

Diamond Core #1 (2618-2655). Cut 37', rec 35½', being 1½' sd: gry VF, V silty, shly, sli cal, V thinly lam, V tight poro; 6' sh: blk V den, massive, silty-lmy, no poro; 1½' li: tan-den-sub xylm-massive, no poro; 26½' sd: gry, VF, silty, cal well cem to VF, silty & shaley, w/the bottom ½' becoming sli friable, V tight poro, no stain, fluor, cut or odor in above core.  
DIP: Fair 0° dip in laminations @ 2619'.

Diamond Core #2 (4847-4897). Cut 50', rec 50', being 1½' sd: gry, FG, laminated, tight poro, NS; 1' sd: AA, tight poro, sptd lt stain, sptd fluor, fair odor; 9' sd: AA, tight poro, NS; ½' sd: AA, tight poro, sptd lt stain, sptd fluor, fair odor; 1' sd: AA, tight poro, NS; 1' sd: AA, tight poro, sptd lt stain, sptd fluor, fair odor; 1' sd: AA, tight poro, sptd lt stain, sptd lt fluor, lt odor; 2' sd: AA, tight poro, NS; ½' sd: AA, tight poro, trace stain, sptd fluor, lt odor; ½' sd: AA, tight poro, NS; 1' sd: AA, tight poro, sctd lt stain, fair fluor, lt odor; 1' sd: AA tight poro, lt stain, fair fluor, lt odor; 11½' sd: AA, tight poro, NS; 2' sd: AA, tight poro, lt stain, sptd fluor, lt odor; 16½' sh: sdy, dk gry w/sctd sd laminations, tight poro, lt sptd stain @ 95-95½ and 96-97, sptd fluor @ 95-95½ and 96-97, lt odor @ 95-95½ & 96-97.  
DIP: Flat dip in laminations.

Diamond Core #3 (5846-5896). Cut 50', rec 50', being 14' sd: gry VF to F, silty, tight to sli friable w/a barren zone @ 5849-50, 5855-55½, 5856-56½', tight to slightly friable poro, lt stain, good fluor, cut and odor; 1' sd: gry VF, silty, V tight poro, NS; 12' sd & sh: V thinly laminated (1/64 inch), V tight poro, NS; 16' sd & sh: thinly laminated (1/8 inch), V tight poro, NS; 7' sh: blk, w/occ thin quartzitic sd & li streaks, w/one vert frac, (tight no lining), V tight poro, NS.  
DIP: Fair 2° dip 5860-73 laminated sd & shale.  
Good 15° dip 5873-80 laminated sd & shale.  
Good 3° dip 5886-91 laminated sd & shale.

DST #1 (5799-5896). Open 2 hours. Fair blow increasing to strong blow of air at end of 4 minutes. Opened surface choke at end of 7 minutes--blow decreased steadily & died at end of 4 minutes. Closed surface choke--immediate lt bubble of air, increased to fair blow at end of 10 minutes & decreased to light blow of air at end of test. Recovered 593' free gas in drill pipe, sweet, faint odor, plus 210' very sli gas and oil cut mud. Crude appeared to be high gravity.  
FP 45-90#

15 Min. SIP 135#

Diamond Core #4 (5896-5931). Cut 35', rec 27', being 7' sh: dk gry, den, V sdy, w/mul vert frac, no poro, NS; 7½' sd: gry, fine, V silty to shaley hard, V tight poro, no stain, dull drk fluor, NS; ½' sh: dk gry, V sdy, highly lam w/sd streaks, NS; 6½' sd, lt gry, F grn, silty, tight poro, lt stain, excellent fluor, cut & odor; 5½' sd: dk, V den, numerous sctd sh lam, sctd show in sd lam, V tight poro, trace sctd stain, fluor and cut, no odor; 8' lost core.  
DIP: Fair 6° dip in shale bedding 5896-5903.

Diamond Core #5 (5934-5984). Cut 50', rec 35' being 3½' sh: gry to blk, sdy, NS; ½' sd: gry, FG, tight poro, trace lt stain, trace sptd fluor, good odor; ½' sh: dk gry, sdy w/vert frac, tight frac poro, good stain in frac, good fluor in frac, good odor in frac; 24' sd: gry, VF to F, (17' of show), tight to friable poro, none to lt sctd stain, none to good sctd fluor, none to good odor; ½' sd: gry to brn, fine, dolomitic, tight poro, NS; 6' sd: gry, fine (3' of show), tight poro, none to lt sctd stain, none to good sctd fluor, none to good sctd odor; 15' lost core.  
DIP: 0° dip in shale bedding plane.  
Total show footage = 20'

5937½ - 42	5954 - 59
42½ - 43½	60 - 61
44½ - 46	61½ - 62½
47 - 47½	63 - 64
48 - 51½	67 - 69

Diamond Core #6 (5986-5989). Cut 3', rec 2½', being 2' sh: dk-gry den, vert frac, w/sd streaks, NS; ½' sd: gry, VFG, silty-shly, V tight, NS; ½' lost core.  
DIP: No recognizable dip.

Diamond Core #7 (5989-6009). Cut 20', rec 20', being 1' sd: gry, FG, w/dk shale partings, friable fair poro, lt stain, fair sptd fluor, no cut, lt

odor; 2' sd: gry, FG, tight poro, NS;  $\frac{1}{2}$ ' sd: AA, friable fair poro, lt stain, good fluor, & Odor;  $1\frac{1}{2}$ ' sd: AA, bleeding salt water, friable, no stain, fluor, cut or odor;  $1\frac{1}{2}$ ' sd: AA, friable, lt stain, good fluor, lt cut, good odor;  $\frac{1}{2}$ ' shale: gry to blk, NS; 3' sd: gry FG, friable, NS;  $2\frac{1}{2}$ ' sd: gry, VFG, shaley, tight poro, trace sptd stain & fluor, cut not tested, sctd odor;  $7\frac{1}{2}$ ' shale: gry to blk, sdy, vert frac, 1' bleeding oil @ 6007-08', no poro, sptd stain @ 6008', fair fluor @ 6008', cut not tested, fair odor @ 6008'.  
DIP: Fair 2° dip @ 6004'.

DST #2 (5887-6011). Open 2 hours. Fair blow of air, increased to good blow in 5 minutes. Steady decrease throughout remainder of test. Weak blow at end of test. No gas to surface. Recovered 340' uncut drlg. mud (4000 P.P.M.).  
FP 70-190# 15 min SIP 240#

Diamond Core #8 (6011-6059). Cut 48', rec. 48', being  $1\frac{1}{2}$ ' sd: dk gry, fine-shaley, tight poro, sctd lt stain & fluor, lt cut & odor;  $2\frac{1}{2}$ ' sd: gry-fine, tight poro, lt stain, good fluor, cut and odor; 2' sd: gry, fine, V tight poro, no stain, fluor, cut or odor;  $\frac{1}{2}$ ' shale: sdy, lam, NS;  $7\frac{1}{2}$ ' sd: gry fine, tight poro, lt stain, good fluor, cut & odor.

NOTE: The above core was stuck in the core barrel and was not recovered until core No. 10 was recovered 3 days later.

1' sd: gry to brn, VF grn, V silty & shaley, V tight, no stain, trace sptd fluor, V lt cut, no odor; 2' sd: lt gry, VF grn, to F grn, silty, tight poro, lt bleeding, excellent blue white fluor, good cut, excellent odor; 2' sd: gry, VF, den, well cem, bleeding salt water, tight poro, NS; 5' sd: gry, fine, sli friable, lt stain, excellent fluor, good cut, excellent odor; 1' shale: dk gry to brn, sdy laminated, no poro, stain, fluor, cut or odor; 22' sd: gry, fine, sli silty, sli friable to tight, sctd lt stain, excellent fluor, good cut, excellent odor;  $\frac{1}{2}$ ' sh: brn, V thinly lamin w/sd, NS;  $\frac{1}{2}$ ' sd: gry, fine, tight poro, no stain, good fluor, cut and odor.  
DIP: Fair 3° dip @ 6035'.

DST #3 (6011-6060). Open 1 hour 30 minutes. Fair blow, increased to strong blow in 1 minute. Opened SC at end of 2 minutes, blow of air, decreased to light bubble at end of  $1\frac{1}{2}$  minutes. Closed SC. Blow of air increased to fair blow in 1 minute and remained steady throughout test. Recovered 1035' of free gas in drill pipe plus 545' Hg and sli oc drilling mud.

Sample checks	Top Gas 150/30	CL 4000 PPM
	Middle	CL 4500 PPM
	Bottom	CL 6000 PPM

FP 115-292# 15 min. SIP 1450#

Diamond Core #9 (6060-6097). Cut 37', rec 37', being  $4\frac{1}{2}$ ' sd: gry, FG, fair friable to tight poro, lt stain, excellent fluor, cut & odor;  $\frac{1}{2}$ ' sd: gry, FG, calc, V tight poro, NS; 30' sd: gry, FG, w/a few sctd sh lamin, tight poro, lt stain, excellent fluor, cut & odor; 2' sd: gry, FG, w/thin shale lamin, tight poro, lt sctd stain, fair sctd fluor, fair cut & odor.  
DIP: Flat dip @ 6096'.

Diamond Core #10 (6099-6113 $\frac{1}{2}$ ). Cut  $14\frac{1}{2}$ ', rec  $14\frac{1}{2}$ ', being 2' sd: gry, fine, tight poro, lt stain, excellent fluor, cut & odor;  $7\frac{1}{2}$ ' sd: dk gry, V shaley, lamin w/stain in lamin, V tight poro, lt sctd stain, trace orange-min lt sctd fluor; poor cut, sctd lt odor; 5' shale: dk gry, V hard, CC, no poro, stain, fluor, cut or odor.

DIP: No recognizable dip.

DST #4 (6012-6116). Open 1 hour 30 minutes. Weak blow of air, increased to strong blow after 1 minute. Recovered 210' free gas in drill pipe plus 40' very sli oc & sli gcm, plus 650' gcm w/trace of oil (appears to be high grav.).

Sample checks - Top 3500 PPM CL, Bottom 4000 PPM CL.

FP 90-275# 15 min. SIP 1410#

Diamond Core #11 (6116-6146). Cut 30', rec. 30', being 1' sd: gry-VF-very silty & shaley to lamin, V tight poro, no stain, fluor, cut or odor; 1' sd: gry-brn-shaley-V cc/vert frac, tight poro, trace bleeding in vert frac, good fluor in frac, good cut & odor; 1' sh: dk gry to brn, no poro, NS; 1' sd: gry, shaley, very dense, silicious w/conchoidal frac, V tight poro, NS; 2' sd: gry, shaley, silty, VF grn, w/6 inch vert frac 6121 $\frac{1}{2}$ ' to 22', V tight poro, sctd bleeding stain, fair to good fluor, good cut & odor; 1' sd: gry, VF, silicious w/conch. frac, V tight poro, NS; 2' sh: dk gry, V silty to shaley w/vert frac, V tight poro, NS; 10' sd: lt gry, VF, silty to sli cc w/10 inch of no show @ 6129-30', tight poro, trace stain, good fluor, lt cut, good odor; 7' sd: gry, VF, V shaley to lamin w/thin sh streaks w/sptd show @