

PEOC - SURVEY REPORT

Page 1 of 1

WELL NAME: Curtis

PEOC-NVC



00202326

32-26 VERTICAL HOLD

TOOL CONFIGURATION:

STARTING DEPTH

0.0

ENDING DEPTH

5010.0

TOOL NAME

MSS

SIDE TRACK #

1

DATE: 08/08/1992

SLOT #:

LONG: 0.0

LAT.: 0.0

RKB - WELL HEAD: 18

RKB - MLW: 6892

<-CLOSURE->

| MD | ANGLE | AZM. | TVD | V. SECT | DIST | AZM | TOTAL COORDINATES (N/-S) | (E/-W) | DLS |
|--------|-------|---------|--------|---------|-------|------|-----------------------------|--------|------|
| 0.0 | 0.00 | N66.80W | 0.0 | 0.0 | 0.0 | N 0E | 0.0 | 0.0 | 0.00 |
| 92.0 | 0.50 | N25.00E | 92.0 | -0.0 | 0.4 | N25E | 0.4 | 0.2 | 0.54 |
| 158.0 | 0.75 | N43.00W | 158.0 | 0.3 | 1.0 | N 4E | 1.0 | 0.1 | 1.10 |
| 222.0 | 0.25 | N30.00W | 222.0 | 0.7 | 1.5 | N10W | 1.5 | -0.3 | 0.80 |
| 283.0 | 0.75 | N87.00E | 283.0 | 0.4 | 1.4 | N 1W | 1.4 | -0.0 | 0.00 |
| 341.0 | 0.75 | N87.00E | 341.0 | -0.3 | 1.6 | N27E | 1.4 | 0.7 | 0.00 |
| 405.0 | 0.75 | S57.00E | 405.0 | -1.1 | 2.0 | N51E | 1.2 | 1.5 | 0.72 |
| 510.0 | 0.75 | N51.00E | 510.0 | -2.3 | 3.1 | N65E | 1.3 | 2.8 | 0.84 |
| 654.0 | 0.75 | N47.00E | 654.0 | -3.3 | 4.9 | N59E | 2.5 | 4.2 | 0.04 |
| 779.0 | 1.00 | N79.00E | 778.9 | -4.6 | 6.8 | N60E | 3.4 | 5.9 | 0.43 |
| 904.0 | 1.25 | N75.00E | 903.9 | -6.7 | 9.2 | N65E | 3.9 | 8.3 | 0.21 |
| 1027.0 | 1.25 | N57.00E | 1026.9 | -8.7 | 11.9 | N65E | 5.0 | 10.8 | 0.32 |
| 1130.0 | 2.00 | N52.00E | 1129.8 | -10.4 | 14.8 | N63E | 6.7 | 13.1 | 0.74 |
| 1224.0 | 2.50 | N50.00E | 1223.8 | -12.4 | 18.4 | N61E | 9.0 | 16.0 | 0.54 |
| 1317.0 | 1.75 | N32.00E | 1316.7 | -13.8 | 21.6 | N57E | 11.6 | 18.3 | 1.07 |
| 1766.0 | 2.25 | N 7.00E | 1765.4 | -14.2 | 35.2 | N42E | 26.3 | 23.4 | 0.22 |
| 2075.0 | 4.00 | N13.00W | 2074.0 | -8.2 | 48.6 | N28E | 43.0 | 22.6 | 0.66 |
| 2187.0 | 4.00 | N35.00W | 2185.7 | -3.0 | 53.7 | N21E | 50.1 | 19.4 | 1.36 |
| 2310.0 | 3.75 | N26.00W | 2308.4 | 3.3 | 59.3 | N15E | 57.3 | 15.2 | 0.53 |
| 2403.0 | 4.00 | N33.00W | 2401.2 | 7.9 | 63.9 | N11E | 62.7 | 12.1 | 0.57 |
| 2582.0 | 4.00 | N50.00W | 2579.8 | 18.6 | 72.2 | N 3E | 72.1 | 3.9 | 0.66 |
| 3130.0 | 5.75 | N51.00W | 3125.8 | 61.9 | 106.6 | N18W | 101.7 | -32.1 | 0.32 |
| 3390.0 | 6.97 | N66.80W | 3384.2 | 89.9 | 129.6 | N26W | 116.5 | -56.7 | 0.82 |
| 3607.0 | 8.00 | N80.00W | 3599.3 | 118.1 | 150.1 | N34W | 124.6 | -83.7 | 0.92 |
| 3733.0 | 9.00 | N76.00W | 3723.9 | 136.6 | 164.0 | N38W | 128.4 | -101.9 | 0.92 |
| 3858.0 | 9.23 | N76.00W | 3847.3 | 156.4 | 180.1 | N42W | 133.2 | -121.1 | 0.18 |
| 3868.0 | 9.25 | N76.00W | 3857.2 | 158.0 | 181.4 | N43W | 133.6 | -122.7 | 0.20 |
| 3983.0 | 10.25 | N73.00W | 3970.5 | 177.4 | 198.2 | N46W | 138.8 | -141.4 | 0.98 |
| 4106.0 | 10.25 | N76.00W | 4091.6 | 199.3 | 217.6 | N48W | 144.7 | -162.5 | 0.43 |
| 4197.0 | 10.75 | N77.00W | 4181.1 | 215.8 | 232.3 | N50W | 148.5 | -178.7 | 0.58 |
| 4250.0 | 10.75 | N75.92W | 4233.1 | 225.7 | 241.2 | N51W | 150.9 | -188.3 | 0.38 |
| 4295.0 | 10.75 | N75.00W | 4277.3 | 234.0 | 248.9 | N52W | 153.0 | -196.4 | 0.38 |
| 4357.0 | 10.50 | N75.00W | 4338.3 | 245.5 | 259.5 | N53W | 155.9 | -207.4 | 0.40 |
| 4418.0 | 10.50 | N74.00W | 4398.3 | 256.6 | 269.9 | N54W | 158.9 | -218.1 | 0.30 |
| 4488.0 | 10.25 | N76.00W | 4467.1 | 269.2 | 281.7 | N55W | 162.2 | -230.3 | 0.63 |
| 4496.0 | 10.25 | N76.00W | 4475.0 | 270.6 | 283.0 | N55W | 162.5 | -231.7 | 0.00 |
| 4540.0 | 10.25 | N76.00W | 4518.3 | 278.4 | 290.3 | N56W | 164.4 | -239.3 | 0.00 |
| 4604.0 | 10.00 | N69.00W | 4581.3 | 289.6 | 301.1 | N56W | 167.8 | -250.0 | 1.96 |
| 4745.0 | 8.89 | N66.33W | 4720.4 | 312.7 | 323.8 | N57W | 176.6 | -271.4 | 0.85 |
| 4763.0 | 8.75 | N66.00W | 4738.2 | 315.4 | 326.5 | N57W | 177.7 | -273.9 | 0.83 |
| 4960.0 | 9.97 | N72.51W | 4932.5 | 347.4 | 357.9 | N58W | 189.0 | -303.9 | 0.82 |
| 5005.0 | 10.25 | N74.00W | 4976.8 | 355.3 | 365.5 | N58W | 191.3 | -311.5 | 0.85 |
| 5010.0 | 10.25 | N74.00W | 4981.8 | 356.2 | 366.4 | N58W | 191.5 | -312.3 | 0.00 |

PEOC - SURVEY REPORT

WELL NAME: Curtis

PEOC-NVG

32-26 DIRECTIONAL HOLE

TOOL CONFIGURATION:

| STARTING DEPTH | ENDING DEPTH | TOOL NAME | SIDE TRACK # |
|----------------|--------------|-----------|--------------|
| 0.0 | 3390.0 | MSS | 1 |
| 3391.0 | 4350.0 | MSS | 2 |

DATE: 08/17/1992

SLOT #:

LONG: 0.0

LAT.: 0.0

RKB - WELL HEAD: 18

RKB - MLW: 6892

| <-CLOSURE-> | | | | | | | | | |
|-------------|-------|---------|--------|---------|-------|------|-------------------|--------|-------|
| MD | ANGLE | AZM. | TVD | V. SECT | DIST | AZM | TOTAL COORDINATES | | DLS |
| | | | | | | | (N/-S) | (E/-W) | |
| 0.0 | 0.00 | N66.80W | 0.0 | 0.0 | 0.0 | N 0E | 0.0 | 0.0 | 0.00 |
| 92.0 | 0.50 | N25.00E | 92.0 | -0.0 | 0.4 | N25E | 0.4 | 0.2 | 0.54 |
| 158.0 | 0.75 | N43.00W | 158.0 | 0.3 | 1.0 | N 4E | 1.0 | 0.1 | 1.10 |
| 222.0 | 0.25 | N30.00W | 222.0 | 0.7 | 1.5 | N10W | 1.5 | -0.3 | 0.80 |
| 283.0 | 0.75 | N87.00E | 283.0 | 0.4 | 1.4 | N 1W | 1.4 | -0.0 | 0.00 |
| 341.0 | 0.75 | N87.00E | 341.0 | -0.3 | 1.6 | N27E | 1.4 | 0.7 | 0.00 |
| 405.0 | 0.75 | S57.00E | 405.0 | -1.1 | 2.0 | N51E | 1.2 | 1.5 | 0.72 |
| 510.0 | 0.75 | N51.00E | 510.0 | -2.3 | 3.1 | N65E | 1.3 | 2.8 | 0.84 |
| 654.0 | 0.75 | N47.00E | 654.0 | -3.3 | 4.9 | N59E | 2.5 | 4.2 | 0.04 |
| 779.0 | 1.00 | N79.00E | 778.9 | -4.6 | 6.8 | N60E | 3.4 | 5.9 | 0.43 |
| 904.0 | 1.25 | N75.00E | 903.9 | -6.7 | 9.2 | N65E | 3.9 | 8.3 | 0.21 |
| 1027.0 | 1.25 | N57.00E | 1026.9 | -8.7 | 11.9 | N65E | 5.0 | 10.8 | 0.32 |
| 1130.0 | 2.00 | N52.00E | 1129.8 | -10.4 | 14.8 | N63E | 6.7 | 13.1 | 0.74 |
| 1224.0 | 2.50 | N50.00E | 1223.8 | -12.4 | 18.4 | N61E | 9.0 | 16.0 | 0.54 |
| 1317.0 | 1.75 | N32.00E | 1316.7 | -13.8 | 21.6 | N57E | 11.6 | 18.3 | 1.07 |
| 1766.0 | 2.25 | N 7.00E | 1765.4 | -14.2 | 35.2 | N42E | 26.3 | 23.4 | 0.22 |
| 2075.0 | 4.00 | N13.00W | 2074.0 | -8.2 | 48.6 | N28E | 43.0 | 22.6 | 0.66 |
| 2187.0 | 4.00 | N35.00W | 2185.7 | -3.0 | 53.7 | N21E | 50.1 | 19.4 | 1.36 |
| 2310.0 | 3.75 | N26.00W | 2308.4 | 3.3 | 59.3 | N15E | 57.3 | 15.2 | 0.53 |
| 2403.0 | 4.00 | N33.00W | 2401.2 | 7.9 | 63.9 | N11E | 62.7 | 12.1 | 0.57 |
| 2582.0 | 4.00 | N50.00W | 2579.8 | 18.6 | 72.2 | N 3E | 72.1 | 3.9 | 0.66 |
| 3130.0 | 5.75 | N51.00W | 3125.8 | 61.9 | 106.6 | N18W | 101.7 | -32.1 | 0.32 |
| 3390.0 | 6.97 | N66.80W | 3384.2 | 89.9 | 129.6 | N26W | 116.5 | -56.7 | 0.82 |
| 3412.0 | 9.10 | N82.00W | 3405.9 | 93.0 | 131.6 | N27W | 117.3 | -59.6 | 13.60 |
| 3443.0 | 11.90 | N85.50W | 3436.4 | 98.5 | 134.8 | N29W | 118.0 | -65.2 | 9.26 |
| 3474.0 | 15.50 | S87.00W | 3466.5 | 105.5 | 138.6 | N32W | 118.0 | -72.6 | 12.93 |
| 3505.0 | 18.58 | S87.00W | 3496.2 | 114.0 | 143.1 | N35W | 117.6 | -81.6 | 9.94 |
| 3536.0 | 21.80 | S84.80W | 3525.3 | 123.9 | 148.9 | N38W | 116.8 | -92.3 | 10.67 |
| 3556.0 | 24.42 | S85.20W | 3543.6 | 131.1 | 153.3 | N41W | 116.1 | -100.1 | 13.12 |
| 3604.0 | 27.93 | S84.40W | 3586.7 | 150.6 | 166.5 | N47W | 114.2 | -121.2 | 7.35 |
| 3635.0 | 27.64 | S85.60W | 3614.1 | 163.9 | 176.5 | N50W | 112.9 | -135.6 | 2.03 |
| 3696.0 | 26.94 | S86.30W | 3668.4 | 189.8 | 197.6 | N56W | 111.0 | -163.5 | 1.26 |
| 3791.0 | 27.00 | S83.00W | 3753.0 | 229.3 | 232.5 | N63W | 107.0 | -206.4 | 1.58 |
| 3852.0 | 27.53 | S82.80W | 3807.2 | 254.6 | 256.0 | N66W | 103.5 | -234.1 | 0.88 |
| 3885.0 | 27.82 | S82.70W | 3836.5 | 268.5 | 269.2 | N68W | 101.6 | -249.3 | 0.89 |
| 3945.0 | 29.67 | S83.20W | 3889.1 | 294.6 | 294.7 | N71W | 98.0 | -278.0 | 3.11 |
| 4038.0 | 30.91 | S86.30W | 3969.4 | 337.7 | 337.9 | N74W | 93.7 | -324.7 | 2.15 |
| 4100.0 | 32.36 | S86.01W | 4022.2 | 367.9 | 368.7 | N76W | 91.6 | -357.1 | 2.35 |
| 4165.0 | 32.65 | S85.97W | 4077.0 | 400.3 | 402.0 | N77W | 89.1 | -392.0 | 0.45 |
| 4226.0 | 31.50 | S87.44W | 4128.7 | 430.5 | 433.2 | N78W | 87.2 | -424.3 | 2.28 |
| 4242.0 | 31.36 | S87.55W | 4142.3 | 438.3 | 441.3 | N79W | 86.9 | -432.6 | 0.94 |
| 4330.0 | 30.63 | S88.13W | 4217.8 | 480.8 | 485.4 | N80W | 85.2 | -477.9 | 0.90 |

| | | | | | | | | | |
|--------|-------|---------|--------|-------|-------|------|------|--------|------|
| 4351.0 | 30.45 | S89.52W | 4235.8 | 490.9 | 495.9 | N80W | 85.0 | -488.6 | 3.47 |
| 4410.0 | 30.12 | S87.29W | 4286.8 | 518.9 | 525.1 | N81W | 84.1 | -518.3 | 1.99 |
| 4444.0 | 29.39 | S86.00W | 4316.3 | 534.7 | 541.6 | N81W | 83.1 | -535.2 | 2.86 |
| 4506.0 | 28.95 | S87.00W | 4370.4 | 562.8 | 571.1 | N82W | 81.3 | -565.3 | 1.06 |
| 4548.0 | 28.95 | S87.00W | 4407.2 | 581.8 | 591.1 | N82W | 80.2 | -585.6 | 0.00 |

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

PEOC-NVG #32-26H

Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

INITIAL REPORT

07-25-92: 170' - Day 1. Made 170'. SPUDDED @
12:30AM 7/25/92. Drl, surv, rm stabilizer dn. Upper
Mancos. MW 8.7, vis 32, WL 30.4. Surv: 1/2° N25E @ 92'.

TWC: \$133,741

07-26-92: 910' - Day 2. Made 740' Drlg. Upper
Mancos fm. MW 9.0, vis 31, WL 20.6. Surv: 3/4° N43W @
158'; 1/4° N30W @ 222'; 3/4° N87E @ 283'; 3/4° N87E @
341'; 3/4° S57E @ 405'; 3/4° N51E @ 510'; 3/4° N47E @
654'.

TWC: \$144,593

07-27-92: 1,450' - Day 3. Made 540' Drlg. Mancos
fm. MW 9.0, vis 36, WL 16.8. Surv: 1° N79E @ 779';
1-1/4° N75E @ 904'; 1-1/4° N57E @ 1027'; 2° N52E @
1130'; 2-1/2° N50E @ 1224'; 1-3/4° N32E @ 1317'.

TWC: \$151,538

07-28-92: 1,835' - Day 4. Made 385' last 24 hrs.
PO: Rmg 80' to btm. Lower Mancos fm. MW 9.0, vis 36,
WL 14.0, pH 9.5. Trip out & wrk tight hole. PU BHA &
trip in. Drl, surv, rig serv. Surv: 3/4° @ 1475'; 3/4°
@ 1600'; 1-1/4° @ 1751'.

TWC: \$165,825

07-29-92: 2,322' - Day 5. Made 487'. PO: Drlg.
Lower Mancos fm. MW 9.1, vis 38, WL 13.6, pH 9.5.
Drl, surv, rig repair. Trip out; wrkd 8 stds out
w/35,000# drag. PU monel & TIH. Rm 40' fill, drl &
surv. Surv: 2° @ 1910'; 2-3/4° @ 2034'; 4° N13W @
2075'; 4° N35W @ 2187'.

TWC: \$177,041

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892'Staked; 6889'GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

07-30-92: 2,500' - Day 6. Made 178'. Lower Mancos fm. Drl, surv, rmg & wrk tight hole, drl. Made short trip f/logs (10 stds). C&C f/logs. Surv, trip f/logs, RU loggers & log. Trip in f/csg. LD monel DC, move IBS. MW 9.1, vis 49, WL 13.2, pH 9.5. Surv: 1766° N7E @ 1766'; 3-3/4° N26W @ 2310'; 4° N33W @ 2403'. LOGGING REPT: Schlumberger rn DIL from TD to surf; FDC from 1350' to 350'KB & Caliper from 2500' to 0'KB.

TWC: \$176,895

07-31-92: 2,500' - Day 7. Made 0'. TIH, rm 65' to btm - no fill. C&C. TOOH. SD f/accident. MW 9.1, vis 50, WL 13.2, pH 9.5.

TWC: \$186,118

08-01-92: 2,500' - Day 8. Made 0. PO: LDDC. Lower Mancos fm. MW 8.9, vis 43, WL 12.0. OSHA inspected rig, RU tongs, TIH, rm 96' to btm - 13' fill. C&C f/csg. TOH to DC, RU LD & LD DC.

TWC: \$208,235

08-02-92: 2,500' - Day 9. Made 0'. PO: Cut off conductor & NU. LD DC, RU casers & rn csg. C&C f/cmt. Cmt 9-5/8" surf csg w/1150 sx Howco Lite (slurry wt 12.8#/gal) followed by 440 Premium cmt (slurry wt 15.6#/gal). Displ w/187 BW. MW 8.8, vis 13, WL 12.0, pH 9.0.

TWC: \$282,156

08-03-92: 2,500' - Made 0'. PO: Tstg csg. Lower Mancos fm. Cut off conductor, weld on head, NU. Tstd BOP stack, lines, vlvs & manifold to 3000#; Hydril to 1500#; surf csg to 2500#. MW 9.4, vis 27, pH 9.

TWC: \$290,089

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

08-04-92: 2,956' - Made 156'. PO: Drlg. Lower
Mancos fm. MW 8.7, vis 29, WL N/C, pH 9.5. BOP tst, PU
BHA, TIH, press tst fm. Surv: 4° N50E @ 2582'.

TWC: \$309,377

08-05-92: 3,733' - Day 12. Made 833'. PO: Drlg.
Drl, circ & surv, rig repair. Niobrara Tran. Zone. MW
8.9, vis 33, WL 15.2, pH 9.0. Surv: 4° N50W @ 2582';
5-3/4° N51W @ 3130'; 8° N80W @ 3607'; 9° N76W @ 3733'.

TWC: \$326,370

(CORRECTED FOOTAGE 8/4/92: 456')

08-06-92: 4,227' - Day 13. Made 494'. PO: TIH
w/new BHA. Niobrara 1st Bench. Surv, drl, trip f/BHA.
MW 8.9, vis 33, WL 14.0, pH 9.0. Surv: 9-1/4° N76W @
3868'; 10-1/4° N73W @ 3983'; 10-1/4° N76W @ 4106';
10-3/4° N77W @ 4197'.

TWC: \$337,275

(CORRECTED FOOTAGE 8/5/92 - 777')

08-07-92: 4,626' - Day 14. Made 229'. PO: Drlg.
Niobrara fm. MW 9.0, vis 34, WL 15.2. Surv: 10-3/4° N75W
@ 4295'; 10-1/2° N76W @ 4357'; 10-1/2° N74W @ 4410'; 10°
N69W @ 4604'.

TWC: \$347,901

08-08-92: 5,010' - Day 15. Made 384' last 24 hrs.
PO: TIH. Frontier top @ 4960'. Surv, drl, trip out,
logging. MW 9.1, vis 34, WL 14.0, pH 9.0. Surv: 8-3/4° @
N66W 4763'; 10-1/4° N74W @ 5005'.

TWC: \$380,966

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892'Staked; 6889'GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

08-09-92: 5,010' - Day 16. Made 0'. PO: Circ & WO
Halliburton. Frontier fm. TIH opn ended, circ, WO
Halliburton. MW 9.0, vis 33, WL 11.2, pH 9.0.

TWC: \$391,110

08-10-92: 3,285'PBD - Day 17. Made 0'. PO: TIH to
tag plug. Set cmt plug 4700-4460'. Circ & LDDP. Set cmt
plug 3583-3285'. LDDP, LDDC while WO cmt. MW 9.0, vis
31, WL 17.2, pH 9.0.

TWC: \$405,250

08-11-92: 3,333'PBD - Day 18. Made 57' last 24 hrs.
PO: WOC. TIH, RU rot head, wsh to btm, tag TOC @ 3275'.
Time drl cmt 1/2 MPF, WOC, drl cmt 1/2 MPF, WOC. drl cmt
3/4 MPF, WOC. MW 9.0, vis 31, WL 26, pH 10.5.

TWC: \$417,821

08-12-92: 3,459'PBD - Day 19. Made 69' last 24 hrs.
Lower Mancos fm. PO: Slide drlg. WOC, time drl, circ, RU
Sperry Sun & DMI, trip & drl. MW 9.0, vis 33, WL 24.4,
pH 11.5. Surv: 9.1° N82W @ 3412'.

TWC: \$432,427

(CORRECTED FOOTAGES: 08/08/92 = 399'; 08/11/92 = 47';
08/12/92 = 127'.

08-13-92: 3,597' - Day 20. Made 138'. PO: Circ & WO
swivel unit. Operations Summary: Drlg w/mud motor, surv,
RU DMI, rm out build section. Lower Mancos fm. MW 9.0,
vis 32, WL 16.8, pH 10.5. Surv: 11.90° N85.5W @ 3443';
15.50° S87.8W @ 3474'; 18.58° S87W @ 3505'; 21.80°
S84.8W @ 3536'; 24.42° S85.20W @ 3556'.

TWC: \$449,376

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

08-14-92: 3,640' - Day 21. Made 43'. PO: Rot drlg
w/mud motor. Operations Summary: WO swivel, trip, drlg.
Lower Mancos fm. MW 9.0, vis 31, WL 14.4, pH 10.0

TWC: \$462,718

08-15-92: 4,215' - Day 22. Made 575' last 24 hrs.
Niobrara fm. PO: Drilling. Operations Summary: Rot drlg,
slide drlg, surv. MW 9.0, vis 32, WL 13.2, pH 9.0. Surv:
27.93° S84.4W @ 3604'; 27.64° S85.6W @ 3635'; 26.94°
S86.3W @ 3696'; 27.00° S83.0W @ 3791'; 27.82° S82.7W @
3885'; 29.67° S83.2W @ 3945'; 30.91° S86.3W @ 4038'.

TWC: \$480,986

08-16-92: 4,392' - Day 23. Made 177' last 24 hrs.
Tow Creek fm. PO: Trip in DST. Operations Summary: Drl,
circ samples, drl, trip, PU tst tls. MW 9.1, vis 33, WL
12, pH 9.0. Surv: 32.36° S86.01W @ 4100'; 32.65° S85.97W
@ 4165'; 31.50° S87.44W @ 4226'; 30.63° S88.13W @ 4330';
30.45° S89.52W @ 4351'.

TWC: \$496,625

08-17-92: 4,548' - Day 24. Made 156' last 24 hrs.
Wolf Mtn fm. PO: Trip out f/logs. Operations Summary:
DST, trip, drl, circ f/logs, trip out. MW 9.0, vis 33,
WL 11.6, pH 9.0. Surv: 29.39° N86E @ 4444'; 28.95° N87E
@ 4506'. DST #1: Niobrara fm 4290-4390'. Opnd tl
w/strong blow which decr during flw period. DP rec: 112'
(1.5 bbls) mud. IHP 1958; FHP 1958; BHT 124°F. 1st flw
(16 min) IFP 53, FFP 42. FSI (30 min) ISIP 95 psi; 2nd
flw (60 min) IFP 53, FFP 53. FSI (120 min) FSIP 116.6
psi. Samp chamber cont 2100 cc mud.

TWC: \$511,125

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

08-18-92: 4,548' - Day 25. Made 0' last 24 hrs. PO:
Circ & WOO. Operations Summary: TOH, logged, TIH, circ &
WOO. Wolf Mtn fm. MW 9.0, vis 32, WL 12.8, pH 9.0. OPN
HOLE LOGGING REPT: Schlumberger rn GR-SP-CAL-Induction
log from 4550-3200'KB; FMS from 4540-4300'KB & FMS from
3850-3750'KB. Log tops:

| | |
|-------------------|-------|
| Top of Buck Peak | 3852' |
| Top of Tow Creek | 4242' |
| 85' fault | 4340' |
| 20' fault | 4405' |
| Top Wolf Mountain | 4410' |
| Btm Wolf Mountain | 4530' |

TWC: \$528,956

08-19-92: 4,548' - Day 26. Made 0' last 24 hrs. PO:
LDDP. Operations Summary: WOO, TOO, TIH, cmt btm plug
4550-4350'. Wolf Mtn fm. MW 9.0, vis 32, WL 12.8, pH
9.0.

TWC: \$542,436

08-20-92: 4,360' - Day 27. Made 0' last 24 hrs.
PO: RD rot tl. Operations Summary: Pmp btm plug 4550'-
4330'. LDDP, ND BOP, cln mud tks. Load out rental DP &
rel rental equip. Rel rig @ 1800 hrs 08/19/92.

TWC: \$549,689

08-21-92: 4,360' TD - Rigging down.

08-22-92: 4,350' TD - Day 29. Made 0'. PO: Pmp
reserve pit. Operations Summary: RU pmps to pmp reserve
pit, wrk on pmp motor. Wolf Mtn. Fm.

TWC: \$553,400

08-23-92: Day 30. Made 0'. PO: Pmp reserve pit.
Wolf Mtn. Fm.

TWC: \$554,671

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892'Staked; 6889'GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

08-24-92: Day 31. Made 0. PO: Load out rot rig & move. Operations Summary: Pmp reserve pit. Wolf Mtn. Fm.

TWC: \$555,992

08-25-92: 4,350'TD - Day 32. Made 0'. PO: Load out & move rot tl. Operations Summary: Circ reserve pit, load out & move rot tl. Wolf Mtn. fm.

TWC: \$557,088

08-26-92: 4,350'TD - Moving rig.

08-27-92: 4,350'TD - Day 34. Made 0' last 24 hrs. PO: RD pmp & haul reserve pit mud. Wolf Mtn fm. Operations Summary: Meeting with landowner on restoration; pmp reserve pit.

TWC: \$559,280

08-28-92: 4,350'TD - Day 35. Made 0'. PO: Set & tst anchors. Operations Summary: Haul drlg mud from reserve pit.

TWC: \$559,941

08-29-92 Shut down. No activity.
thru
09-07-92

09-08-92: Flw back well 100 bbls, 400 psi. Flw reduced to 1" stream after 1-1/2 hrs.

TWC: \$563,41

09-09-92 4,350'TD - SD - No activity.
thru
09-10-92

PEOC-NVG #32-26H

Routt County, Colorado
Curtis Field
SWNE Sec. 26, T6N, R81W
1934' EWL & 1836' SNL
TD: 4,350' Niobrara
Contr: Adcore
EL: 6892' Staked; 6889' GRD
PEOC W.I.: 1.00
AFE: #702-104-C
AFE: \$1,093,800
Spud Date: 07/25/92
PP#: 01122

09-11-92: 4,350' TD - PO: WOC, SI 48 hrs. Operations
Summary: RU Halliburton, pmp 250 sx cmt w/3% CaCl dn 2-
3/8" parasite string @ 2400' (yield 1.18, wt 15.8, 1300
psi @ 4 BPM). Sptd cmt 2300-2775'. MW 9.0+.

TWC: \$569,444

09-12-92: 4,350' TD - PO: P&A well. Check psi on
well - 0 psi. Operations summary: Check f/flow - no flw.

TWC: \$570,155

09-13-92: PO: RU Halliburton to set top 100' plug.

TWC: \$570,866

09-14-92: PO: MI dirt equip. Operations summary:
Set 100' cmt surf plug, cut off WH & weld on dry hole
marker cap. PU loc, load up tbg, rel rental equip. Well
PLUGGED AND ABANDONED.

TWC: \$578,290

FINAL REPORT