

DATE 10-14-93

Marathon Oil Company

HISTORY OF OIL OR GAS WELL

FIELD S. Dagger Draw

WELL NO. 8 LEASE Indian Hills State Comm BLOCK SEC. TWP. R.
 STATE New Mexico PARISH Eddy AFE No.: 655593
 COUNTY Eddy
 MEASUREMENTS TAKEN FROM: TOP OF OIL STRING _____ ELEV. _____
 TOP OF ROTARY TABLE _____ ELEV. _____
 GRD. OR MAT. _____ ELEV. _____

HISTORY PREPARED BY Carrie ByromTITLE Secretary

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	
7-28-93	First Report: Location - 976' FSL & 660' FWL, Section 36, T-20-S, R-24-E, Eddy County, New Mexico. Staked by John West 4-22-93. GR elev 3631'; KB elev 3647'. Purpose: To drill & complete an 8000'TVD Upper Penn development well. MIRU Peterson Rig #6. Spudded well @ 12:00 hrs 7-28-93. Lost returns, dry drilling. DC = \$4,832.
7-29-93	Drld 270-420'. W.L.S. @ 378', 1.25°. Drld 420-851'. W.L.S. @ 800', 1.25°. Tripping for bit @ 0600 hrs. DC = \$13,443. TC = \$13,443.
7-30-93	Finish bit trip. Drld 851-1207'. Ran 9-5/8" csg. Set @ 1206'. Float @ 1158'. Cemented w/ total 1300 sks. Ran temp svy. TOC @ 150'. 06:00 hrs WOC. DC = 23,556. TC = \$41,831.
7-31-93	Finish cementing to surface. Install "A" section wellhead. NU BOP stack & testing same. Picking up BHA. DC = \$33,392. TC = \$75,223.
8-01-93	Trip in hole w/ BHA. Drld 130' of cement & insert baffle. Tested csg to 1000#. Drld 1207-1770'. WL survey @ 1285', 1-1/4° 06:00 hrs drilling @ 30'/hr. DC = \$11,413. TC = \$86,636.
8-02-93	Drld 1770-2405' in 23.5 hrs. Two WL surveys 1781' @ 1° & 2278' @ 1-1/4° DC = \$13,096. TC = \$99,732.
8-03-93	23.75 hrs drlg from 2405-2980', 575' fig. Svy @ 2773', 1-1/4°. DC = \$11,370. TC = \$111,102.
8-04-93	23.75 hrs drlg from 2980-3555', 575' fig. Svy @ 3238', 3/4°. DC = \$13,632. TC = \$124,734.
8-06-93	5-3/4 hrs finish trip. 1 hr wash & ream 47' to bottom. Drill from 3945-4237'. Svy @ 4194 1-1/4°. Drill from 4237-4335'. DC = \$8,338. TC = \$141,021.
8-07-93	23 hrs drlg from 4335-4886', 551', Svys @ 4373', 1-1/2°; 4530' 1-3/4°; 4686' 1-3/4°. DC = \$29,517. TC = \$170,538.
8-08-93	21.75 hrs drlg from 4886-5330', 444', Svys @ 4841', 2-3/4°; 4967' 3°; 5090' 3-1/4°; 5215' 3°. DC = \$8,831. TC = \$179,369.
8-09-93	22.50 hrs drlg from 5330-5780', 450', Svys @ 5340', 2-3/4°; 5465' 2-3/4°; 5620' 2-3/4°. DC = \$9,336. TC = \$188,705.
8-10-93	Drld to 5800', run gyroscopic from surf to 5745'. Drld to 5848', trip L/D BHA. P/U dynadrill motor w/ 1-1/4° bent sub & monel DC. Inspected DC's L/D 1 DC w/ cracked pin. 3-3/4 hrs drill directional w/ motor & steering tool. DC = \$11,119. TC = \$199,824.
8-11-93	20.25 hrs directional drill w/ steering tool, made 267', 3-3/4 hrs connections & svys. DC = \$21,409. TC = \$225,066.
8-12-93	13.75 hrs directional drill w/ steering tool, made 180', 3-3/4 hrs connections. 6.5 hrs trip hole in DP; chg out BH motor. DC = \$12,898. TC = \$237,964.