

COBRA OIL & GAS CORPORATION

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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

06/02/96: **TD 11,645'. DAY 30**, 30% lm/70% sh, Mde 184' in last 24 hrs, drlg. **DEV SURV:** See chart below 06/03/96. **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 55,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #7**, 8 $\frac{3}{4}$ ", STC, F47H, S/N LH1601, Jets 12,12,12, In @ 10,915', Mde 730' in 87.75 hrs. **MUD:** Salt gel/starch, MW 9#, Vis 45, WI 6.8, Slids 2.5%, Oil .2%, pH 10.5, CI 40,000, Ca 800, FC 2/32, Gels 4/9, PV 11, YP 10, Alk .22. Used 12 sx caustic, 5 gals aldicide, 25 gals defoamer. DMC \$431, CMC \$24,881. **TIME:** 2 hrs drlg, .25 hr RS, 5.5 hrs drlg, 2.5 hrs circ spls @ 11,529', 13.75 hrs drlg. DWC \$6100, CWC \$451,200.

06/03/96: **TD 11,730'. DAY 31**, 90% lm/10% sh, Mde 85' in last 24 hrs, TIH. **DEV SURV:** See chart below. **BGG:** 30 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 1750 psi, WOB 55,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #7**, 8 $\frac{3}{4}$ ", STC, F47H, S/N LH1601, Jets 12,12,12, In @ 10,915', Mde 815' in 98 hrs, Out @ 11,730', Grade 5-4-1/16. **BIT #8**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N57XH, Jets 12,12,12, In @ 11,730'. **MUD:** Salt gel/starch, MW 9.2#, Vis 43, WI 7.4, Slids 3.9%, Oil .3%, pH 11, CI 43,000, Ca 880, FC 2/32, Gels 4/0, PV 12, YP 10. Used 11 sx caustic, 5 gals aldicide, 60 gals defoamer, 19 sx impermix. DMC \$934, CMC \$25,816. **TIME:** 2 hrs drlg, .25 hr RS, 1.75 hrs rig rep, 4.25 hrs drlg, 1.25 hrs surv, 4 hrs drlg, 1.25 hrs circ spls @ 11,730', 9.25 hrs bit trip. DWC \$4500, CWC \$455,700.

Selected corrected surveys follow.

MEASURED DEPTH feet	DRIFT ANGLE deg	DRIFT DIRECTION deg	COURSE LENGTH feet	TRUE VERTICAL DEPTH feet	VERTICAL SECTION feet	RECTANGULAR COORDINATES feet	DOGLEG SEVERITY dg/100'
390	0.50	S 60.00 W	390	390.0	1.5	0.9 S 1.5 W	0.13
1,718	0.50	S 40.00 W	513	1,717.9	- 1.3	14.8 S 1.3 E	0.17
4,086	1.00	N 35.00 E	408	4,085.8	3.4	20.0 S 3.4 W	0.43
6,176	0.75	N 35.00 W	496	6,175.6	- 14.4	22.3 S 14.4 E	0.32
8,005	1.75	S 55.00 E	377	8,004.5	- 24.4	28.3 S 24.4 E	0.68
9,270	1.50	N 87.00 E	294	9,269.0	- 56.7	33.4 S 56.7 E	0.01
10,523	2.25	S 77.00 E	157	10,521.3	- 99.6	36.9 S 99.6 E	0.12
11,061	2.50	N 83.00 E	160	11,058.8	-121.9	39.8 S 121.9 E	0.41

Final closure direction S 71.92 E, final closure distance 128.213'.

06/04/96: **TD 11,911'. DAY 32**, 80% lm/20% sh, Mde 181' in last 24 hrs, drlg. **DEV SURV:** None. **BGG:** 30 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 1700 psi, WOB 55,000# @ 60 RPM. **PUMP #2**, DB-550, 5 $\frac{1}{2}$ " x 16". **BIT #8**, 8 $\frac{3}{4}$ ", HTC, J44C, S/N N57XH, Jets 12,12,12, In @ 11,730', Mde 181' in 21.25 hrs. **MUD:** Salt gel/starch, MW 9.1#, Vis 44, WI 10.4, Slids 4%, Oil .2%, pH 10.5, CI 41,000, FC 2/32, Gels 4/9, PV 11, YP 11. Used 7 sx caustic, 5 gals aldicide, 22 sx impermix, 39 sx salt gel. DMC \$641, CMC \$26,457. **TIME:** .25 hr TIH, .25 hr inst rot head, 1.75 hrs ream to btm, 2.25 hrs drlg, .5 hr RS, 19 hrs drlg. DWC \$6300, CWC \$462,000.