psi. low, 3,000 high.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 04:30 | 05:00 | 0.50 | 5,090 | 5,090 | AF  | CSGIN1 | DRILL  |      | Rig Up & Clear off Floor, Install Wear Bushing, Close Csg. Valve.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 05:00 | 06:00 | 1.00 | 5,090 | 5,090 | AF  | DRLPR  | TRIP   |      | Make up Bit, Motor, Teledrift Sub.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|              |       |      |         |          |     |           |       |            |       |            |          |      |         |      |
|--------------|-------|------|---------|----------|-----|-----------|-------|------------|-------|------------|----------|------|---------|------|
| DENSITY(ppg) |       | 9.10 | PP      |          | ECD | MUD DATA  |       | DAILY COST |       | 0.00       | CUM COST |      | 2937.00 |      |
| FV           | PV/YP | GELS | WL/HTHP | FC/T.SOL | O/W | %Sand/MBT | Ph/pM | Pf/Mf      | Cl/Ca | CaCl2(wt%) | H2S      | LIME | ES      | 6RPM |
| 34           | 5/5   | 2/7  | 18.0/   | /        | /   | /         | 8/    | /          | 600 / |            |          |      |         |      |

## MARATHON OIL COMPANY

Page 2 of 2

Daily Drilling Report  
Development-Gas

|           |      |        |            |       |       |     |     |       |             |
|-----------|------|--------|------------|-------|-------|-----|-----|-------|-------------|
| WELL NAME | KB   | GL     | 24 HR PROG | TMD   | TVD   | DFS | DOL | RPT # | DATE        |
| UTLEY A-9 | 22.0 | 357.00 |            | 5,090 | 5,056 | 7   | 8   | 7     | 28-Sep-2003 |

## MATERIALS / CONSUMPTION

| ITEM   | UNITS | USAGE | ON HAND | ITEM | UNITS | USAGE | ON HAND |
|--------|-------|-------|---------|------|-------|-------|---------|
| DIESEL |       |       |         |      |       |       |         |

## PERSONNEL DATA

POB @ 06:00:

| COMPANY                | SERVICE                   | NO. | HOURS  | COMPANY          | SERVICE                 | NO. | HOURS |
|------------------------|---------------------------|-----|--------|------------------|-------------------------|-----|-------|
| Nabors Drilling USA    | Drilling Contractor       | 11  | 132.00 | Woods Group      | Well Head               | 1   | 5.00  |
| Baroid Drilling Fluids | Mud Engr                  | 1   | 2.00   | Bo Gray          | Csg. Crew & L/D Machine | 4   | 28.00 |
| Brammer Eng.           | Consulting                | 1   | 24.00  | Haliburton       | Cementing               | 4   | 20.00 |
| Scientific Drilling    | Directional driller & MWD | 3   | 18.00  | Jet Blast        | Bop Testing             | 1   | 6.00  |
| Bo Gray                | L/D Machine, Csg. Crew    | 5   | 40.00  | Simons Petroleum | Fuel                    | 1   | 2.00  |

## CASING SUMMARY

| LAST BOP TEST: 9/28/2003 |         |                 | LAST CASING TEST:  |         |          | NEXT BOP TEST: |       |             |
|--------------------------|---------|-----------------|--------------------|---------|----------|----------------|-------|-------------|
| SIZE (in)                | ID (in) | SHOE TEST (ppg) | MAX SICP           | MD (ft) | TVD (ft) | WT (lb/ft)     | GRADE | BURST (psi) |
| 13.375                   | 12.715  |                 | (psi) @ (ppg)      | 1,076   | 1,076    | 48.00          | H-40  | 1,730       |
| 9.625                    | 8.835   |                 | (psi) @ 9.10 (ppg) | 5,090   | 5,056    | 40.00          | J-55  | 3,950       |



## MARATHON OIL COMPANY

Page 1 of 2

Daily Drilling Report  
Development-Gas

|                      |                     |        |                         |         |                     |                          |     |               |             |
|----------------------|---------------------|--------|-------------------------|---------|---------------------|--------------------------|-----|---------------|-------------|
| WELL NAME            | KB                  | GL     | 24 HR PROG              | TMD     | TVD                 | DFS                      | DOL | RPT #         | DATE        |
| UTLEY C-15           | 21.0                | 408.00 | 185.0                   | 10,445  | 10,445              | 13                       | 18  | 13            | 28-Sep-2003 |
| SUPERVISOR           | RIG NAME & NO.      |        |                         | AUTH MD | WBS                 |                          |     | SAP/WBS COST  |             |
| Bruce Ellis          | NABORS DRILLING 151 |        |                         | 12,650  | DD.03.09213.CAP.DRL |                          |     | 850,000       |             |
| FIELD NAME           | RIG PHONE           |        |                         | MOC WI  | NRI                 | DAILY WELL COST          |     | CUM WELL COST |             |
| MIMMS CREEK          | 903-388-8174        |        |                         | 36.8939 | 31.3418             | 20,973.58                |     | 577,530.38    |             |
| STATE/PROV           | COUNTY/OTHER        |        | LAST CASING             |         |                     | NEXT CASING              |     |               | LEAKOFF     |
| Texas                | Freestone           |        | 9.625 (in) @ 5,053 (ft) |         |                     | 4.500 (in) @ 12,700 (ft) |     |               |             |
| CURRENT STATUS / MTS |                     |        | 24 HR FORECAST          |         |                     |                          |     |               |             |
| Drig @ 10,445'       |                     |        | Drill ahead             |         |                     |                          |     |               |             |

## OPERATION COMMENTS

Bit trip, cut drill line, service rig, TIH to 10,170', wash and ream 90' to 10,260', And drill from 10,260' to 10,445'.

## OPERATIONS SUMMARY

| FROM  | TO    | HRS   | FROM   | TO     | SUB | PHASE | OP    | TRBL | DESCRIPTION                                                                                                        |
|-------|-------|-------|--------|--------|-----|-------|-------|------|--------------------------------------------------------------------------------------------------------------------|
| 06:00 | 10:00 | 4.00  | 10,260 | 10,260 | AF  | DRLPR | TRIP  |      | Trip out for Bit No. 5<br>Note: Hole slick and took the right amount of fill.<br>Bit graded as: 8-8-WT-A-E-2-BT-PR |
| 10:00 | 12:00 | 2.00  | 10,260 | 10,260 | AF  | DRLPR | TRIP  |      | Trip in w/ Bit No. 6 to 9-5/8" casing shoe.                                                                        |
| 12:00 | 13:00 | 1.00  | 10,260 | 10,260 | AF  | DRLPR | RIG   |      | Slip and Cut Drill Line                                                                                            |
| 13:00 | 13:30 | 0.50  | 10,260 | 10,260 | AF  | DRLPR | RIG   |      | Service Rig                                                                                                        |
| 13:30 | 15:00 | 1.50  | 10,260 | 10,260 | AF  | DRLPR | TRIP  |      | Trip in w/ Bit No. 6 to 10,170'.                                                                                   |
| 15:00 | 16:30 | 1.50  | 10,260 | 10,260 | AF  | DRLPR | TRIP  |      | Wash/Ream from 10,170' to 10,260'.<br>Note: Pulled bit was 1/8" undergauge.                                        |
| 16:30 | 06:00 | 13.50 | 10,260 | 10,445 | AF  | DRLPR | DRILL |      | Drill Open Hole Rotary from 10,260' to 10,445'.                                                                    |

|              |       |      |         |          |     |           |            |        |          |            |     |      |    |      |
|--------------|-------|------|---------|----------|-----|-----------|------------|--------|----------|------------|-----|------|----|------|
| DENSITY(ppg) | 8.90  | PP   |         | ECD      |     | MUD DATA  | DAILY COST | 438.00 | CUM COST | 9282.00    |     |      |    |      |
| FV           | PV/YP | GELS | WL/HTHP | FC/T.SOL | O/W | %Sand/MBT | Ph/pM      | Pf/Mf  | Cl/Ca    | CaCl2(wt%) | H2S | LIME | ES | 6RPM |
| 29           | 2/2   | /3   | 22.0/   | 2.0/3.0  | /   | /         | 8/         | 0.1/   | 1,000 /  |            |     |      |    |      |

## BITS

| BIT/RUN | SIZE  | MANUF. | TYPE | SERIAL NO. | JETS OR TFA     | DEPTH IN | DATE IN   | I-O-D-L-B-G-O-R     |
|---------|-------|--------|------|------------|-----------------|----------|-----------|---------------------|
| 5 / 1   | 8.750 | Smith  | F80D | MP0765     | 10/10/11/111111 | 9,532.0  | 9/25/2003 | 8-8-BT-A-E- 2-WT-PR |
| 6 / 1   | 8.750 | Smith  | F80D | MP3621     | 11/10/10/111111 | 10,260.0 | 9/28/2003 | 0-0—                |

| BIT / RUN | WOB     | RPM     | GPM | PRESS | P BIT | HRS   | 24Hr DIST | 24Hr ROP | CUM HRS | CUM DEPTH | CUM ROP |
|-----------|---------|---------|-----|-------|-------|-------|-----------|----------|---------|-----------|---------|
| 5 / 1     | 60 / 65 | 58 / 60 | 327 | 2,100 | 1,446 |       |           | 15.60    | 50.00   | 728.0     | 14.56   |
| 6 / 1     | 60 / 65 | 55 / 55 | 327 | 2,100 |       | 13.50 | 185.0     | 13.70    | 13.50   | 185.0     | 13.70   |

## BHA

| BHA NO. | LENGTH   | EFF WT. | PICK UP | SLACK OFF | ROT WT. | TORQUE (max/min) | BHA HRS | JAR HRS | MWD HRS | MTR HRS | SS HRS |
|---------|----------|---------|---------|-----------|---------|------------------|---------|---------|---------|---------|--------|
| 5       | 1,369.09 | 0       | 265,000 | 240,000   |         | /                |         |         |         |         |        |

BHA DESCRIPTION Tri-Cone Bit , Bit Sub , 6-1/4" Drill Collars (36), 9 Joints 4-1/2" HWDP (9)

## PUMP / HYDRAULIC DATA

| NO. | MAKE OF PUMP | STROKE (in) | LINER (in) | SPM | Q (gpm) | PRESS. (psi) | TOTAL Q | KILL SPM / PRESSURE |
|-----|--------------|-------------|------------|-----|---------|--------------|---------|---------------------|
| 1   | NATIONAL     | 9.000       | 6.000      | 104 | 326.51  | 2,100        | 326.51  | 66 925              |
| 2   | NATIONAL     | 9.000       |            |     |         |              | 326.51  | 60 975              |

## MUD VOLUMES (bbl) / ANNULAR VELOCITIES (ft/min)

| HOLE  |       |  |  | TOTAL   | MUD LOST | ANN VEL DP | ANN VEL DC |
|-------|-------|--|--|---------|----------|------------|------------|
| 810.0 | 700.0 |  |  | 1,510.0 |          |            |            |

## SURVEY DATA

| MD       | INCL | AZIMUTH | TVD       | VS     | N/S CUM | E/W CUM | DOGLEG | MD | INCL | AZIMUTH | TVD | VS | N/S CUM | E/W CUM | DOGLEG |
|----------|------|---------|-----------|--------|---------|---------|--------|----|------|---------|-----|----|---------|---------|--------|
| 10,230.0 | 2.00 | 0.00    | 10,226.38 | 255.33 | 255.33  | 0.00    | 0.07   |    |      |         |     |    |         |         |        |

## MARATHON OIL COMPANY

Page 2 of 2

Daily Drilling Report  
Development-Gas

|            |      |        |            |        |        |     |     |       |             |
|------------|------|--------|------------|--------|--------|-----|-----|-------|-------------|
| WELL NAME  | KB   | GL     | 24 HR PROG | TMD    | TVD    | DFS | DOL | RPT # | DATE        |
| UTLEY C-15 | 21.0 | 408.00 | 185.0      | 10,445 | 10,445 | 13  | 18  | 13    | 28-Sep-2003 |

## MATERIALS / CONSUMPTION

| ITEM         | UNITS | USAGE | ON HAND | ITEM    | UNITS | USAGE | ON HAND |
|--------------|-------|-------|---------|---------|-------|-------|---------|
| GEL, FRESH   | 392   | 28    | 392     | Mica    | 50    |       | 73      |
| BARITE SACKS | 480   | 40    | 320     | EZ Mud  | 13    |       | 12      |
| Lime         | 5     |       | 5       | EZ Spot | 9     |       | 9       |
| Caustic Soda | 44    |       | 42      | B-Seal  | 300   |       | 300     |

## PERSONNEL DATA

POB @ 06:00: 13

| COMPANY             | SERVICE | NO. | HOURS  | COMPANY                | SERVICE | NO. | HOURS |
|---------------------|---------|-----|--------|------------------------|---------|-----|-------|
| Marathon            |         | 1   | 24.00  | Baroid Drilling Fluids |         | 1   | 1.00  |
| Nabors Drilling USA |         | 11  | 144.00 |                        |         |     |       |

## CASING SUMMARY

LAST BOP TEST: 9/19/2003

LAST CASING TEST:

NEXT BOP TEST: 10/3/2003

| SIZE (in) | ID (in) | SHOE TEST (ppg) | MAX SICP      | MD (ft) | TVD (ft) | WT (lb/ft) | GRADE | BURST (psi) |
|-----------|---------|-----------------|---------------|---------|----------|------------|-------|-------------|
| 13.375    | 12.715  |                 | (psi) @ (ppg) | 1,070   | 1,070    | 48.00      | H-40  | 1,730       |
| 9.625     | 8.835   |                 | (psi) @ (ppg) | 5,053   | 5,053    | 40.00      | K-55  | 3,920       |

## Page 1 of 2

|                      |                |        |                         |         |                     |                          |     |               |             |  |  |  |  |  |
|----------------------|----------------|--------|-------------------------|---------|---------------------|--------------------------|-----|---------------|-------------|--|--|--|--|--|
| WELL NAME            | KB             | GL     | 24 HR PROG              | TMD     | TVD                 | DFS                      | DOL | RPT #         | DATE        |  |  |  |  |  |
| UTLEY A-9            | 22.0           | 357.00 | 2,108.0                 | 7,198   | 7,164               | 8                        | 9   | 8             | 29-Sep-2003 |  |  |  |  |  |
| SUPERVISOR           | RIG NAME & NO. |        |                         | AUTH MD | WBS                 |                          |     | SAP/WBS COST  |             |  |  |  |  |  |
| Danny Jackson        | NABORS 365     |        |                         | 12,637  | DD.03.09208.CAP.DRL |                          |     | 931,000       |             |  |  |  |  |  |
| FIELD NAME           | RIG PHONE      |        |                         | MOC WI  | NRI                 | DAILY WELL COST          |     | CUM WELL COST |             |  |  |  |  |  |
| MIMMS CREEK          | 903-389-1208   |        |                         | 37.5000 | 31.0246             | 22,810.00                |     | 503,279.08    |             |  |  |  |  |  |
| STATE/PROV           | COUNTY/OTHER   |        | LAST CASING             |         |                     | NEXT CASING              |     |               | LEAKOFF     |  |  |  |  |  |
| Texas                | Freestone      |        | 9.625 (in) @ 5,090 (ft) |         |                     | 4.500 (in) @ 12,650 (ft) |     |               |             |  |  |  |  |  |
| CURRENT STATUS / MTS |                |        | 24 HR FORECAST          |         |                     |                          |     |               |             |  |  |  |  |  |
| Drilling             |                |        |                         |         |                     |                          |     |               |             |  |  |  |  |  |

| OPERATIONS SUMMARY |       |      |       |       |     |       |       |      |                                                                           |
|--------------------|-------|------|-------|-------|-----|-------|-------|------|---------------------------------------------------------------------------|
| FROM               | TO    | HRS  | FROM  | TO    | SUB | PHASE | OP    | TRBL | DESCRIPTION                                                               |
| 06:00              | 09:00 | 3.00 | 5,090 | 5,090 | AF  | DRLPR | TRIP  |      | P/U Motor, Teledrift, TIH to 5,050'                                       |
| 09:00              | 09:30 | 0.50 | 5,090 | 5,090 | AF  | DRLPR | TEST  |      | Test 9 5/8 Csg. to 2,500 psi.                                             |
| 09:30              | 10:00 | 0.50 | 5,090 | 5,090 | AF  | DRLPR | DRILL |      | Drill Cement / Drill Shoe                                                 |
| 10:00              | 17:30 | 7.50 | 5,090 | 5,898 | AF  | DRLPR | DRILL |      | Drill F/5,090' to 5,898'                                                  |
| 17:30              | 18:00 | 0.50 | 5,898 | 5,898 | AF  | DRLPR | RIG   |      | Service Rig                                                               |
| 18:00              | 20:00 | 2.00 | 5,898 | 6,245 | AF  | DRLPR | DRILL |      | Drill F/5,898' to 6,245'                                                  |
| 20:00              | 21:00 | 1.00 | 6,245 | 6,245 | TA  | DRLPR | RIG   |      | Change Swivel Packing                                                     |
| 21:00              | 02:00 | 5.00 | 6,245 | 6,830 | AF  | DRLPR | DRILL |      | Drill F/6,245' to 6,830'                                                  |
| 02:00              | 02:30 | 0.50 | 6,830 | 6,830 | TA  | DRLPR | RIG   |      | Changed Swab #2 Mud Pump                                                  |
| 02:30              | 05:30 | 3.00 | 6,830 | 7,198 | AF  | DRLPR | DRILL |      | Drill F/6,830' to 7,198'                                                  |
| 05:30              | 06:00 | 0.50 | 7,198 | 7,198 | AF  | DRLPR | SURV  |      | Teledrift Surveys @ 5,333, 5,817', 6,067', 6,325', 6,575', 6,801', 7,051' |

|              |        |      |         |          |     |           |       |            |       |            |          |      |         |      |  |
|--------------|--------|------|---------|----------|-----|-----------|-------|------------|-------|------------|----------|------|---------|------|--|
| DENSITY(ppg) |        | 9.10 | PP      |          | ECD | MUD DATA  |       | DAILY COST |       | 0.00       | CUM COST |      | 2937.00 |      |  |
| FV           | PV/Y/P | GELS | WL/HTHP | FC/T.SOL | O/W | %Sand/MBT | Ph/pM | Pf/Mf      | CI/Ca | CaCl2(wt%) | H2S      | LIME | ES      | 6RPM |  |
| 34           | 5/5    | 2/7  | 18.0/   | /        | /   | /         | 8/    | /          | 600 / |            |          |      |         |      |  |

| BIT/RUN | SIZE  | MANUF. | TYPE    | SERIAL NO. | JETS OR TFA           | DEPTH IN DATE IN  | I-O-D-L-B-G-O-R |
|---------|-------|--------|---------|------------|-----------------------|-------------------|-----------------|
| 3 /1    | 8.750 | Reed   | DS199GN | 105399     | 18/18/18/18/18/18//// | 5,090.0 9/29/2003 | 0-0-----        |

| BIT / RUN | WOB | RPM      | GPM | PRESS | P BIT | HRS   | 24Hr DIST | 24Hr ROP | CUM HRS | CUM DEPTH | CUM ROP |
|-----------|-----|----------|-----|-------|-------|-------|-----------|----------|---------|-----------|---------|
| 3 / 1     | /   | 80 / 100 | 565 | 2,300 | 120   | 17.50 | 2,108.0   | 120.46   | 17.50   | 2,108.0   | 120.46  |

| BHA NO. | LENGTH | EFF WT. | PICK UP | SLACK OFF | ROT WT. | TORQUE (max/min) | BHA HRS | JAR HRS | MWD HRS | MTR HRS | SS HRS |
|---------|--------|---------|---------|-----------|---------|------------------|---------|---------|---------|---------|--------|
| 3       | 982.87 | 42.850  | 200.000 | 160.000   | 175.000 | /                |         |         |         |         |        |

|                 |                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BHA DESCRIPTION | Polycrystalline Diamond Bit , Positive Displacement Motor , Teledrift , 6-1/4" Drill Collar (18), Drilling Jar , 6-1/4" Drill Collar (3), 4-1/2" Heavy Weight Drill Pipe (9) |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| NO. | MAKE OF PUMP   | STROKE (in) | LINER (in) | SPM | Q (gpm) | PRESS. (psi) | TOTAL Q | KILL SPM / PRESSURE |
|-----|----------------|-------------|------------|-----|---------|--------------|---------|---------------------|
| 1   | GARDNER-DENVER | 9.000       | 6.000      | 90  | 282.56  | 2,300        | 565.12  |                     |
| 2   | GARDNER-DENVER | 9.000       | 6.000      | 90  | 282.56  | 2,300        | 565.12  |                     |

| MD      | INCL | AZIMUTH | TVD  | VS   | N/S CUM | E/W CUM | DOGLEG | MD      | INCL | AZIMUTH | TVD  | VS   | N/S CUM | E/W CUM | DOGLEG |
|---------|------|---------|------|------|---------|---------|--------|---------|------|---------|------|------|---------|---------|--------|
| 5,333.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   | 6,325.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   |
| 5,817.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   | 6,575.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   |
| 6,067.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   | 6,801.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   |

# MARATHON OIL COMPANY

Page 2 of 2

## Daily Drilling Report Development-Gas

|           |      |        |            |       |       |     |     |       |             |
|-----------|------|--------|------------|-------|-------|-----|-----|-------|-------------|
| WELL NAME | KB   | GL     | 24 HR PROG | TMD   | TVD   | DFS | DOL | RPT # | DATE        |
| UTLEY A-9 | 22.0 | 357.00 | 2,108.0    | 7,198 | 7,164 | 8   | 9   | 8     | 29-Sep-2003 |

### SURVEY DATA

|         |      |         |      |      |         |         |        |    |      |         |     |    |         |         |        |
|---------|------|---------|------|------|---------|---------|--------|----|------|---------|-----|----|---------|---------|--------|
| MD      | INCL | AZIMUTH | TVD  | VS   | N/S CUM | E/W CUM | DOGLEG | MD | INCL | AZIMUTH | TVD | VS | N/S CUM | E/W CUM | DOGLEG |
| 7,051.0 | 1.00 | 0.00    | 0.00 | 0.00 | 0.00    | 0.00    | 0.00   |    |      |         |     |    |         |         |        |

### MATERIALS / CONSUMPTION

|        |       |       |         |      |       |       |         |
|--------|-------|-------|---------|------|-------|-------|---------|
| ITEM   | UNITS | USAGE | ON HAND | ITEM | UNITS | USAGE | ON HAND |
| DIESEL |       |       |         |      |       |       |         |

### PERSONNEL DATA

POB @ 06:00:

|                        |                     |     |        |              |            |     |       |
|------------------------|---------------------|-----|--------|--------------|------------|-----|-------|
| COMPANY                | SERVICE             | NO. | HOURS  | COMPANY      | SERVICE    | NO. | HOURS |
| Nabors Drilling USA    | Drilling Contractor | 11  | 132.00 | Brammer Eng. | Consulting | 1   | 24.00 |
| Baroid Drilling Fluids | Mud Engr            | 1   | 2.00   |              |            |     |       |

### CASING SUMMARY

|                          |         |                 |                    |         |          |                |       |             |
|--------------------------|---------|-----------------|--------------------|---------|----------|----------------|-------|-------------|
| LAST BOP TEST: 9/28/2003 |         |                 | LAST CASING TEST:  |         |          | NEXT BOP TEST: |       |             |
| SIZE (in)                | ID (in) | SHOE TEST (ppg) | MAX SICP           | MD (ft) | TVD (ft) | WT (lb/ft)     | GRADE | BURST (psi) |
| 13.375                   | 12.715  |                 | (psi) @ (ppg)      | 1,076   | 1,076    | 48.00          | H-40  | 1,730       |
| 9.625                    | 8.835   |                 | (psi) @ 9.10 (ppg) | 5,090   | 5,056    | 40.00          | J-55  | 3,950       |