



Midland Field Office

January 4, 2006

RECEIVED

JAN 17 2005

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Attention: Mr. Will Jones

RE: APPLICATION TO INJECT 9/28/2005
BURRUS WATERFLOOD PROJECT

Dear Will,

Per your email request, enclosed is the before and after well bore diagrams for the proposed seven injection wells. Also enclosed is the WBD for the Field #1 which has been plugged and abandoned. The cement bond logs are in the process of being copied and will be sent directly to the District office for scanning.

Should you need anything further, please contact me by email or telephone at (432) 687-2992 extension 6032.

Yours truly,

Brenda Coffman
Regulatory Analyst

Enclosures (15)

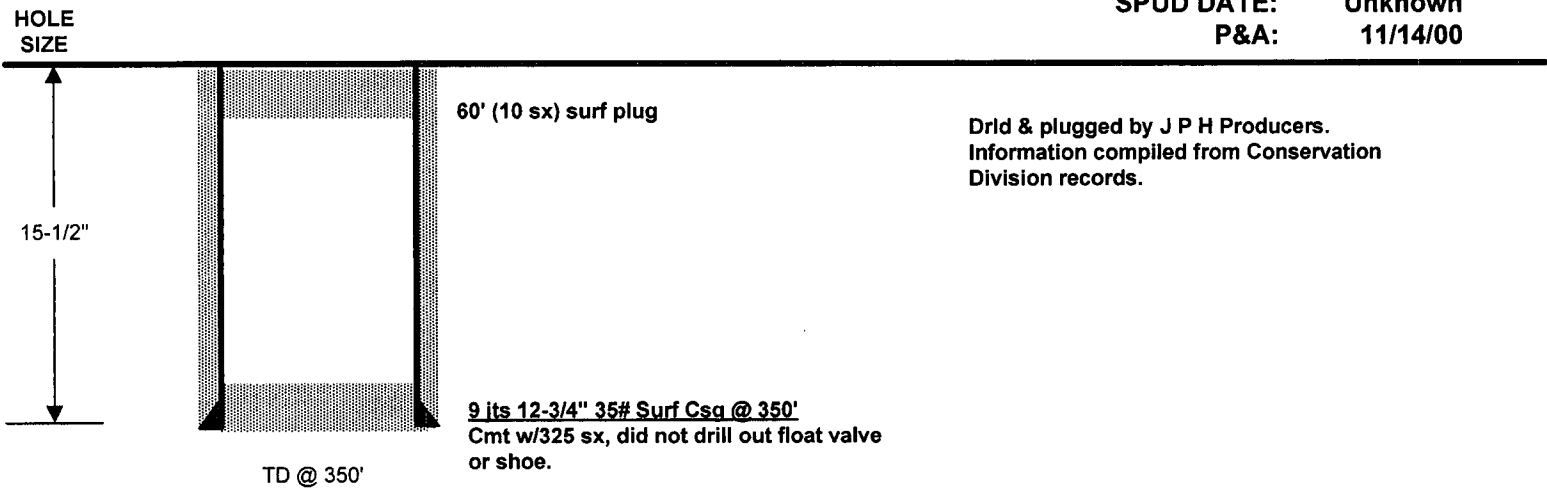
C: Mr. Bill Carr
P O Box 2208
Santa Fe, NM 87504-2208

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC

WELL : FIELDS #1
FIELD : WILDCAT (DEVONIAN)
COUNTY : LEA STATE: NM
LOCATION : 990' FSL & 1,650' FEL, SEC. 22, T12S-R38E
ELEVATION : 3,798' GL 3,816' KB



API #: 30-025-33892
SPUD DATE: Unknown
P&A: 11/14/00

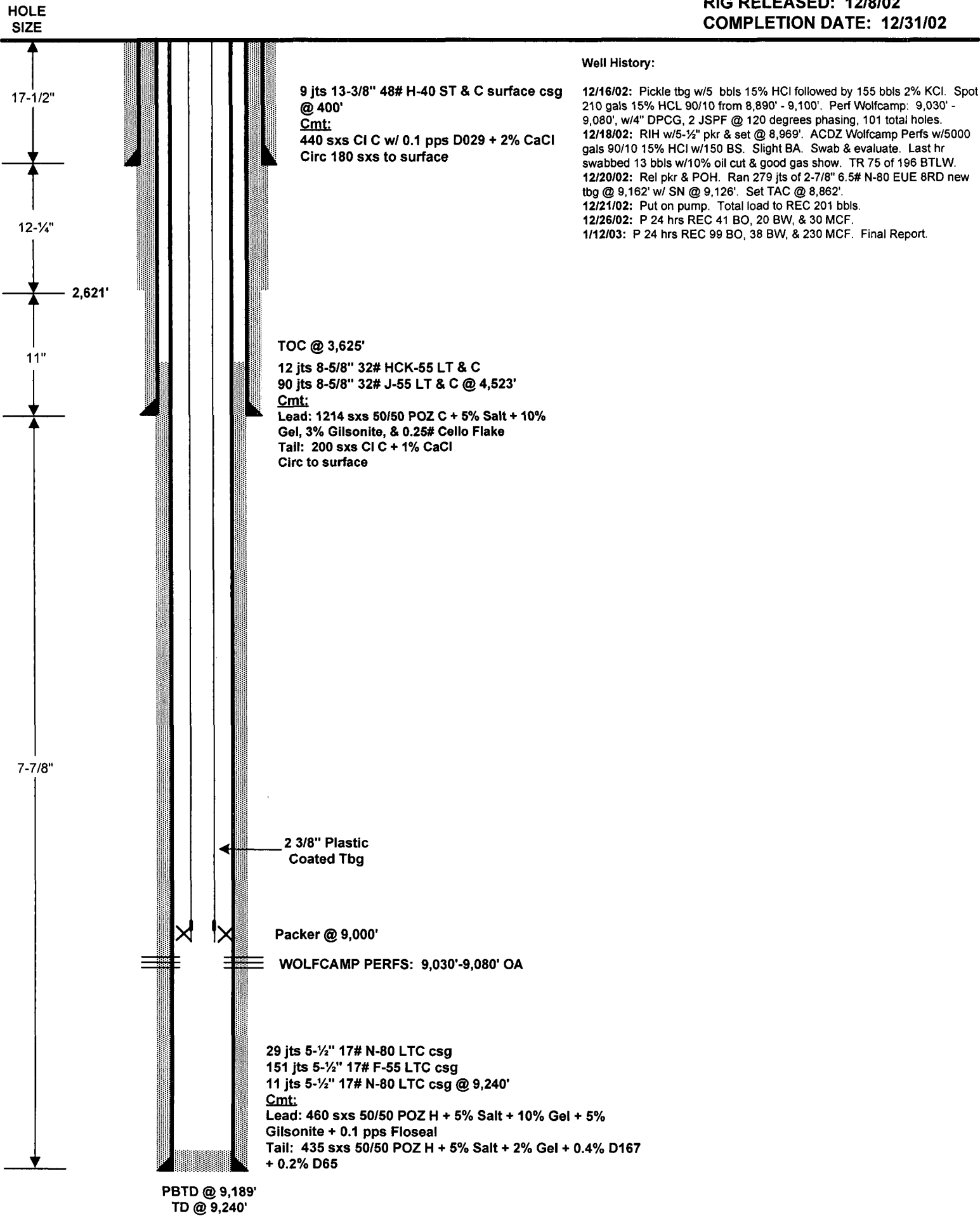


CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : BURRUS 11
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 1,650' FSL & 2,310' FWL, SEC. 22, T12S-R38E
ELEVATION : 3,801' GL 3,819' KB

API #: 30-025-36038
SPUD DATE: 11/13/02
RIG RELEASED: 12/8/02
COMPLETION DATE: 12/31/02

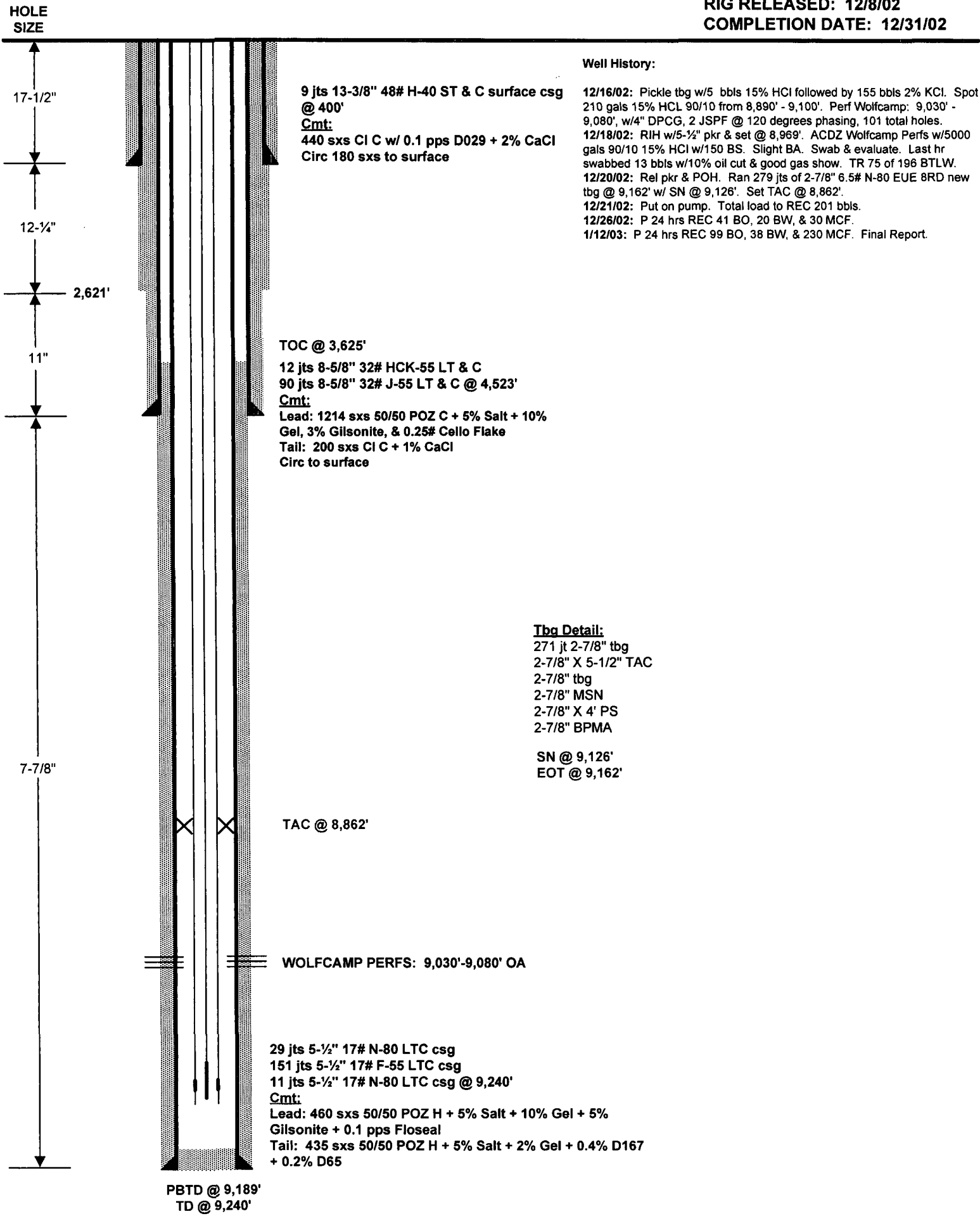


CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : BURRUS 11
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 1,650' FSL & 2,310' FWL, SEC. 22, T12S-R38E
ELEVATION : 3,801' GL 3,819' KB

API #: 30-025-36038
SPUD DATE: 11/13/02
RIG RELEASED: 12/8/02
COMPLETION DATE: 12/31/02



Proposed

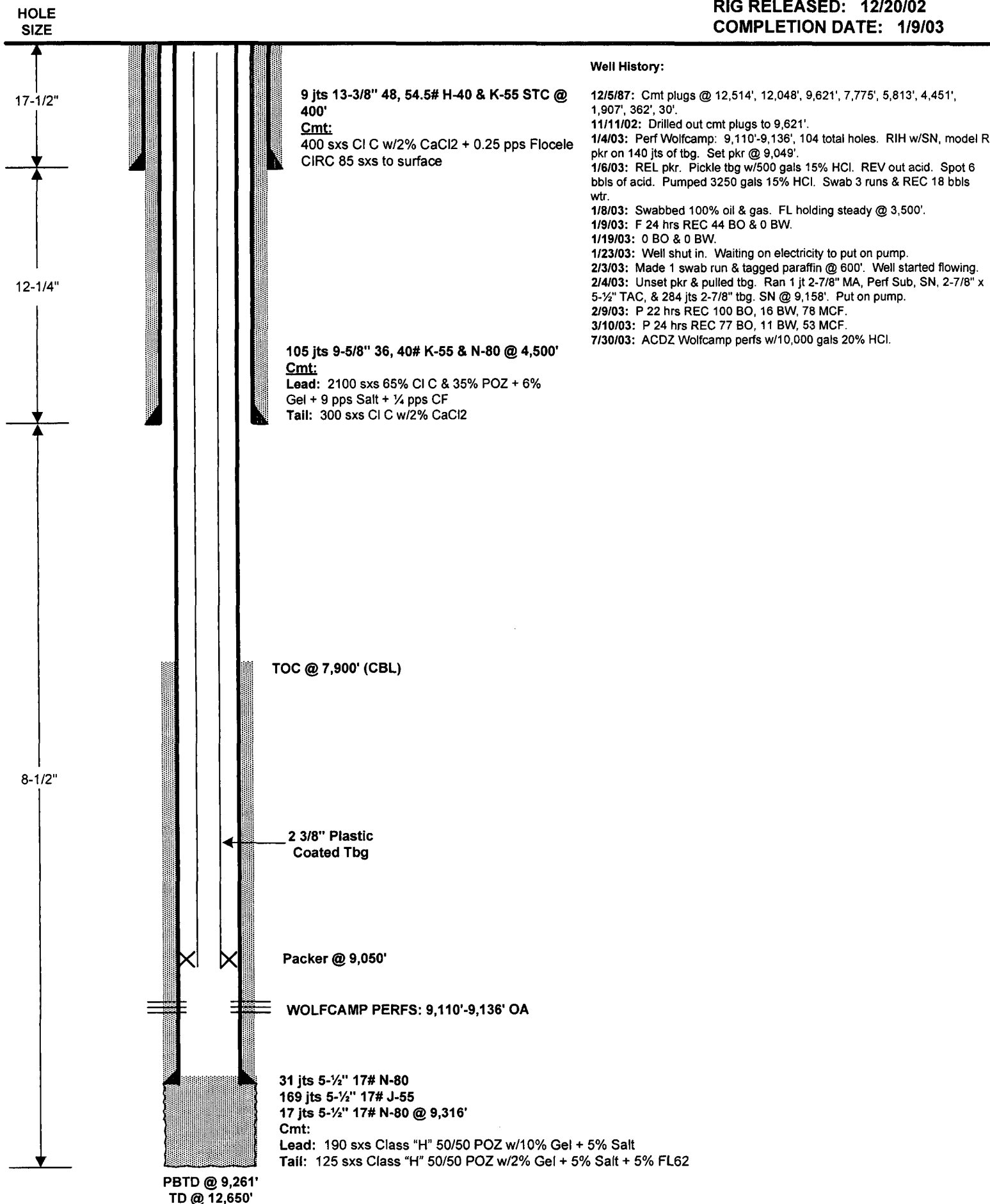
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC



WELL : STATE DZ #1
FIELD : TRINITY
COUNTY : LEA STATE: NM
LOCATION : 330' FSL & 1,650' FWL, SEC. 23, T12S-R38E
ELEVATION : 3,792' GL 3,811' KB

API #: 30-025-30106
SPUD DATE: 11/2/87
RIG RELEASED: 12/20/02
COMPLETION DATE: 1/9/03



PREPARED BY : Melissa D. Meals

DATE : 7/9/04

UPDATED BY : Jeff Finnell

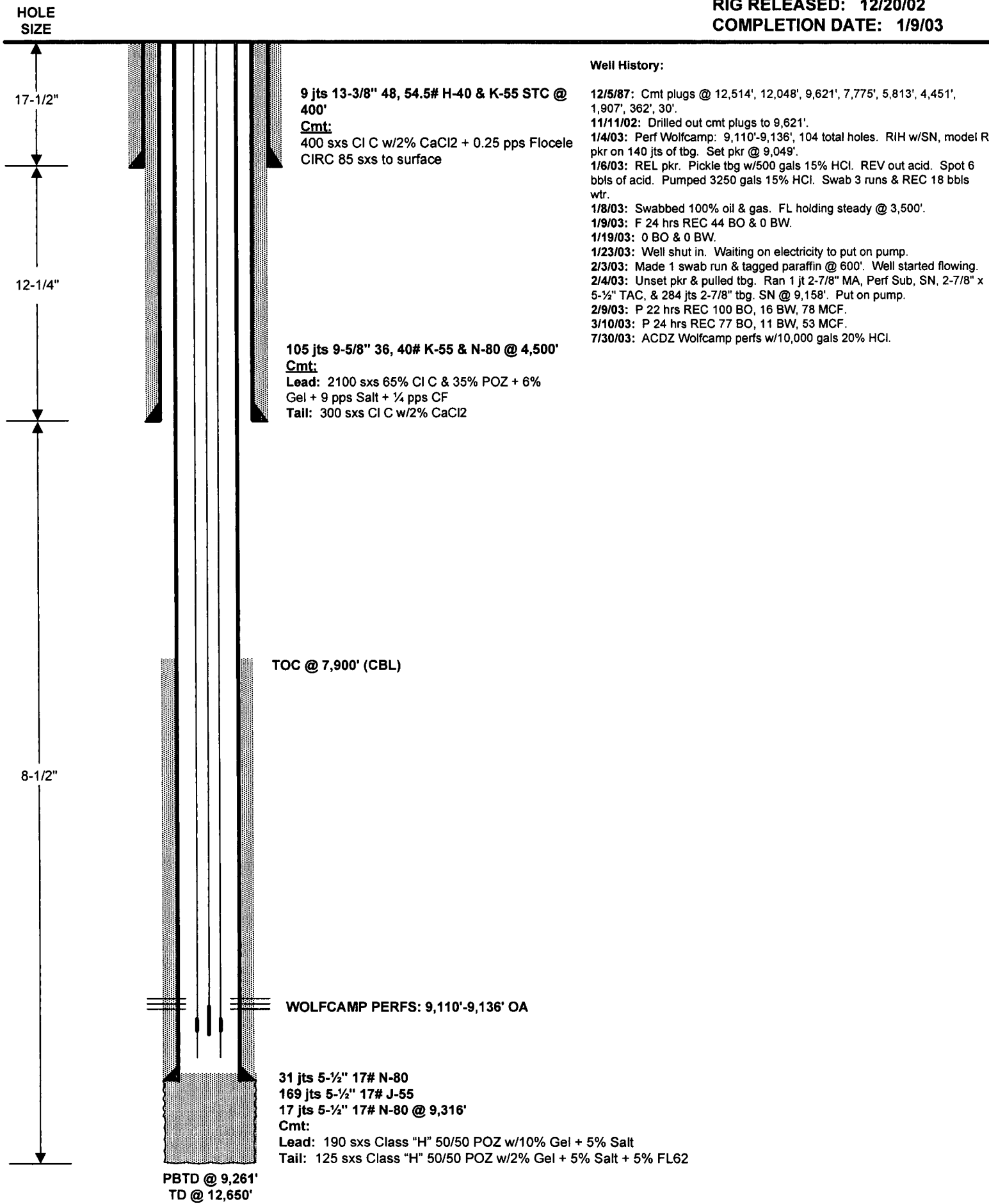
DATE : 12/14/05

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : STATE DZ #1
FIELD : TRINITY
COUNTY : LEA STATE: NM
LOCATION : 330' FSL & 1,650' FWL, SEC. 23, T12S-R38E
ELEVATION : 3,792' GL 3,811' KB

API #: 30-025-30106
SPUD DATE: 11/2/87
RIG RELEASED: 12/20/02
COMPLETION DATE: 1/9/03



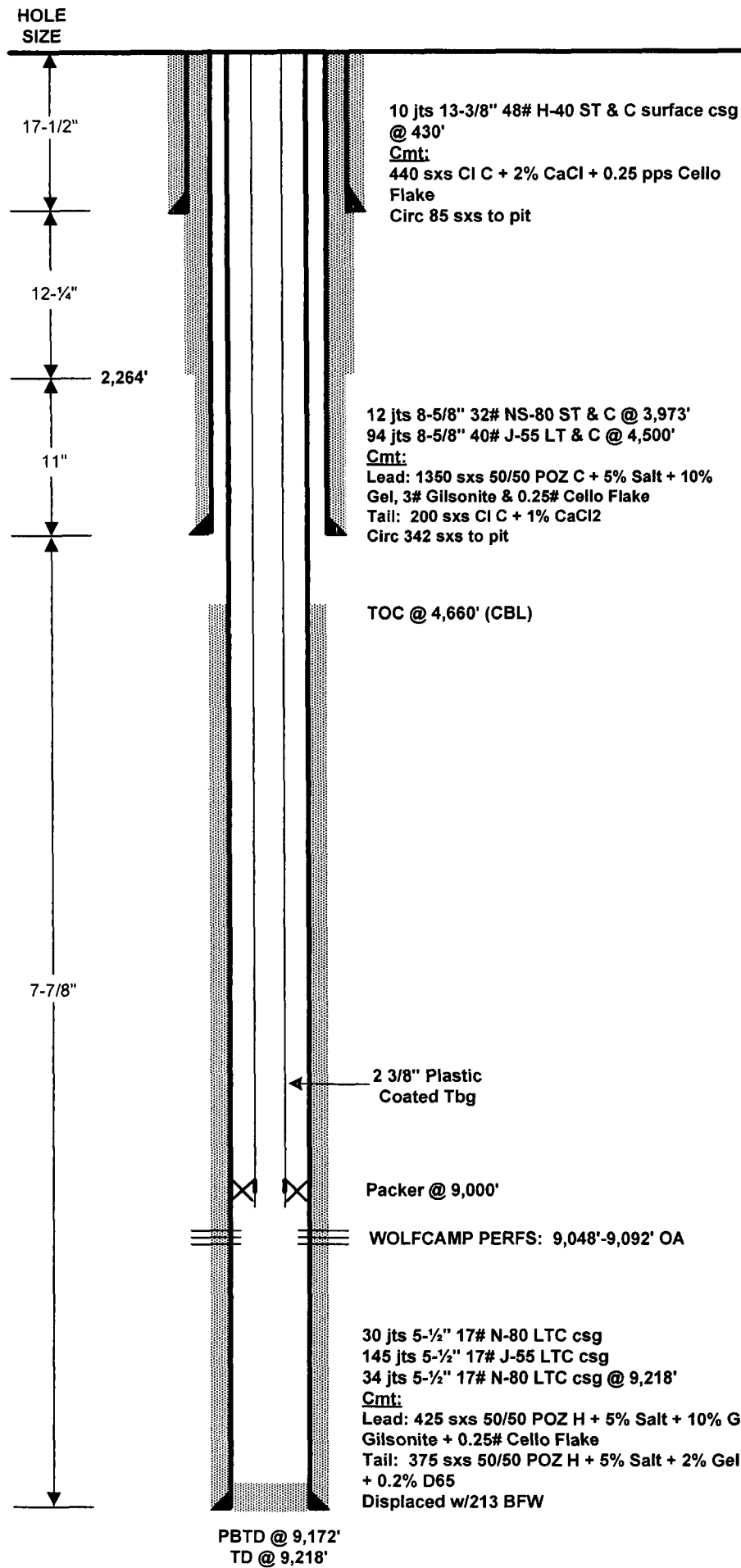
Proposed

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : BURRUS 7
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 330' FNL & 2,310' FWL, SEC. 27, T12S-R38E
ELEVATION : 3,799' GL 3,818' KB

API #: 30-025-36187
SPUD DATE: 4/17/03
RIG RELEASED: 5/10/03
COMPLETION DATE: 5/15/03



Well History:

5/15/03: Perf Wolfcamp: 9,048'-9,092', 2 SPF, 3-1/8" slick guns, 23 GC, 120 degrees phasing, 89 total holes. RIH w/2-3/8" x 5-1/2" K-3 pkr & set @ 8,874'. Swab 4 hrs REC 59 BLW, 45 BLWTR.

5/17/03: ACDZ Wolfcamp Perfs: 9,046'-9,092' w/4500 gals 90/10 15% HCl. Drop 8 BS every 250 gals (120 total). Good BA. Didn't ball out. Swab & evaluate. 10% oil cut after 9th run. Good gas behind swab.

5/20/03: Unset pkr & TOH. PU 1 jt 2-7/8" OPMA, 2-7/8" x 4' sub, slotted 2-7/8" SN, mech SN w/16' GA. TIH w/7 jts 2-7/8" tbg, TAC, 276 jts 2-7/8" tbg. Set TAC @ 8,876', SN @ 9,102', EOT @ 9,134'. PU 2-1/2" x 1-3/4" x 30' pump. 1 - 1' rod, 30K shear tool, 110 - 1" grade D rods w/SHSM couplings. Put on pump.

6/4/03: P 24 hrs REC 148 BO, 5 BW, & 458 MCF. Down 6 hrs to make gas tie-in for Burrus 2-A.

6/13/03: P 24 hrs REC 167 BO, 0 BW, & 159 MCF.

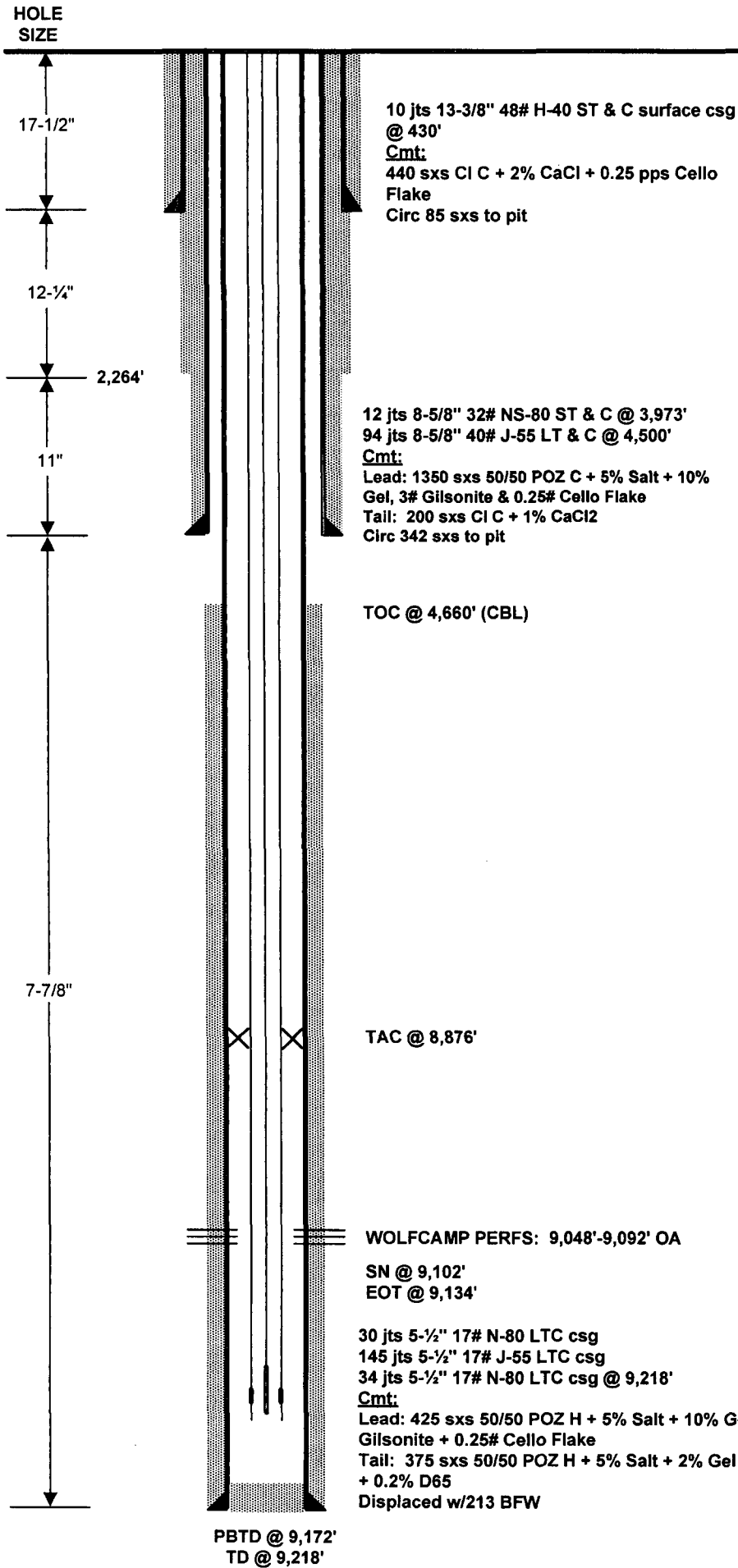
11/24/03: Change out pump & rods.

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : BURRUS 7
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 330' FNL & 2,310' FWL, SEC. 27, T12S-R38E
ELEVATION : 3,799' GL 3,818' KB

API #: 30-025-36187
SPUD DATE: 4/17/03
RIG RELEASED: 5/10/03
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Well History:
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5/17/03: ACDZ Wolfcamp Perfs: 9,046'-9,092' w/4500 gals 90/10 15% HCl. Drop 8 BS every 250 gals (120 total). Good BA. Didn't ball out. Swab & evaluate. 10% oil cut after 9th run. Good gas behind swab.
5/20/03: Unset pkr & TOH. PU 1 jt 2-7/8" OPMA, 2-7/8" x 4' sub, slotted 2-7/8" SN, mech SN w/16' GA. TIH w/7 jts 2-7/8" tbg, TAC, 276 jts 2-7/8" tbg. Set TAC @ 8,876', SN @ 9,102', EOT @ 9,134'. PU 2-1/2" x 1-3/4" x 30' pump. 1 - 1' rod, 30K shear tool, 110 - 1" grade D rods w/SHSM couplings. Put on pump.
6/4/03: P 24 hrs REC 148 BO, 5 BW, & 458 MCF. Down 6 hrs to make gas tie-in for Burrus 2-A.
6/13/03: P 24 hrs REC 167 BO, 0 BW, & 159 MCF.
11/24/03: Change out pump & rods.

Proposed

CURRENT WELLBORE SCHEMATIC

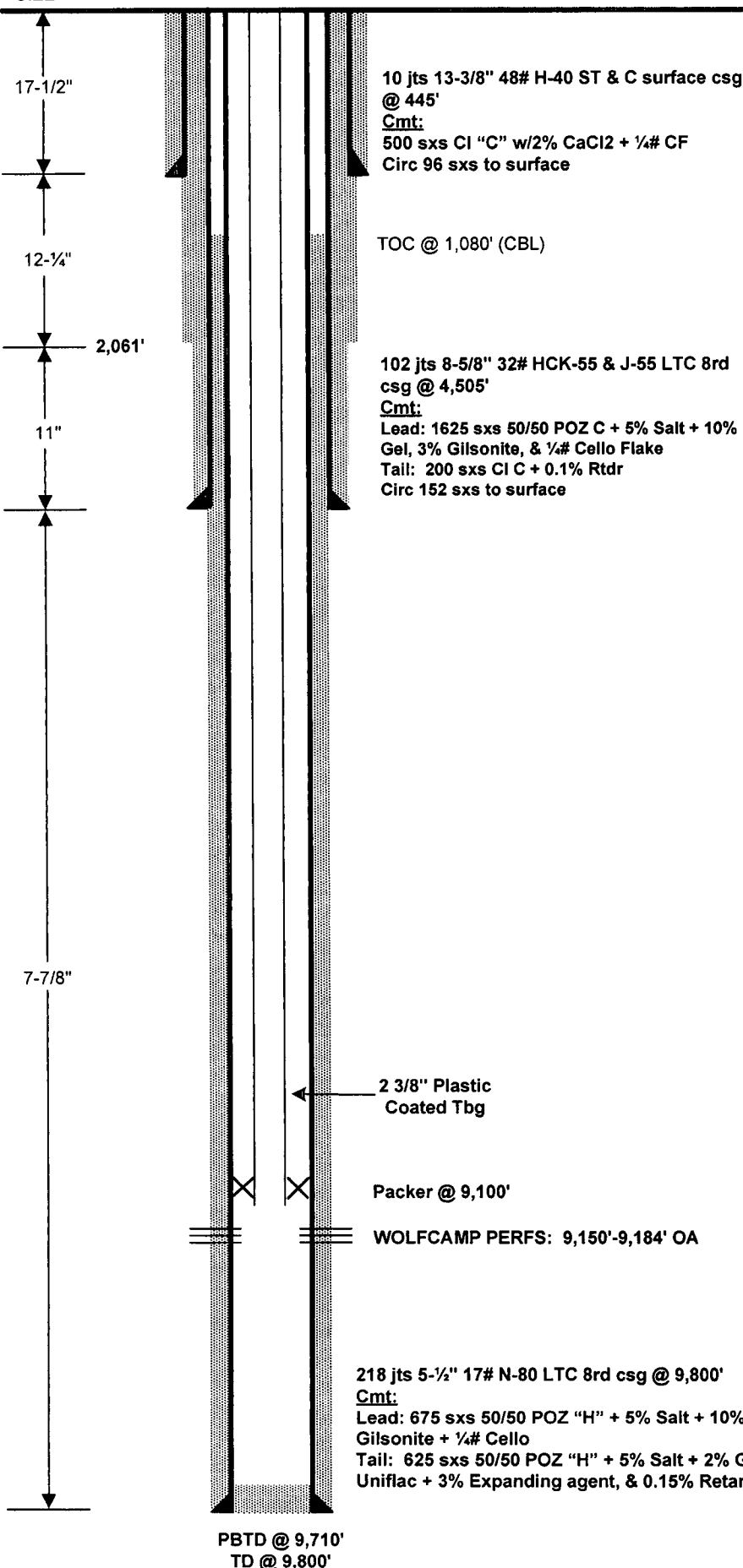
CHESAPEAKE OPERATING INC

WELL : BURRUS 23-3
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 1,650' FSL & 2,200' FEL, SEC. 23, T12S-R38E
ELEVATION : 3,789' GL 3,808' KB



API #: 30-025-36450
SPUD DATE: 1/27/04
RIG RELEASED: 2/27/04
COMPLETION DATE: 3/19/04

HOLE
SIZE



Well History:

3/3/04: Pickle tbg w/3 bbls 15% HCl. Pump 160 bbls 2% KCl, spot 12 bbls 15% 90/10 Acidtrol.
3/4/04: Perf Wolfcamp: 9,150'-9,184' w/4" csg gun, 2 SPF, 120 deg phsg, 69 total holes. RIH w/277 jts 2-7/8" tbg & pkr to 9,094'. REV CIRC 17 bbls 2% KCl dwn ann. Set pkr @ 9,055'. Pump 20 bbls 2% KCl. Swab 3 runs REC 20 BLW (54 BLWTR).
3/6/04: Swab 2 runs REC 12 BW. ACDZ Wolfcamp Perfs w/3700 gals 15% 90/10 Acidtrol, pump 700 gals ahead. Drop 5 BS every 3 bbls. Slight BA. Flush w/60 bbls 2% KCl wtr. Swab 10 runs REC 55 BLW, 82 BLWTR. Sand line parted on 10th run, left 1700' of sand line, spang jars & swab mandrel in hole. Unset pkr & POOH w/72 std tbg.
3/7/04: Cut & unthread sand line. REC jars & swab mandrel. RIH w/1 jt 2-7/8" TP, K-3 pkr, MSN, & 277 jts 2-7/8" tbg to 9,094'. REV CIRC 150 bbls 2% KCl dwn ann & set pkr @ 9,055'.
3/11/04: Swab 11 runs, sample shows trace to 1% oil cut through day. REC 40 BF, make 1 RPH last 5 hrs. Final swab rate 3 BPH.
3/12/04: ACDZ Wolfcamp w/10,000 gals 20% gelled acid in 5 stages, 1500 gals 20% NEFE acid, 3000 gals 20% Ultra gel, 1000 gals 20% gelled HCl, 4000 gals 20% Ultra gel, 500 gals 20% gelled HCl. Load tbg w/73 BF, displace w/85 bbls 2% KCl. Swab 11 runs REC 65 BLW, 258 BLWTR.
3/17/04: Swab 20 runs, sample shows varied from 90% oil @ start to 25% oil @ end of day. REC 30 BO, 76 BLW. Fair gas behind swab runs.
3/18/04: Unset pkr & POOH w/277 jts tbg & pkr. PU 1 jt 2-7/8" BPMA, PS, Pup jt, SSN, MSN. RIH w/12 jts tbg, TAC, & 270 jts tbg. Set TAC @ 8,828'. MSN @ 9,222'. EOT @ 9,265'.
3/19/04: RIH w/rods & pump. Put on pump.
3/23/04: P 24 hrs REC 120 BO, 206 BW, est 210 MCFG.
4/13/04: P 24 hrs REC 258 BO, 68 BW, 321 MCFG. Final Report.

PREPARED BY : Melissa D. Meals
UPDATED BY : Jeff Finnell

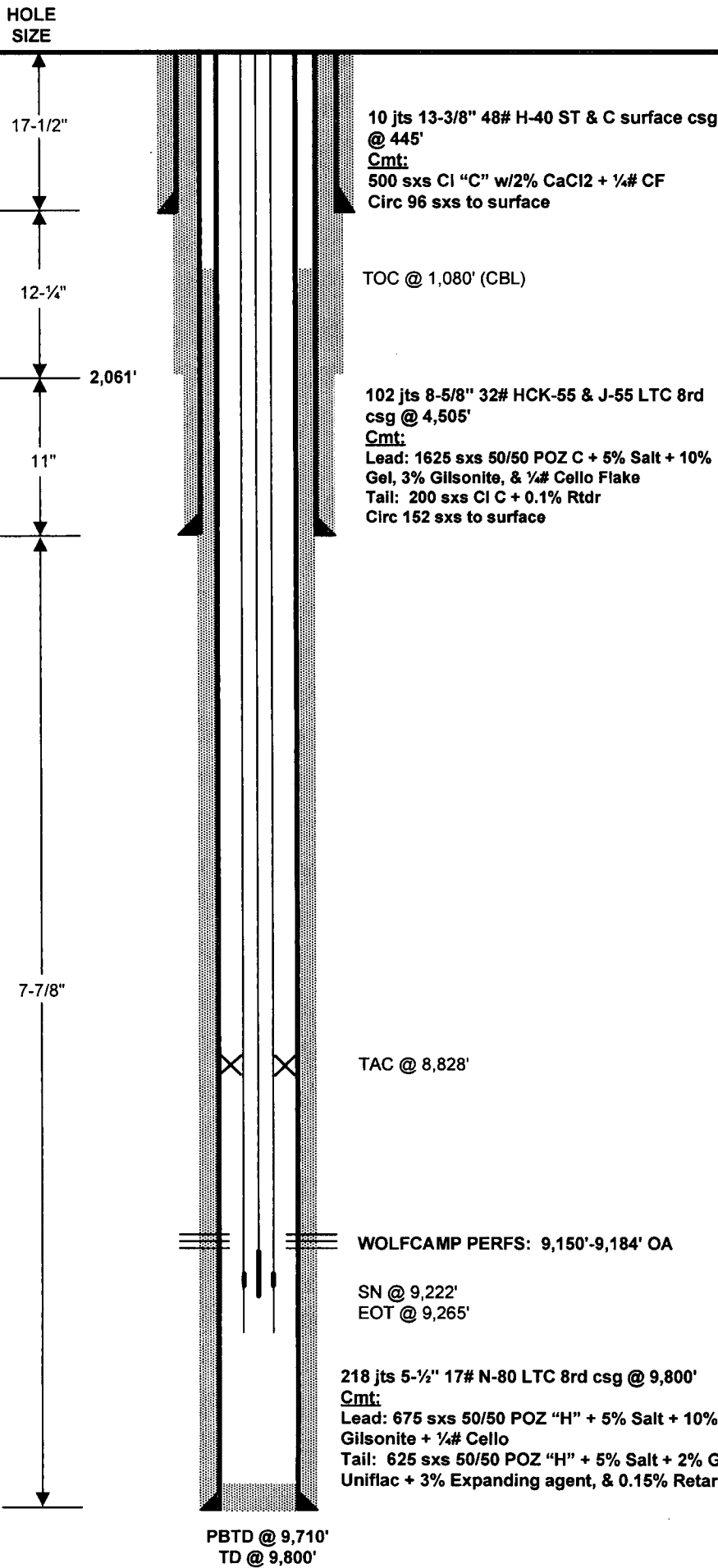
DATE : 7/12/04
DATE : 12/14/05

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : BURRUS 23-3
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 1,650' FSL & 2,200' FEL, SEC. 23, T12S-R38E
ELEVATION : 3,789' GL 3,808' KB

API #: 30-025-36450
SPUD DATE: 1/27/04
RIG RELEASED: 2/27/04
COMPLETION DATE: 3/19/04



Well History:
3/3/04: Pickle tbg w/3 bbls 15% HCl. Pump 160 bbls 2% KCl, spot 12 bbls 15% 90/10 Acidtrol.
3/4/04: Perf Wolfcamp: 9,150'-9,184' w/4" csg gun, 2 SPF, 120 deg phsg, 69 total holes. RIH w/277 jts 2-7/8" tbg & pkr to 9,094'. REV CIRC 17 bbls 2% KCl dwn ann. Set pkr @ 9,055'. Pump 20 bbls 2% KCl. Swab 3 runs REC 20 BLW (54 BLWTR).
3/6/04: Swab 2 runs REC 12 BW. ACDZ Wolfcamp Perfs w/3700 gals 15% 90/10 Acidtrol, pump 700 gals ahead. Drop 5 BS every 3 bbls. Slight BA. Flush w/60 bbls 2% KCl wtr. Swab 10 runs REC 55 BLW, 82 BLWTR. Sand line parted on 10th run, left 1700' of sand line, spang jars & swab mandrel in hole. Unset pkr & POOH w/72 stnd tbg.
3/7/04: Cut & unthread sand line. REC jars & swab mandrel. RIH w/1 jt 2-7/8" TP, K-3 pkr, MSN, & 277 jts 2-7/8" tbg to 9,094'. REV CIRC 150 bbls 2% KCl dwn ann & set pkr @ 9,055'.
3/11/04: Swab 11 runs, sample shows trace to 1% oil cut through day. REC 40 BF, make 1 RPH last 5 hrs. Final swab rate 3 BPH.
3/12/04: ACDZ Wolfcamp w/10,000 gals 20% gelled acid in 5 stages, 1500 gals 20% NEFE acid, 3000 gals 20% Ultra gel, 1000 gals 20% gelled HCl, 4000 gals 20% Ultra gel, 500 gals 20% gelled HCl. Load tbg w/73 BF, displace w/85 bbls 2% KCl. Swab 11 runs REC 65 BLW, 258 BLWTR.
3/17/04: Swab 20 runs, sample shows varied from 90% oil @ start to 25% oil @ end of day. REC 30 BO, 76 BLW. Fair gas behind swab runs.
3/18/04: Unset pkr & POOH w/277 jts tbg & pkr. PU 1 jt 2-7/8" BPMA, PS, Pup jt, SSN, MSN. RIH w/12 jts tbg, TAC, & 270 jts tbg. Set TAC @ 8,828'. MSN @ 9,222'. EOT @ 9,265'.
3/19/04: RIH w/rods & pump. Put on pump.
3/23/04: P 24 hrs REC 120 BO, 206 BW, est 210 MCFG.
4/13/04: P 24 hrs REC 258 BO, 68 BW, 321 MCFG. Final Report.

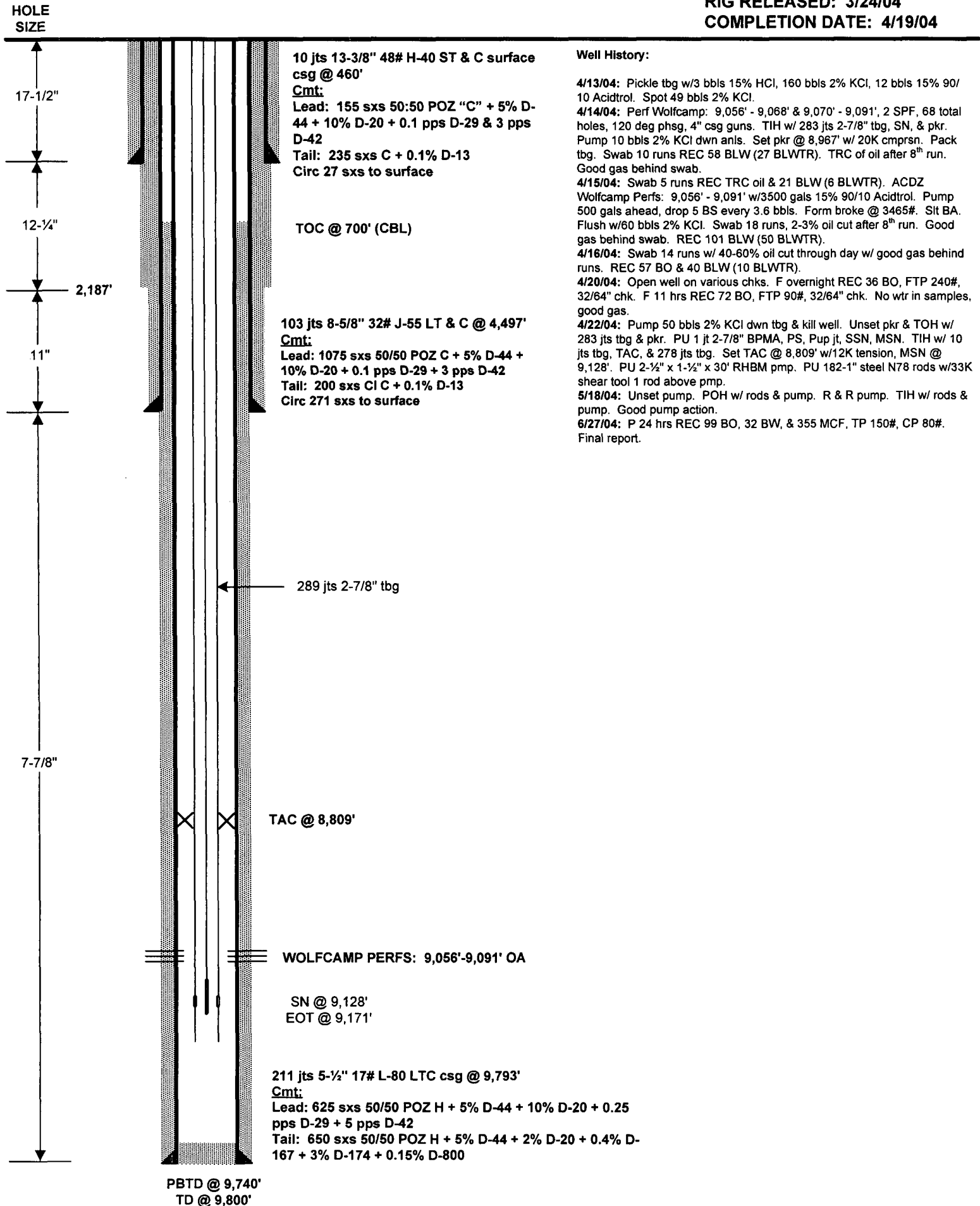
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC



WELL : BURRUS 23-5
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 2,310' FNL & 1,650' FWL, SEC. 23, T12S-R38E
ELEVATION : 3,792' GL 3,810' KB

API #: 30-025-36451
SPUD DATE: 2/29/04
RIG RELEASED: 3/24/04
COMPLETION DATE: 4/19/04



PREPARED BY : Melissa D. Meals

DATE : 7/26/04

UPDATED BY :

DATE :

Proposed

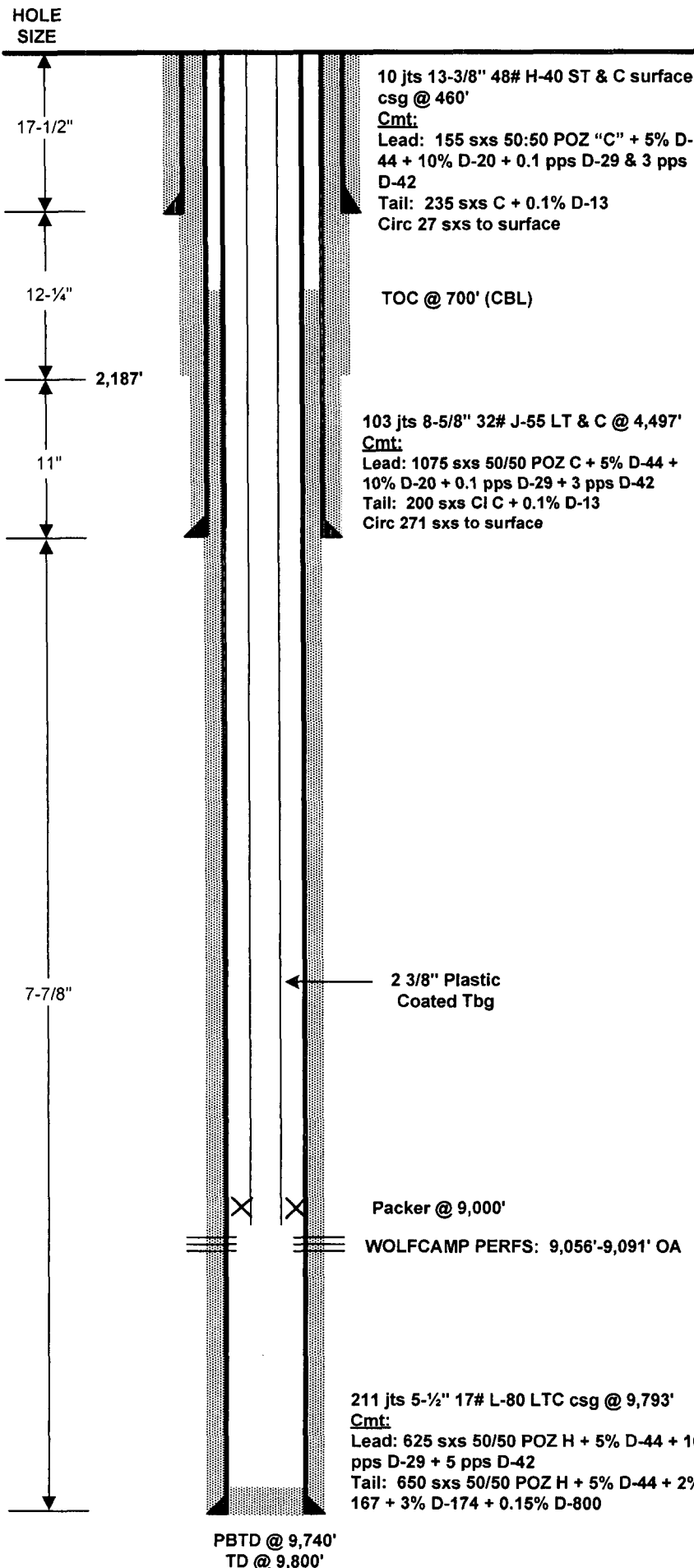
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC



WELL : BURRUS 23-5
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 2,310' FNL & 1,650' FWL, SEC. 23, T12S-R38E
ELEVATION : 3,792' GL 3,810' KB

API #: 30-025-36451
SPUD DATE: 2/29/04
RIG RELEASED: 3/24/04
COMPLETION DATE: 4/19/04



Well History:

4/13/04: Pickle tbg w/3 bbls 15% HCl, 160 bbls 2% KCl, 12 bbls 15% 90/10 Acidrol. Spot 49 bbls 2% KCl.

4/14/04: Perf Wolfcamp: 9,056' - 9,068' & 9,070' - 9,091', 2 SPF, 68 total holes, 120 deg phsg, 4" csg guns. TIH w/ 283 jts 2-7/8" tbg, SN, & pkr. Pump 10 bbls 2% KCl dwn anls. Set pkr @ 8,967' w/ 20K cmprsn. Pack tbg. Swab 10 runs REC 58 BLW (27 BLWTR). TRC of oil after 8th run. Good gas behind swab.

4/15/04: Swab 5 runs REC TRC oil & 21 BLW (6 BLWTR). ACDZ Wolfcamp Perfs: 9,056' - 9,091' w/3500 gals 15% 90/10 Acidrol. Pump 500 gals ahead, drop 5 BS every 3.6 bbls. Form broke @ 3465#. Slt BA. Flush w/60 bbls 2% KCl. Swab 18 runs, 2-3% oil cut after 8th run. Good gas behind swab. REC 101 BLW (50 BLWTR).

4/16/04: Swab 14 runs w/ 40-60% oil cut through day w/ good gas behind runs. REC 57 BO & 40 BLW (10 BLWTR).

4/20/04: Open well on various chks. F overnight REC 36 BO, FTP 240#, 32/64" chk. F 11 hrs REC 72 BO, FTP 90#, 32/64" chk. No wtr in samples, good gas.

4/22/04: Pump 50 bbls 2% KCl dwn tbg & kill well. Unset pkr & TOH w/ 283 jts tbg & pkr. PU 1 jt 2-7/8" BPMA, PS, Pup jt, SSN, MSN. TIH w/ 10 jts tbg, TAC, & 278 jts tbg. Set TAC @ 8,809' w/12K tension, MSN @ 9,128'. PU 2-1/2" x 1-1/2" x 30' RHBM pmp. PU 182-1" steel N78 rods w/33K shear tool 1 rod above pmp.

5/18/04: Unset pump. POH w/ rods & pump. R & R pump. TIH w/ rods & pump. Good pump action.

6/27/04: P 24 hrs REC 99 BO, 32 BW, & 355 MCF, TP 150#, CP 80#. Final report.

PREPARED BY : Melissa D. Meals

DATE : 7/26/04

UPDATED BY : Jeff Finnell

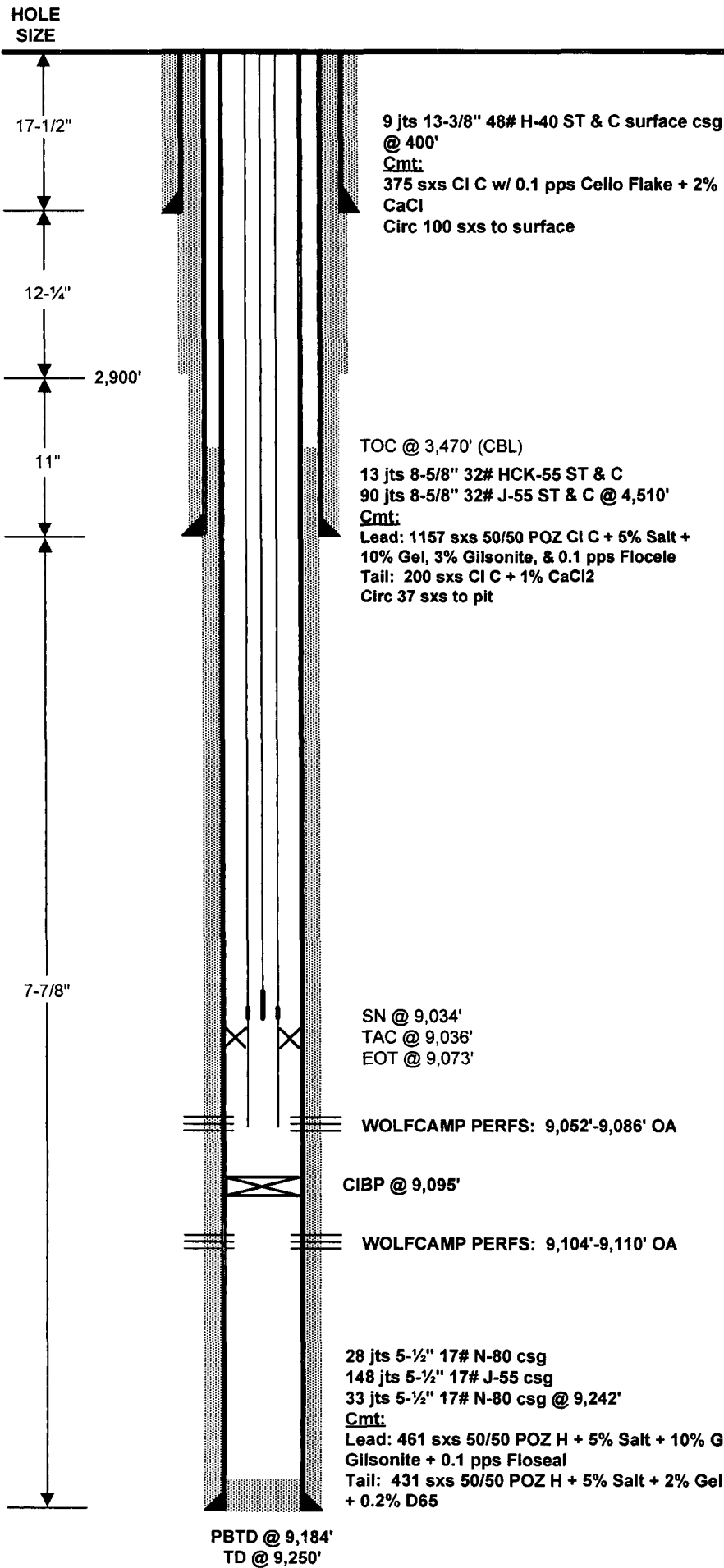
DATE : 12/14/05

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : STATE 22-1
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 2,310' FNL & 990' FEL, SEC. 22, T12S-R38E
ELEVATION : 3,799' GL 3,817' KB

API #: 30-025-36018
SPUD DATE: 10/19/02
RIG RELEASED: 11/3/02
COMPLETION DATE: 12/24/02



Well History:
11/20/02: Pickle tbg w/5 bbls 90/10 15% HCl followed by 150 bbls 2% KCl. Spot 5 bbls 90/10 15% HCl from 8,894'-9,125'.
11/21/02: Perf Wolfcamp: 9,104' - 9,110' w/4" predator csg gun, 1 SPF, 120 deg phsg. RIH w/5-1/2" pkr & set @ 9,040'. TLR 68 bbls. Swabbed 51 BW/5 hrs. Total REC 51 of 68 BTLW.
11/26/02: Swabbed 4-1/2 BW/5 hrs. Last hr REC 1/4 BW. TR 71 of 68 BTLW. REL pkr & POOH.
11/27/02: RIH w/ CIPB & set @ 9,095'. Perf Wolfcamp: 9,052' - 9,086' w/ 4" predator csg gun w/2 SPF, 69 total holes. RIH w/5-1/2" pkr & set @ 8,942'. Swabbed dry. TR 38 of 35 BTLW.
12/2/02: ACDZ Wolfcamp perfs: 9,052'-86' w/3400 gals 90/10 15% HCl w/ 110 BS. Did not ball out. Perfs broke back w/new balls on form. Swab & evaluate. Last run 30% oil cut.
12/6/02: Pump 230 bbls of acid w/110 BS. Flush btm perfs w/56 bbls KCl. Swab & evaluate. REC total of 100 bbls, load minus 186 bbls.
12/9/02: Made 7 swab runs w/5% oil cut. REL pkr & POH.
12/10/02: RU Hydro-testers & PU MA, perf sub, TAC, SSN, Mech SN. TIH w/tbg. Set TAC @ 9,036', SN @ 9,034', & EOT @ 9,073'.
12/11/02: Put on pump.
12/14/02: P 24 hrs REC 66 BO, 60 BW, & 20 MCF.
12/29/02: P 24 hrs REC 60 BO, 17 BW, & 16 MCF.
7/14/04: POH w/rods & pump. Swabbed fluid out of tbg.
7/15/04: REL TAC & POH w/tbg. Found 2-7/8" SN & pump had 2" SV. CO SN & TIH w/tbg. Set TAC @ 15 pts. Put back on pump.

Proposed

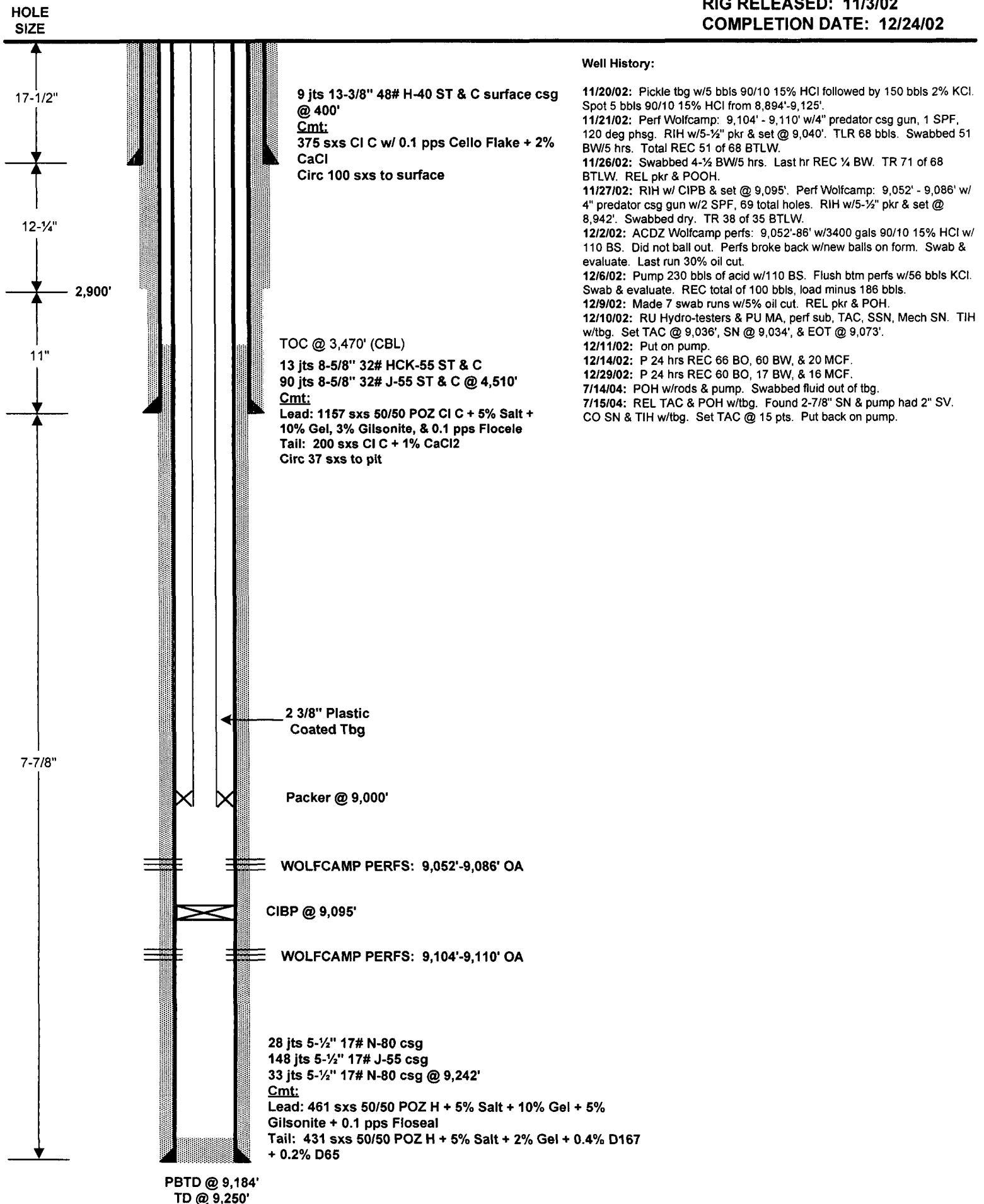
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC



WELL : STATE 22-1
FIELD : TRINITY (WOLFCAMP)
COUNTY : LEA STATE: NM
LOCATION : 2,310' FNL & 990' FEL, SEC. 22, T12S-R38E
ELEVATION : 3,799' GL 3,817' KB

API #: 30-025-36018
SPUD DATE: 10/19/02
RIG RELEASED: 11/3/02
COMPLETION DATE: 12/24/02



PREPARED BY : Melissa D. Meals

DATE : 7/7/04

UPDATED BY : Jeff Finnell

DATE : 12/14/05

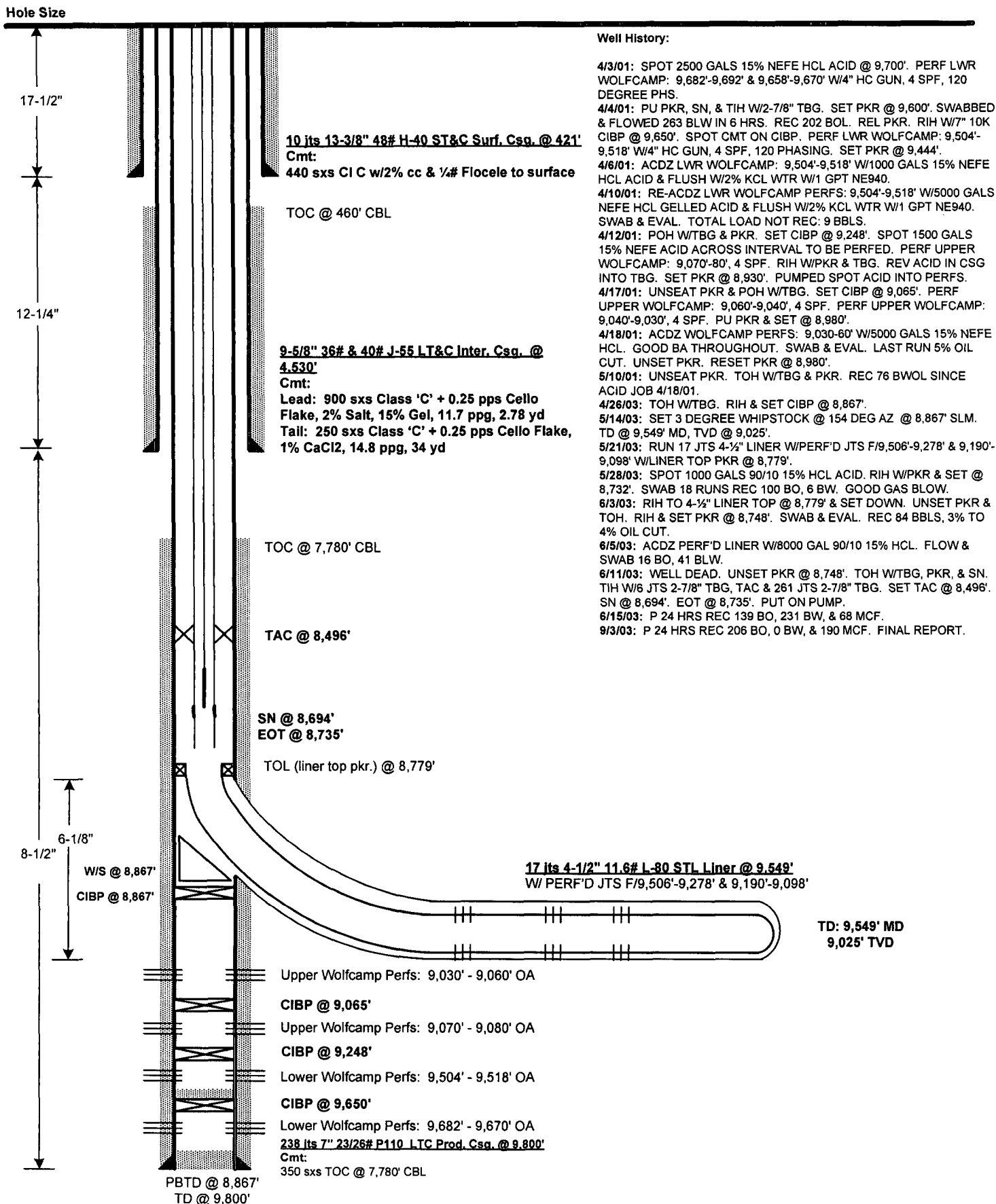
CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC.

WELL : BURRUS 2A
LOCATION : 900' FSL & 600' FEL, SEC. 22-T12S-R38E
COUNTY : LEA STATE : NM
FIELD : WOLFCAMP
ELEVATION : 3,797' GL 3,815' RKB



API #: 30-025-35188
SPUD DATE: 3/2/01
RIG RELEASED: 3/28/01



PREPARED BY: Melissa D. Meals

DATE: 6/21/04

UPDATED BY: _____

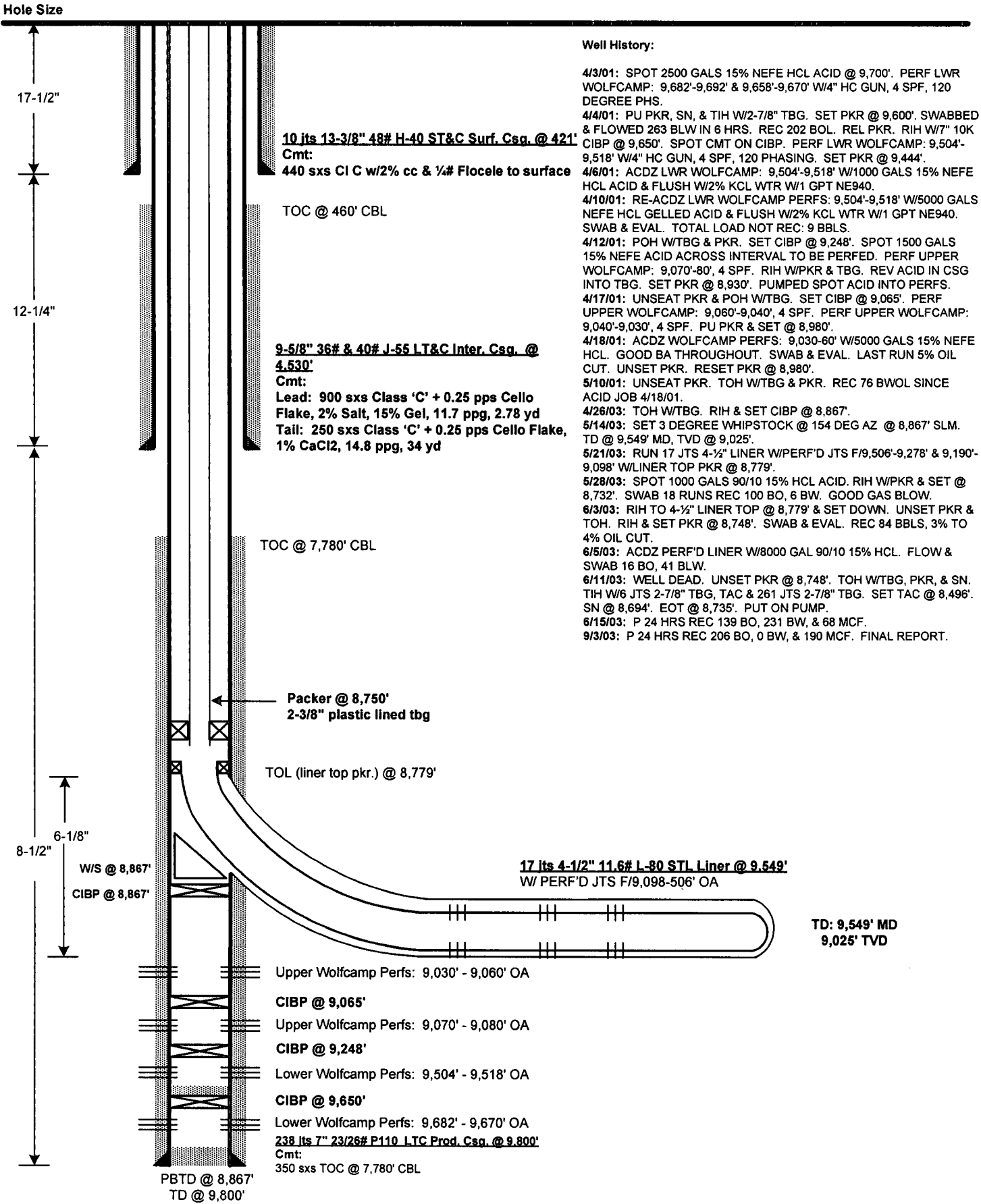
DATE: _____

PROPOSED WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC.

WELL : BURRUS 2A
LOCATION : 900' FSL & 600' FEL, SEC. 22-T12S-R38E
COUNTY : LEA STATE : NM
FIELD : WOLFCAMP
ELEVATION : 3,797' GL 3,815' RKB



API #: 30-025-35188
SPUD DATE: 3/2/01
RIG RELEASED: 3/28/01



PREPARED BY: Melissa D. Meals

DATE: 6/21/04

UPDATED BY:

DATE: