

DATE 03/21/91

Marathon Oil Company

HISTORY OF OIL OR GAS WELL

FIELD Indian Basin

WELL NO. 1 LEASE Indian Basin Gas Com BLOCK 23 SEC. 23 TWP. 21S R. 23E
 PARISH _____
 STATE New Mexico COUNTY Eddy

KB ELEV. 3843'MEASUREMENTS
TAKEN FROM

TOP OF OIL STRING _____ ELEV. _____
 TOP OF ROTARY TABLE _____ ELEV. _____
 GRD. OR MAT. GL ELEV. 3831'

HISTORY PREPARED BY Rod ProscanoTITLE Assoc. Petroleum Engineer

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

Well Name: Indian Basin Gas Com No. 1AFE: 44803PURPOSE: Reactivate Morrow12-18-90

SITP = 1350 psig. MIRU D&S pulling unit. Killed well w/80 bbls 2% KCl. ND x-mas tree. NU BOP's. Unset Baker Model "R" double-grip pkr. POOH w/2 3/8" Buttress tb & pkr. RU Apollo Wireline. RIH w/7" EZ-Drill cmt retainer. Set retainer @ 7340'. PU 2 7/8" workstring. RIH w/stinger assembly & SN on 236 jts 2 7/8" tb to 7259.5' Secured well. SDFN.
 DC \$4,360 TC \$4,360
 TL 80 BW TR 0

12-19-90

FIH w/2 7/8" workstring & tagged cmt retainer @ 7340'. RU Halliburton. Loaded backside w/45 bbls fresh water. Dropped SV. Test tb to 4000 psig. Held OK. Fish SV. Stung into cmt retainer. Loaded backside w/50 bbls & pressured to 1000 psig. Established injection rate of 6 BPM @ 0 psig. Mixed & pumped 500 gals Flochek, 150 sx Class "H" w/0.6% Halad-9 & 1/4#/sx Flocele, 500 gals Flochek, 250 sx Class "H" w/0.6% Halad-9 & 1/4#/sx Flocele & 150 sx Class "H" w/3#/sx salt. Caught pressure last stage of cmt @ 3 BPM. Slowed pump rate to 1 BPM w/25 bbls water displaced. Staged cmt & squeezed Upper Penn perms to 2500 psig. Stung out of cmt retainer & reversed out 5 bbls cmt. POOH w/2 7/8" workstring. Secured well. SDFN.
 DC \$13,320 TC \$17,680
 TL 224 BW TR 0

12-20-90

RIH w/6 1/4" bit, 4-4 3/4" drill collars on 2 7/8" workstring. Tagged top of cement on retainer @ 7330'. RU drilling head. Drilled out cement retainer @ 7340' & cement down to 7383'. Circ'd hole clean. Closed rams. SDFN.
 DC \$2,700 TC \$20,380
 TL 224 BW TR 0

12-21-90

DO cmt to 7543'. Test squeeze to 600 psig for 15 mins. Held OK. FIH & tagged cmt to 7650'. DO cmt & 8" of retainer to 7564'. Circ'd hole clean. SWI. SDFN.
 DC \$2,900 TC \$23,280
 TL 224 BW TR 0

12-22-90

Finished drilling cmt retainer @ 7550'. Drilled cmt to 7642'. POOH w/6-1/4" bit, DC's on 2-7/8" workstring. (teeth on bit worn off). RIH w/6-1/8" bit, DC's on 2-7/8" tb. BOT @ 7200'. Closed pipe rams. SDFN.
 DC \$2,228 TC \$25,508
 TL 224 BW TR 0

12-23-90

RIH w/bit & DC's on 2-7/8" workstring. Tagged up @ 7642'. Could not make any hole w/bit. POOH w/2-7/8" workstring. Bottom of bit @ 7200'. Circ'd hole clean. Closed rams. SDFN.
 DC \$2,229 TC \$27,737
 TL 224 BW TR 0

12-24-90

SD for holiday.
 DC \$0 TC \$27,737
 TL 224 BW TR 0