

# COBRA OIL & GAS CORPORATION

P. O. Box 8206 Wichita Falls, Texas 76307-8206 (817) 716-5100

## DAILY DRILLING REPORT

COBRA OIL & GAS CORPORATION, OPERATOR

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### LEWIS UNIT #1

Lea County, New Mexico

Tatum Basin Prospect

675' FL; 114' FWL

Section 3, T10S-R36E

Inline 246 XLine 98

X=829698.67 Y=900468.14

GL: 4023'

PPTD: 12,500'

Ziadril, Inc., Rig #7

05/06/96: Surveys continue.  
(cont'd.)

| MEASURED<br>DEPTH<br>feet | DRIFT<br>ANGLE<br>deg | DRIFT<br>DIRECTION<br>deg | COURSE<br>LENGTH<br>feet | TRUE<br>VERTICAL<br>DEPTH<br>feet | VERTICAL<br>SECTION<br>feet | RECTANGULAR<br>COORDINATES<br>feet | DOGLEG<br>SEVERITY<br>dg/100' |
|---------------------------|-----------------------|---------------------------|--------------------------|-----------------------------------|-----------------------------|------------------------------------|-------------------------------|
| 1,205                     | 0.75                  | N 15.00 E                 | 441                      | 1,205.0                           | -0.1                        | 3.8 N 0.1 E                        | 0.08                          |
| 1,718                     | 0.50                  | S 40.00 W                 | 513                      | 1,718.0                           | 0.4                         | 5.4 N 0.4 W                        | 0.24                          |
| 2,210                     | 1.00                  | S 15.00 W                 | 492                      | 2,209.9                           | 2.9                         | 0.4 S 2.9 W                        | 0.12                          |

Final closure direction S 81.84 W, final closure distance 2.945'.

05/07/96: **TD 3,374'. DAY 4**, salt/anhy, Mde 779' in last 24 hrs, drlg. **DEV SURV:** See chart below. **BHA:** Same. **PUMP #1**, DB-700, 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 57-91, PP 1350 psi, WOB 60,000 @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #3**, 12 $\frac{1}{4}$ ", WM, 53CF, S/N A13247, Jets 11,11,11, In @ 2317', Mde 1057' in 28.5 hrs. **MUD:** Native, MW 9.9#, Vis 35, Slids 4.4%, Oil 2%, pH 9.5, Cl 116,000, Ca 2200, Gels 2/6, PV 14, YP 6. Used 16 sx paper, 10 sx caustic, 35 gals defoamer. DMC \$161, CMC \$1168. **TIME:** 3 hrs drlg, .5 hr surv, 15 hrs drlg, .5 hr surv, .5 hr drlg, .25 hr surv, 4.25 hrs drlg. DWC \$20,100, CWC \$137,050.

| MEASURED<br>DEPTH<br>feet | DRIFT<br>ANGLE<br>deg | DRIFT<br>DIRECTION<br>deg | COURSE<br>LENGTH<br>feet | TRUE<br>VERTICAL<br>DEPTH<br>feet | VERTICAL<br>SECTION<br>feet | RECTANGULAR<br>COORDINATES<br>feet | DOGLEG<br>SEVERITY<br>dg/100' |
|---------------------------|-----------------------|---------------------------|--------------------------|-----------------------------------|-----------------------------|------------------------------------|-------------------------------|
| 2,710                     | 0.50                  | N 35.00 W                 | 500                      | 2,709.9                           | 5.3                         | 2.8 S 5.3 W                        | 0.28                          |
| 3,210                     | 0.50                  | S 75.00 E                 | 500                      | 3,209.9                           | 5.5                         | 1.3 S 5.5 W                        | 0.14                          |

Final closure direction S 76.29 W, final closure distance 5.655'.

05/08/96: **TD 3,851'. DAY 5**, sah/anhy, Mde 477' in last 24 hrs, drlg. **DEV SURV:** See chart below. **BHA:** Same. **PUMP #1**, DB-700, 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 57-91, PP 1600 psi, WOB 60,000 @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #3**, 12 $\frac{1}{4}$ ", WM, 53CF, S/N A13247, Jets 11,11,11, In @ 2317', Mde 1534' in 51.75 hrs. **MUD:** Native/brine, MW 9.6#, Vis 35, Slids 2.3%, Oil 1.5%, pH 9.5, Cl 146,000, Gels 2/5, PV 11, YP 6. Used 13 sx paper, 9 sx caustic, 15 gals defoamer. DMC \$481, CMC \$1648. **TIME:** 7.25 hrs drlg, .5 hr surv, 9 hrs drlg, .5 hr surv, .5 hr w/survey, 7.25 hr drlg. DWC \$13250, CWC \$150,300. Note: Hauled 75 bbls oil, \$1955.69.

Surveys follow:

| MEASURED<br>DEPTH<br>feet | DRIFT<br>ANGLE<br>deg | DRIFT<br>DIRECTION<br>deg | COURSE<br>LENGTH<br>feet | TRUE<br>VERTICAL<br>DEPTH<br>feet | VERTICAL<br>SECTION<br>feet | RECTANGULAR<br>COORDINATES<br>feet | DOGLEG<br>SEVERITY<br>dg/100' |
|---------------------------|-----------------------|---------------------------|--------------------------|-----------------------------------|-----------------------------|------------------------------------|-------------------------------|
| 3,678                     | 0.50                  | N 35.00 E                 | 468                      | 3,677.9                           | 3.3                         | 0.1 N 3.3 W                        | 0.10                          |

Final closure direction N 88.83 W, final closure distance 3.337'.