

DATE 1968

MARATHON OIL COMPANY

Jicarilla  
FIELD Basin Dakota

## HISTORY OF OIL OR GAS WELL

WELL NO. 14 LEASE Jicarilla Apache BLOCK 34 Unit Letter M NE SW SW  
SEC. 26N TWP. R. 5W  
STATE New Mexico PARISH Rio Arriba COUNTY 900' FSL and 900' FWL

Measurements Taken From { KB Elev. 6554' History Prepared By P. F. Patterson  
Grd Elev. 6541' (All measurements from KB) Title Petroleum Engineer  
Typed: EMH

DATE

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.

1968  
9-26

Conditioned hole after logging and laid down drill pipe. Ran casing as shown below and cemented by B.J. as follows: Broke circulation with mud. Dropped ball to convert fillup collar and shoe to float valves. Cemented first stage through shoe with 85 units HYSC 400 filler cement and 120 units of quality cement; with 500 gallons of mud sweep ahead of cement. (one unit of quality cement equal one sack class "C" cement, one sack Diamix, five pounds salt, and 1% D30 friction reducer. This yields 2.49 cubic feet of slurry per unit weighing 12.8 pounds per gallon; one unit of filler cement equals one sack of Class "C" cement, two sacks of Diamix, 10% gel by weight of cement, 4% A2 strength activator by weight of cement and 6½# of gilsonite. This yields six cubic feet of slurry per unit weighing 11 pounds per gallon.) Displaced with 47 barrels of water and 128 barrels mud at final pressure of 800 psi, bumped plug with 2,500 psia, released pressure, float held OK. Plug down at 2:00 PM. Dropped bomb and opened lower stage collar in 20 minutes. Circulated mud two hours with rig pump. Cemented second stage through lower stage collar with 200 units HYSC 400 filler cement and displaced with 52 barrels of water and 76 barrels of mud at final pressure of 600 psi, bumped plug with 2,500 psi to close tool. Released pressure and held OK. Plug down at 4:45 PM. Dropped bomb at 4:50 PM, opened upper stage collar at 5:05 PM. Circulated mud 1½ hours. Cemented third stage through upper stage collar. Pumped 500 gallons mud sweep followed with 210 units of filler cement and 160 units of quality cement. Displaced with 76 barrels of water at final pressure of 400 psi, bumped plug with 2,500 psi to close tool. Released pressure, held OK. Plug down at 7:35 PM. Obtained good circulation throughout job with cement circulating on all stages. Landed casing in slips in Rector head and cut off casing. Released rig at 9:00 PM, September 26, 1968.

	OVERALL LENGTH	EFFECTIVE LENGTH	SETTING DEPTH FROM	TO
One 5½" Baker Model "G" fillup shoe, Cond 1	1.54	1.54	7,340.00 KB	7,338.46
One jt 5½", 17#, 8-R, N-80, LT&C, Rg 2, Cond 1	28.44	28.15	7,338.46	7,310.31
One 5½" Baker Model "G" fillup collar, Cond 1	1.87	1.67	7,310.31	7,308.64
12 jts 5½", 17#, 8-R, J-55, LT&C, Rg 3, Cond 1	503.43	499.92	7,308.64	6,808.71
45 Jts 5½", 15.5#, 8-R, J-55, ST&C, Rg 2, Cond 1	1,453.25	1,442.45	6,808.71	5,366.26
One 5½" Baker Model "J-B" stage collar, Cond 1	2.08	1.92	5,366.26	5,364.34
67 jts, 5½", 15.5#, 8-R, J-55, ST&C, Rg 2 Cond 1	2,182.36	2,166.30	5,364.34	3,198.04
One 5½" Baker Model "J-1" stage collar	2.08	1.92	3,198.04	3,196.12