

DATE 1967

MARATHON OIL COMPANY

HISTORY OF OIL OR GAS WELL

Jicarilla
Basin DakotaWELL NO. 13 LEASE Jicarilla Apache

BLOCK

SEC. 33 TWP. 26N R. 5WSTATE New Mexico COUNTY Rio Arriba1190' FSL
1190' FWLELEV. 6611 KBMEASUREMENTS
TAKEN FROM

TOP OF OIL STRING ELEV. _____

HISTORY PREPARED BY P. F. Patterson

TOP OF ROTARY TABLE ELEV. _____

TITLE Area EngineerGRD. OR MAT. ELEV. 6598

All measurements from KB.

RECEIVED

MAY 5 1967

OIL CON. COM.
DIST. 3

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 of 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

3/12/67

Ran casing shown below. Broke circulation with mud. Dropped ball to convert fillup collar and shoe to float valve. Cemented 1st stage thru shoe, by BJ, with 85 units HYSC 400 filler cement and 120 units quality cement; 500 gals. Mud Sweep ahead of cement. (1 unit quality cement = 1 sack class C cement, 1 sack Diamix, 5 lbs. salt, and 1% D30 friction reducer, yields 2.49 cu. ft. of slurry per unit; 1 unit filler cement = 1 sack class C cement, 2 sacks Diamix, 10% gel by weight of cement. 4% A2 strength activator by weight of cement, yields 6 cu. ft. slurry per unit). Displaced with 47 bbls. water and 128 bbls. mud at final pressure of 1300 psi, bumped plug with 2000 psi, released pressure, float held OK. Plug down at 4:00 AM. Dropped bomb to open lower stage collar, open at 4:30 AM with pressure. Circulated mud until 6:00 AM with rig pump, no cement circulated. Cemented 2nd stage with 200 units HYSC-400 filler cement, 20 bbls. water ahead of cement. Displaced with 51 bbls. water and 77 bbls. mud at final pressure of 1000 psi, closed tool with 2500 psi at 6:35 PM. Dropped bomb and opened upper stage collar, circulated. Cement from first stage circulated to surface after BJ started mixing cement for second stage. Good mud returns at all times.

	Overall Length	Effective Length	From	To
1 jt 5 $\frac{1}{2}$ " OD, 17#, 8rd, J55, LT&C, R2, Cond 1	17.53	17.24	13.00KB	30.24
19 jts 5 $\frac{1}{2}$ " OD, 15.5#, 8rd, J55, LT&C, R2, Cond 1	611.60	605.48	30.24	635.72
80 jts 5 $\frac{1}{2}$ " OD, 15.5#, 8rd, J55, ST&C, R2, Cond 1	2611.89	2593.46	635.72	3229.18
Baker Model J1 Stage Cementing Collar	2.07	1.83	3229.18	3231.01
69 jts 5 $\frac{1}{2}$ " OD, 15.5#, 8rd, J55, ST&C, R2, Cond 1	2190.82	2174.91	3231.01	5405.92
Baker Model JB Stage Cementing Collar	2.07	1.83	5405.92	5407.75
45 jts 5 $\frac{1}{2}$ " OD, 15.5#, 8rd, J55, ST&C, R2, Cond 1	1468.81	1458.43	5407.75	6866.18
15 jts 5 $\frac{1}{2}$ " OD, 17#, 8rd, J55, LT&C, R2, Cond 1	490.40	486.33	6866.18	7352.51
Baker Model G Circ. Diff. Fillup Collar	1.91	1.67	7352.51	7354.18
1 jt 5 $\frac{1}{2}$ " OD, 17#, 8rd, J55, LT&C, R2, Cond 1	28.11	27.82	7354.18	7382.00
Baker Model G Circ. Diff. Fillup Shoe	2.00	2.00	7382.00	7384.00KB
(Down Whirler)				
Net Casing		7371.00		

30 Baker Model M centralizers at 2780, 2812, 2844, 2877, 2908, 2942, 3006, 3070, 3134, 3197, 3264, 4446, 4542, 5111, 5210, 5373, 5441, 6932, 6965, 6997, 7030, 7063, 7128, 7162, 7194, 7223, 7256, 7289, 7319 and 7367.

2 Baker canvas insert metal petal baskets at 4510 and 5176.

Circulated mud with rig pump. Got cement returns from second stage. Circulated until 9:45 AM. Hauling water. Cemented third stage, by BJ, thru tools at 3229' with 210 units filler cement and 160 units quality cement (500 gals. Mud Sweep ahead of cement). Displaced with 74 bbls. water. Plug down at 10:30 AM. Circulated cement to surface. Set slips and landed casing in head. Nipped up.

