

DAILY DRILLING REPORT

Jicarilla "F" #4-A

JICARILLA F #2-A
Blanco Mesa Verde Fld
Rio Arriba Co, NM
PD 6250 Mesa Verde
Mobil Intr 100%
AFE 7330 = \$388 M
Coleman Drlg Rig #1

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Spud 9/16/77
8-5/8 @ 337

9/16/77
990 FNL & 1190 FWL Sec 27, T27N, R3W.
Prep MIRT.

9/17/77
Correction to 9/16/77 rpt - this well was carried as Jicarilla F #2-A - well # & well location in error - should be: Well F #4-A & loc - 1190 FSL & 1090 FEL Sec 23, T27N, R3W.
(1) 337, WOC 8-5/8, sd & sh, 12 1/4 hole, Spud. 3/4 @ 337, spud 4 PM 9/16/77, ran 8 jts 8-5/8 20# K55 set @ 337, Howco cmt w/ 210x C + 2% CaCl2, PD 2:45 AM 9/17/77, cmt circ, WOC.

9/27/77
(11) 6260 TD, prep run 4 1/2 csg, sh, 7-7/8 hole, 3/4 @ 6260, 8.5-45-9.5.
15% LCM, TD 11:45 AM 9/26/77, circ 3 hrs, short trip, circ 1 hr, POH, Dresser Atlas ran Ind, CNL Caliper 320-6256, GIH w/ bit, prep LD DP.
COST \$103 H.

9/28/77
(12) 6260 WOC 4-1/2" csg. 8.5-45-9.5.
Ran 191 jts 4-1/2" 10.5# K-55 @ 6260, FC 6226 DV 4048, 10 centralizers 5607-6193, 2 cents 4014 & 4079, cmt baskets 3949 & 3983, Howco cmt 1st Stage 400 sxs lt wt + 1/4# Flocele + 6-1/4# Gilsonite + 200 sxs B + 1/4# Flocele + 6-1/4# Gilsonite LR after pumping 90 bbls cmt regained in 10 min, PD 7:20 PM, 9/27/77, open DV, circ 4 hrs, circ 10 bbls cont mud, 2nd Stage 845 sxs lt wt + 6-1/4# Gilsonite, PD 1 AM, cmt did not circ.
COST: \$135M

9/29/77
(13) 6260 TD.
GO WL ran temp survey & tag cmt @ 3430 & top of cmt @ 370, set slips & cut off, released Coleman Drlg Co Rig #1 @ 5:00 PM 9/28/77, WO compl.
COST: \$155M

10/4/77

6260 TD, 6209 PBTB.

Fin GIH & D/O cmt & DV tool 4024-4040, ran bit to 5995 & D/O cmt to 6209 = PBTB, circ clean & disp to tr KCl wtr, test csg to 3500 OK, Western Co spot 200 gals 7-1/2% NEA on btm, POH w/72 jts tbq, SDFN.

COST: \$163M

10/5/77

6260 TD, 6209 PBTB, Lower Mesa Verde 5968-6076.

Dresser Atlas ran Coll log 4208-6208, perf 4 1/2
1 JSPF 5968; 70; 72; 74; 76; 78; 80; 82; 6024;
26; 28; 30; 32; 34; 36; 38; 40; 42; 44; 62; 64;
66; 68; 70; 72; 74; 76 -27 holes, SDFN.

CCST \$167 M.

10/6/77

6260 TD, 6209 PBTB, Lower Mesa Verde 5968-6076.

Western acidized perfs 5968-6076 w/ 2500 gals
15% + 40 RCNBS, TTP 2500-3500 @ 20 BPM balled off,
ran JB thru perfs, rec 25 RCNBS, Western frac
perfs down 4 1/2 csg w/ 137,000 gals gel + 476,000#
20/40 sd + 10 RCNBS in 2 stages, TTP 1st stage
1500 @ 3500 BPM, 2nd stage 1900 @ 35 BPM, ISIP 1100,
5 min 400, 10 min 400, ran RBP to 5720, test
3500/ok, Dresser Atlas perf Middle & Upper Mesa
Verde 1 JSPF ever other ft 5662-76; 5744-54;
5778-86; 5810-20; 5846-66, total 36 holes.
COST \$230 M.

10/11/77

6260 TD, 6209 PBTB, Mesa Verde 5662-6076.

C/O frac sd 6150-6209, POH GIH w/Model R pkr on
2-3/8 set @ 5607, rel Drake DD unit 6 PM 10/10/77,
prep MI swab unit. - 6689 BLW.

COST: \$316M

11/16/77

6260 TD, 6209 PBTB, Mesa Verde 5662-6076.

NMOCC POT TEST: 7-Day SITP 1053#, F 4 BNO +
O Wtr/3 hrs, 3/4 ck, GV 2.8 MMCFPD, TP 342, CP
pkr, CAOF 3.5 MMCFPD, Oil Gvty 65.5 @ 60°, comp
10/10/77, SI pending pipeline connection.

DROP FROM REPORT.

COST: \$330M

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 8-5/8 @ 337
 4-1/2 @ 6260

10/7/77

6260 TD, 6209 PBTD, Upper & Middle Mesa Verde
 5662-5866.

Western SWF perfs 5662-5866 w/ 155,000 gals
 + 180,000# 20/40 sd + 2500 gals 15% HCL + 15
 RCNBS in 2 stages, TCP 1500-2600 @ 35-15 BPM,
 ISIP 900. 10 min 750. - 7120 BLW.

Formation	Treating Fluid M Gals & Type	Sand Conc. Lbs Gal.	Quantity M Gals	Totals	
				M Gals	M Lbs
Lower Mesa Verde (5968-6076, 22 Holes)	3.5 gals prepad	0.0	0.0	3.5	0
	7.0 gals pad	0.0	0.0	10.5	0
	11.0 gals gel	1.0	11.0	21.5	11
	11.0 gals gel	3.0	33.0	32.5	44
	11.0 gals gel	4.0	44.0	43.5	88
	30.0 gals gel	5.0	150.0	73.5	238

Drop 10 RCNBS

11.0 gals gel	1.0	11.0	84.5	249
11.0 gals gel	3.0	33.0	95.5	282
11.0 gals gel	4.0	44.0	106.5	326
30.0 gals gel	5.0	150.0	136.5	476

Rate 35 BPM TCP 1500-2600 151P900 10min 750

Upper Mesa Verde
 (5662-5866, 36 Holes)

3.5 gals prepad	0.0	0.0	3.5	0
7.0 gals pad	0.0	0.0	10.5	0
12.0 gals gel	1.0	12.0	22.5	12
12.0 gals gel	3.0	36.0	34.5	48
12.0 gals gel	4.0	48.0	46.5	96
36.0 gals gel	5.0	180.0	82.5	276

Drop 15 RCNBS

12.0 gals gel	1.0	12.0	94.5	288
12.0 gals gel	3.0	36.0	106.5	324
12.0 gals gel	4.0	48.0	118.5	372
36.0 gals gel	5.0	180.0	154.5	552

Rate 35-15 BPM TCP 1500-2600 151P900 10min 750

Pre pad = 3 lbs/gal friction reducer, 2gal/Mgal foaming agent, 1 pct KCL water.

Pad = 40 bls/Mgals WG-11 cross linked (or equivalent), 2 gal/M gals foaming agent,
 1 pct KCL water.

Gel = Pad with 20-40 sand

Treat at 35 BPM.

COST \$303 M.

10/8/77

6260 TD, 6209 PBTD, Mesa Verde 5662-6076.

Corr sd vol on Upper & Middle Mesa Verde to
 552,000# sd. SI 14 hrs CP 450, F1 175 BLW/3
 hrs on 3/4 ck TP 450-210, F1 248 BLW/17 hrs on
 18/64 ck, TP 200-20, 21 BLW LH. - 6697 BLW.

137
 155
 292

94

6.15