

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

05/26/96: 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 139-194, PP 1750 psi, WOB 55,000# @ 60 RPM. **PUMP #2**, DB-550, (cont'd.) 5 $\frac{1}{2}$ " x 16". **BIT #6**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N36XU, Jets 12,12,12, In @ 9012', Mde 1328' in 112.5 hrs. **MUD**: Salt gel/starch/oil, MW 9.2#, Vis 37, WI 9.8, Slids 3.1%, Oil 2%, pH 10, CI 51,000, Ca 600, FC 2/32, Gels 2/5, PV 6, YP 7. Used 4 sx caustic, 20 gals defoamer, 10 sx aldicide, 17 sx gel, 17 sx impermix. DMC \$752, CMC \$17,454. **TIME**: .25 hr drlg, 1 hr surv, 22.75 hrs drlg. DWC \$7,700, CWC \$404,070.

05/27/96: **TD 10,564'**. **DAY 24**, lm/sh, Mde 224' in last 24 hrs, drlg. **DEV SURV**: See chart below 5/28/96. **BGG**: 30 units, CG: 35 units. **BHA**: Bit, BS, monel DC, stab, DC, stab, 25 DC = 831.49'. **PUMP #1**, DB-700, 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 139-194, PP 1650 psi, WOB 53,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #6**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N36XU, Jets 12,12,12, In @ 9012', Mde 1552' in 135.5 hrs. **MUD**: Salt gel/starch/oil, MW 9.1#, Vis 37, WI 10, Slids 2.8%, Oil 1.5%, pH 9.5, CI 49,000, Ca 600, FC 2/32, Gels 4/9, PV 7, YP 7. Used 2 sx caustic, 5 sx aldicide, 28 sx gel, 13 sx impermix. DMC \$399, CMC \$17,844. **TIME**: 6 hrs drlg, 1 hr surv, 17 hrs drlg. DWC \$6,950, CWC \$411,650.

05/28/96: **TD 10,777'**. **DAY 25**, lm/sh, Mde 213' in last 24 hrs, drlg. **DEV SURV**: See chart below. **BGG**: 25 units, CG: 25 units. **BHA**: Bit, BS, monel DC, stab, DC, stab, 25 DC = 831.49'. **PUMP #1**, DB-700, 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 139-194, PP 1650 psi, WOB 52,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #6**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N36XU, Jets 12,12,12, In @ 9012', Mde 1365' in 157.75 hrs. **MUD**: Salt gel/starch/oil, MW 9.2#, Vis 41, WI 9.4, Slids 3.2%, Oil 1%, pH 10, CI 47,000, Ca 560, FC 2/32, Gels 3/6, PV 9, YP 8. Used 2 sx caustic, 5 sx aldicide, 35 sx gel, 23 sx impermix, 25 gals defoamer. DMC \$751, CMC \$18,605. **TIME**: 1.25 hrs drlg, .5 hr rig rep, 22.25 hrs drlg. DWC \$7,250, CWC \$418,900.

MEASURED DEPTH feet	DRIFT ANGLE deg	DRIFT DIRECTION deg	COURSE LENGTH feet	TRUE		RECTANGULAR COORDINATES feet	DOGLEG SEVERITY dg/100'
				VERTICAL DEPTH feet	VERTICAL SECTION feet		
9,804	2.00	S 33.00 E	189	9,802.9	-54.3	11.3 S 54.3 E	0.93
10,053	2.00	N 80.00 E	249	10,051.8	-60.9	14.2 S 60.9 E	0.89
10,366	2.50	N 87.00 E	313	10,364.5	-73.1	12.8 S 73.1 E	0.18
10,523	2.25	N 83.00 E	157	10,521.4	-79.6	12.3 S 79.6 E	0.19

Final closure direction S 81.22 E, final closure distance 80.534'.

05/29/96: **TD 10,915'**. **DAY 26**, 90% lm/10% sh, Mde 138' in last 24 hrs, TIH. **DEV SURV**: See chart below. **BGG**: 40 units. **BHA**: Bit, BS, monel DC, stab, DC, stab, 25 DC = 832.60'. **PUMP #1**, DB-700, 5 $\frac{1}{2}$ " x 16", SPM 60, GPM 320, AV 139-194, PP 1650 psi, WOB 52,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #6**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N36XU, Jets 12,12,12, In @ 9012', Mde 1903' in 170 hrs, Out @ 10,915', Grade 7-4-l. **BIT #7**, 8 $\frac{3}{4}$ ", STC, F47H, S/N LH1601, Jets 12,12,12, In @ 10,915'. **MUD**: Salt gel/starch/oil, MW 9.2#, Vis 42, WI 10.4, Slids 4%, Oil .7%, pH 9, CI 45,000, FC 2/32, Gels 6/12, PV 12, YP 8. Used 4 sx caustic, 5 sx aldicide, 8 sx gel, 18 sx impermix, 40 gals defoamer, 144 sx gel, 1 sx soda ash. DMC \$1355, CMC \$19,960. **TIME**: 5.75 hrs drlg, 1 hr surv, no pict, 5.75 hrs drlg, 1 hr surv, no pict, .75 hr drlg, .5 hr drop surv, 9.25 hrs bit trip, inspect DC. DWC \$6000, CWC \$424,900.