

DATE 3- 93

Marathon Oil Company

HISTORY OF OIL OR GAS WELL

FIELD Lea Unit (Morrow)

WELL NO. 15 LEASE Lea Unit BLOCK SEC. _____ TWP. _____ R. _____
 PARISH _____
 STATE New Mexico COUNTY Lea AFE No.: 44834
 _____ ELEV. _____
 MEASUREMENTS TOP OF OIL STRING _____ ELEV. _____ HISTORY PREPARED BY Carrie Byrom
 TAKEN FROM TOP OF ROTARY TABLE _____ ELEV. _____ TITLE Secretary
 GRD. OR MAT _____ ELEV. _____

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, including size of hole, size and number of bits, complete description of casing, cementing, fishing or drilling difficulties, surveys, all tests, all completion operations and procedure, etc.

DATE	
11-28-92	First Report: Location - 1980' FSL & 760' FWL, Section 12, T-20-S, R-34-E, Lea County, New Mexico. Staked by John West 9-25-92. Purpose: To drill a 13,500' Morrow development well. MIRU Peterson #1. NU divertor. Spudded 17-1/2" hole @ 1600 hrs (11/27/92). Drilled from 60'-303'. Replace Kelly, subs, & rebuild mouse hole shuck. Drill from 303'-331' @ report time. Drlg 50'/hr. DC = \$38,378.
11-29-92	Drlg 331'-1155'. Made 824' in 19 hrs. Drlg WLS @ 958'-0.25 degrees. Drlg 40'-45'/hr @ report time. DC = \$19,294.
11-30-92	Drlg 1155'-1212'. Lost complete returns @ 1185'. Work through tight spot 1212'-1185'. Mix LCM & regain returns. Drill to 1600' TD surface hole @ 0:30 hrs (11/30/92). Circ & cond mud. TOOH to run csg @ report time. DC = \$13,020.
12-01-92	FIN. TOOH. RU & run 40 jts 13-3/8", K-55, 54.5#, Buttress csg. RU BJ & cmt w/875 sx Class "C" w/additives & tail-in w/575 sx Class "C" 2% CaCl. Did not circ cmt. Ran temp survey, indicated TOC @ 325'. TIH w/1" thg. Tag cmt @ 357'. Mix & pump 331 sx Class "C" w/2% CaCl. Circ cmt to surface. Welding on head @ report time. DC = \$66,582.
12-02-92	Finish welding on well head & test to 900 psi. NU 13-5/8" 5M BOP stack. Test BOP stack (300/3000 psi). Kelly valves & safety valves not holding. Accumulator failed to hold minimum precharge pressure. DC = \$6,677.
12-03-92	Test & repair accumulator. Change out Kelly valves. TIH; drl cmt & test csg. Drl new formation to 1661'. Lost all returns @ 1661. Mix & pump LCM pill; no returns. Dry drill to 1697'. Mix 20 PPB LCM pill & spot on bottom. No returns. Mix 2nd heavy pill @ report time. DC = \$11,725. TC = \$155,676.
12-04-92	Attempt to regain returns w/LCM pills. Could not regain circ. Dry drill 1697'-1776'. Last 20' firm drilling. RU Western. Pump 150 sx; 1776'-1526'. WOC. TIH to tag TOC @ report time. DC = \$15,451. TC = \$171,127.
12-05-92	Tag TOC @ 1718'. Pump 200 sx Cl "H". TIH & tag TOC @ 1664'. Could not load hole. Pump 200 sx Cl "H". TIH & tag TOC @ 1694'. Lost 30' hole - could not load hole. Mix & pump 100 sx Cl. "H" cmt w/ 2% CaCl, 10# gilsonite/sx & 12% Cal-Seal. WOC. DC = \$16,522. TC = \$187,649.
12-06-92	TIH, tag TOC @ 1718'. Lost 24' hole. Dump sand & pea gravel, follow w/ 100 bbl LCM pill, 25-30#/bbl. Dump 2 yds 3/8" pea gravel. Cmt w/ 100 sx Cl "H", 2% CaCl, 12% Cal-Seal & 10# gilsonite/sx. WOC. TIH, tag cmt @ 1058'. TOOH. DC = \$8,555. TC = \$196,204.
12-07-92	P/U bit & DC's, TIH & drill cmt 965-1105'. Cmt had bridged off. TIH to 1718'. POOH, SLM. Dump gravel & sand in hole. TIH, tag gravel @ 750'. Drill gravel 750-1167'. Have good returns. DC = \$9,981. TC = \$206,185.

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