

DAILY DRILLING REPORT

Jicarilla "F" #1-A

11/25/76
MIRU Cactus Rig #20.

11/27/76
(2) 1666 drlg sd & sh, 7-7/8 hole, 1⁰ @ 332, 1-1/4⁰
836, 1-1/2⁰ 1382; 1⁰ 1666. 8.8-34-8.2.
Cactus Rig #20 spud 12-1/4 hole 6:00 AM, 11/25/76,
ran 9 jts 8-5/8" 20# csg set @ 331, BJ cmt w/350 sx
B + 2% CaCl, PD 5:45 PM, 11/25/76, cmt circ, NU BOP's
test 500 psi 30 min OK.
Cost: \$23M

11/28/76
(3) 2518 drlg sd & sh, 7-7/8 hole, 3/4⁰ 2518.
8.8-36-8.8.
Cost: \$31M

11/29/76
(4) 2922 drlg sd & sh, 7-7/8 hole, NND. 8.9-38-10.
Cost: \$36M

11/30/76
(5) 3195 drlg sd & sh, 7-7/8 hole, 1/4⁰ @ 3019.
9-42-7.2.
Cost: \$39M

12/1/76
(6) 3475 drlg sd & sh, 7-7/8 hole, NND.
8.8-40-9.6.
Cost: \$43M

12/2/76

(7) 3391 drlg sd & sh, 7-7/8 hole, 1/2" @ 3563.
8.9-44-8.8.

Cost: \$44M

12/3/76

(8) 4222 drlg sd & sh, 7-7/8 hole, NND. 8.8-36-8.

Cost: \$51M

12/4/76

(9) 4525 drlg sd & sh 7-7/8 hole, 1" @ 4379.
8.8-40-8.

Cost: \$59M

12/5/76

(10) 4695 drlg sd & sh 7-7/8 hole, NND. 8.8-39-8.

Cost: \$62M

12/6/76

(11) 4977 drlg sd & sh 7-7/8 hole, NND. 8.8-38-8.2.

Cost: \$64M

12/7/76

(12) 5220 drlg sd & sh, 7-7/8 hole, NND.
9.0-41-8.8.

Cost: \$69M

12/8/76

(13) 5465 drlg sd & sh, 7-7/8 hole, NND.
8.9-39-9.4.

Cost: \$74M

12/9/76
 (14) 5650 drlg sd & sh 7-7/8 hole, NND. 8.8-41-9.2.
 Cost: \$76M

12/10/76
 (15) 5865 drlg sd & sh 7-7/8 hole, NND.
 8.9-43-9.2.
 Cost: \$79M

12/11/76
 (16) 6008 drlg sd & sh, 7-7/8 hole, NND, 8.8-42-8.
 COST \$80 M.

12/12/76
 (17) 6170 ND sd & sh, 7-7/8 hole, NND, 8.8-55-10.8.
 lost circ @ 6170, stuck pipe 20' off btm & work
 free in 2 hrs, pull 13 stds & mix mud & LCM, lost
 500 bbls & got returns, now mixing mud.
 COST \$80 M.

12/13/76
 (18) 6170 ND sd & sh, 7-7/8 hole, NND, 8.8-90-10.8,
 30% LCM, lost 600 bbls mud last 24 hrs, mix mud &
 LCM, now have full returns one std off btm.
 COST \$87 M.

12/14/76
 (19) 6375 TD sd & sh, 7-7/8 hole, NND.
 8.6-82-6.2, 30% LCM.
 No mud loss past 24 hrs, fin in hole & circ 1 hr,
 prep to log.
 Cost: \$90M

12/15/76
 (20) 6375 TD sd & sh, 7-7/8 hole, 1-1/2" @ 6375.
 8.8-70-8.6, 20% LCM.
 POH on short trip & work thru tight place @ 3100
 in 2 hrs, ran bit to btm & hit bridges @ 2000, 3100
 & 5300, circ 3-1/2 hrs, POH, Dresser Atlas log stopped
 @ 2000, ran bit & knock out bridge, no fl loss past 24
 hrs.
 Cost: \$109M

12/15/76

6375 TD sd & sh, 7-7/8 hole, 8.8-70-8.6, 18% LCM.
POH, Dresser Atlas log stopped @ 2250, trip bit to
btm, no bridges, POH ran Dual Ind & Den Neutron
logs 3232-6289, now GIH w/bit to circ & run csg.
Cost: \$112M

12/17/76

(22) 6375 TD sd & sh, 7-7/8 hole, 8.7-65-7.8 + 20% LCM.
Ran bit to btm, no bridges, LDDP & DC's, ran 202 jts
4-1/2" csg to 6250, could not gain circ, pull up to
5300, now mixing mud & vol.
Cost: \$127M

12/18/76

(23) 6375 TD sd & sh, 7-7/8 hole, 8.7-65-7.8 +
25% LCM, circ 4 1/2" csg down to 6280 & lost circ,
pull 10 stds & mix mud, pump csg down to 6305
w/ 80% returns, pull 10 stds & mix mud, pump csg
down to 6305 w/100% returns, 202 jts 4 1/2" 10.5#
KS 8rd csg shoe @ 6305, FC @ 6273 & DV tool @
4210, BJ cmt csg @ 6305, 1st stage w/ 400x BJ
LW cont 1/4# Seal Flake + 5# gilsonite/x + 300x
Class B Neat, full circ 1st 375x and no circ w/
400x in, fin 1st stage @ 5:30 AM 12/18/76, prep
to cmt 2nd stage.
COST \$136 M.

12/19/76

(24) 6375 TD, drop ball & open DV tool @ 4210, circ
out foam & contm mud & circ 6 hrs, cmt 2nd stage
thru DV tool w/ 900x BJ Lt Wt cont 1/4# Seal Flake
& 5# gilsonite/x + 100x Class B Neat, circ out 25x
cmt & lost circ, 75' down to top of cmt, job compl
@ 1:30 PM 12/18/76, set slips & cut off, clean
pits, rel Cactus Drlg Co Rig #20 & 4 PM 12/18/76.
COST \$180 M.

12/20/76

WO compl.

1/11/77
6375 TD.
MIRU Drake DD unit 1/10/77.
COST \$180 M.

1/12/77
6375 TD.
NU BOP's, GIH w/ 3-7/8 bit, 4 - 3½ DC's, tag
cmt @ 4060, prep drill DV tool, SDFN.
COST \$186 M.

1/13/77
6375 TD.
Drill DV tool & WIH to 6108, drill stringers &
cmt to 6128, bit plugged, POH.
COST \$187 M.

1/14/77
6375 TD.
WIH to 6125, drill cmt 6125-6303, POH, Dresser
Atlas ran GR-Coll log 4310-6298, SDFN.
COST \$188 M.

1/15/77
6375 TD, 6303 PBTD.
Ran 201 jts 2-3/8, hung in tbg head, rel Drake WS
1/14/77.
COST \$191 M.

1/17/77
WO compl.
COST \$191.

1/26/77
6375 TD, 6303 PBTD.
MIRU Drake DD unit 1/25/77, tag TD @ 6303 test csg
3500 psi, OK, disp csg w/1% KCl wtr, Howco spot
200 gals MSA on bottom, POH w/tbg.
Cost: \$193M

1/27/77

6375 TD, 6303 PBDT, Mesa Verde 6118-6284.
 DA perf Mesa Verde 1 JSPF 6118, 20, 22, 24, 26,
 28, 30, 32, 34, 36, 38, 40, 42, 70, 72, 74, 76, 78, (
 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 6222,
 24, 26, 28, 56, 58, 60, 62, 64, 72, 74, 76, 80,
 82, 84, 43 holes, Howco acidize 2/250 gals 15% +
 80 RCNBS, TCP 1400-3500 @ 20 BPM, ball off ran WL
 JB thru perfs rec 51 balls, Howco frac perfs 6118-
 6284 down 4-1/2" csg w/107,500 gals Versagel with-
 out Adomite Aqua + 386,000# 20-40 sd in 2 stages,
 1st stage 60,000 gals + 193,000# sd @ 50 BPM, 2700
 TCP, dropped 25 RCNBS, 2nd stage 47,500 gals +
 193,000# 20-40, TCP 2300-3400 @ 50 BPM, ISIP 750
 15 min 300. - 2900 BLW.
 Cost: \$248M

1/28/77

6375 TD, 6303 PBDT, Middle Vesa Verde 5870-6084.
 DA ran WLBP to 6106, test 3500 OK, DA perf Middle
 Mesa Verde 5870, 72, 74, 76, 78, 80, 82, 84, 86, 88,
 90, 98, 5900, 02, 04, 06, 08, 10, 12, 138, 40, 42, 44,
 52, 54, 64, 66, 68, 76, 78, 80, 82, 84, 96, 98, 6000,
 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 78, 80, 82,
 6804, 50 holes, Howco acidize w/2500 gals 15% + 85
 RCNBS, TCP 1500-3400 @ 30 BPM ball out ran WLJB thru
 perfs, rec 38 balls, Howco frac perfs 5870-6084 down
 4-1/2" csg w/88,000 gals Versa Gel w/o Adomite Aqua
 + 322,000# 20-40 sd + 30 RCNBS in 3 stages, TCP 1800-
 2800 @ 50 BPM ISIP 900 15 min 600. - 5330 BLW.
 Cost: \$303M

1/29/77

6375 TD, 6303 PBDT, Upper Mesa Verde 5784-5848.
 DA ran WLBP & set @ 5860 test 3500 OK, perf 4-1/2
 csg 5784, 86, 88, 5800, 02, 04, 14, 16, 18, 20, 22,
 24, 26, 28, 36, 38, 40, 42, 44, 46, 48, 21 holes,
 Howco acidized w/2500 gals 15% + 35 RCN TCP 1900-
 3500 @ 26 BPM balled off, ran WLJB rec 23 RCNBS,
 Howco frac perfs 5784-5848 down 4-1/2 csg w/58,500
 gals Versagel W/O Adomite Aqua + 197,000# 20-40 sd
 TCP 2100-3100 @ 50 BPM, ISIP 750 15 min 600.
 - 7055 BLW.

Cost: \$346M

1/31/77

GIH w/hyd bailer C/O 5830-5860 rec RBP POH.
 - 7055 BLW.

Cost: \$347M

2/1/77

6375 TD, 6303 PBDT, Upper Mesa Verde 5784-6284.
 Ran Hyd Bailer stopped @ 5910, lost 15' hole, POH
 rec 5' sd tool plugged down 3 hrs.
 Cost: \$348M

386,000

107,500 gals	386
88	322
59	197
4	05

2/2/77

6375 TD, 6303 PBD, Upper Mesa Verde 5784-6284.
 Ran hydrostatic bailer on 2-3/8, C/O 5875-6025,
 rec 1390' sd in tbg, reran C/O 5945-6090, sand
 falling in from upper perfs, pull 40 stds, SDFN.
 Cost: \$349M

2/3/77

6375 TD, 6303 PBD, Upper Mesa Verde 5784-6284.
 POH rec 1240' sd in tbg, RR bailer C/O 6005-6106,
 catch RBP start out of hole, SDFN.
 Cost: \$351M

2/4/77

6375 TD, 6303 PBD, Mesa Verde 5784-6284.
 POH w/RBP, RR bailer C/O 6180-6303, rec 150' sd in
 tbg, ran 2-3/8 w/SN on bottom to 5777, SDFN.
 Cost: \$354

2/5/77

6375 TD, 6303 PBD, Mesa Verde 5784-6284.
 Instl flowline, S 170 BLW/7 hrs, FL 200-1500.
 COST \$356M. -6885 BLW.

2/6/77

14 hr SITP 50, sw 70 BLW/4½ hrs, start to flow.
 COST \$357M.

2/7/77

F 63 BLW/39 hrs, died, prep to kick off.
 COST \$367 M.

2/8/77

6375 TD, 6303 PBD, Mesa Verde 5784-6284.
 S 10 BLW/½ hr, fl 2020 BLW w/ tr oil 23 hrs
 on 3/4 ck, TP 250, CP 725, rel Drake WS
 12 noon 2/7/77, rel to Prod 6 AM 2/8/77.
 COST \$367 M. - 4667 BLW.

2/9/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.
F O BO + 1140 BLW/24 hrs, 3/4 ck, GV - no
meas, TP 200, CP 350. - 3227 BLW.
COST \$367 M.

2/10/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.
F O BO + 280 BLW/24 hrs, 3/4 ck, GV - no
meas, TP 160, CP 300. - 2947 BLW.
COST \$367 M.

2/11/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.
F O BO + 176 BLW/24 hrs, 3/4 ck, no gas
meas, TP 140, CP 410. - 2771 BLW.
COST \$367 M.

2/14/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.
F O BO + 432 BLW/3 days, 3/4 ck, no gas
meas, TP 125-140, CP 400-425. - 2339 BLW.
COST \$369 M.

2/15/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.
F O BO + 19 BLW/14 hrs, 3/4 ck, GV 1.0 MMCF/GPD,
TP 450, CP 600, LP 240, well was froze off.
COST \$369 M. - 2320 BLW.

2/16/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 3 BNO + 146 BLW/24 hrs, GV 1.0 MMCFGPD,

TP 320, CP 475, LP 226. - 2174 BLW.

COST \$369 M.

2/17/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 2 BNO + 101 BLW/24 hrs, 3/4 ck, GV 0.9 MMCFGPD,

TP 300, CP 425, LP 230. - 2073 BLW.

COST \$369 M.

2/18/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 0 BNO + 100 BLW/24 hrs, 3/4 ck, GV 0.9 MMCFGPD,

TP 310, CP 450, LP 230. - 1973 BLW.

COST \$369 M

2/22/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 10 BNO + 359 BLW/4 days, 3/4 ck, GV 0.9 MMCFGPD,

TP 310, CP 450, LP 226. - 1614 BLW.

2/23/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 1 BNO + 84 BLW/24 hrs, 3/4 ck, GV 1.1 MMCFGPD,

TP 300, CP 430, LP 224. - 1530 BLW.

COST \$369 M.

2/24/77

6375 TD, 6303 PBTD, Mesa Verde 5784-6284.

F 2 BNO + 84 BLW/24 hrs, 3/4 ck, GV 0.9 MMCFGPD,
TP 300, CP 440, LP 224. - 1446 BLW.

COST \$396 M.

2/25/77

6375 TD, 6303 PBTD, Mesa Verde 5784-6284.

F 4 BNO + 83 BLW/24 hrs, 3/4 ck, GV 0.8 MMCFGPD,
TP 300, CP 430, LP 224. - 1363 BLW.

COST \$377 M.

2/28/77

6375 TD, 6303 PBTD, Mesa Verde 5784-6284.

F 11 BNO + 185 BLW/3 days, 3/4 ck, GV 0.8 MMCFGPD,
TP 275-290, CP 380-425, LP 225. - 1178 BLW.

COST \$370 M.

3/1/77

6375 TD, 6303 PBTD, Mesa Verde 5784-6284.

F 3 BNO + 60 BLW/24 hrs, 3/4 ck, Gv 0.8 MMCFPD,
TP 290, CP 325, LP 224. - 1118 BLW.

COST: \$371M

3/2/77

6375 TD, 6303 PBTD, Mesa Verde 5784-6284.

F 3 BNO + 58 BLW/24 hrs, 3/4 ck, GV 0.8 MMCFPD,
TP 290, CP 400, LP 231. - 1060 BLW.

COST: \$371M

3/3/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 5 BNO + 5 BLW/24 hrs, 3/4 ck, GV 0.8 MMCFPD,
TP 290, CP 400, LP 230. - 1010 BLW.

COST: \$371M

3/4/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

F 5 BNO + 24 BLW/24 hrs, 3/4 ck, GV 0.8 MMCFPD,
TP 275, CP 385, LP 220. - 986 BLW.

COST: \$371M

3/5/77

F 5 BNO + 16 BLW/24 hrs, 3/4 ck, GV 0.6 MMCFPD,
TP 280, CP 435, LP 220. - 970 BLW.

3/6/77

F 4 BNO + 15 BLW/24 hrs, 3/4 ck, GV 0.6 MMCFPD,
TP 280, CP 410, LP 220. - 955 BLW.

3/7/77

F 5 BNO + 11 BLW/24 hrs, 3/4 ck, GV 0.6 MMCFPD,
TP 270, CP 375, LP 220. - 944 BLW.

COST \$371 M

3/8/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

SI @ 6 AM 3/7/77 for 7 days. - 944 BLW.

COST \$371 M.

3/9/77

6375 TD, 6303 PBTB, Mesa Verde 5784-6284.

SI. - 944 BLW.

COST \$371 M.

3/10/77

6375 TD, 6303 PETD, Mesa Verde 5784-6284.

SI. - 944 BLW.

COST \$372 M.

3/11/77

6375 TD, 6303 PETD, Mesa Verde 5784-6284.

SI. - 944 BLW.

COST \$372 M.

3/14/77

6375 TD, 6303 PETD, Mesa Verde 5784-6284.

SI. - 944 BLW.

COST: \$372M

3/15/77

6375 TD, 6303 PETD, Mesa Verde 5784-6284.

NMOCC POT: 7 Day SI, TP 1080, CP 1082, F 8 BNO
+ 2 BLW/3 hrs, 3/4 ck, GV 4.8 MMCFPD, TP 375 CP
733, CAOF 7.6 MMCFPD, Oil Gv 60.9 @ 60°, Comp
1/14/77, SI & drop from report pending gas pipe
line connection.

DROP FROM REPORT.

COST: \$394M