

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: **VEVERKA E#1**
Location: **E/2 E/2 SW Sec. 21 ;Twnsp. 8 s.; Rge. 19 w.**
License Number: **34110** Region: **Rooks County, KS**
Spud Date: **3/6/2014** Drilling Completed: **3/14/2014**
Surface Coordinates: **1320' FSL 2970' FEL**

Bottom Hole
Coordinates:
Ground Elevation (ft): **2030'** K.B. Elevation (ft): **2037'**
Logged Interval (ft): **3600'** To: **3548'** Total Depth (ft): **3575'**
Formation: **Arbuckle**
Type of Drilling Fluid: **Chemical**

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: **TENGASCO, INC.**
Address: **1327 Moose Rd.**
Hays, KS. 67601

GEOLOGIST

Name: **Mike Bair**
Company: **Basin Resources L.L.C.**
Address: **Longmont, CO.**

FORMATION TOPS

FORMATION	LOG TOP	SAMPLE TOP
Anhydrite	1466 (+571)	1471 (+566)
Topeka	2976 (-939)	2981 (-944)
Heebner	3189 (-1152)	3185 (-1148)
Toronto	3200 (-1163)	3208 (-1171)
Lansing	3218 (-1181)	3221 (-1184)
BKC	3433 (-1396)	3439 (-1399)
Arbuckle	3467 (-1430)	3468 (-1431)
TD	3570 (-1533)	3575 (-1538)

DSTs

DST#1 3420-3491 (71') 45-45-45-45
IFP: **Slowly built to 6": ISI: No blow back**
FFP: **Very slowly built to 3": FSI: No blow back**
SIP: **531 - 344 FP: (28-43)(48-53)**
REC: **15' Gsy Oil (80% oil, 20% gas); 60' OCM (15% oil, 85% m)**

DST#2 3493 - 3501 30-30-30-30
IFP: **Weak surf built to 1/4": ISI: No blow back**
FFP: **Very weak surf blow: FSI: No blow back**
SIP: **856 - 438 FP: (24-26)(29-28)**
REC: **10' SOMW (5% oil, 45% mud, 55% water)**








































































Comments

Based DST results and log analysis, the Ververka E#1 was plugged and abandoned at a RTD of 3575'.
























ROCK TYPES

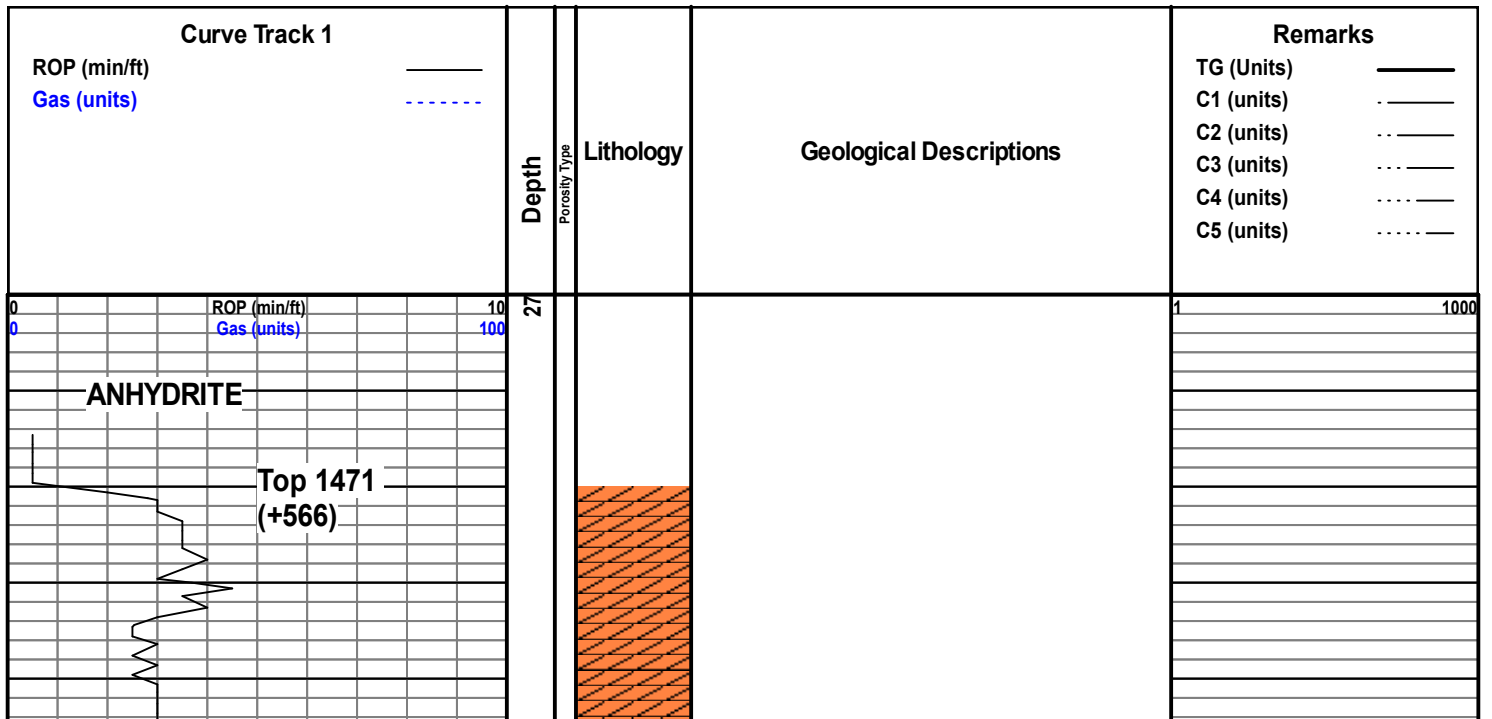
 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

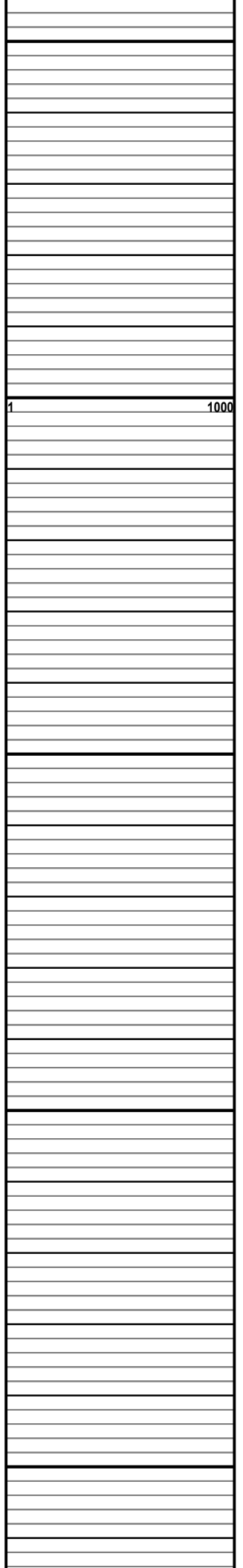
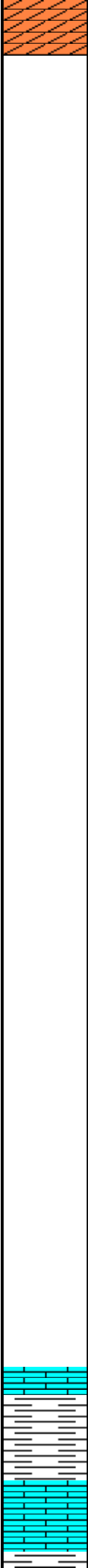
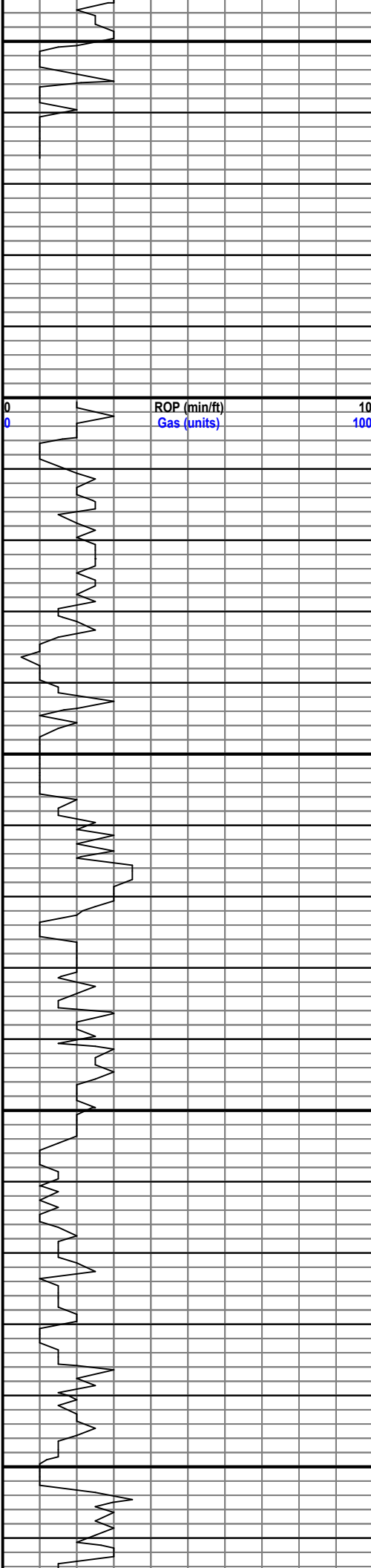
ACCESSORIES

MINERAL	 Gyp	FOSSIL	 Ostra	 Sltstrg
 Anhy	 Hvymin	 Algae	 Pelec	 Ssstrg
 Arggrn	 Kaol	 Amph	 Pellet	TEXTURE
 Arg	 Marl	 Belm	 Pisolite	 Boundst
 Bent	 Minxl	 Bioclst	 Plant	 Chalky
 Bit	 Nodule	 Brach	 Strom	 Cryxln
 Brecfrag	 Phos	 Bryozoa	STRINGER	 Earthy
 Calc	 Pyr	 Cephal	 Anhy	 Finexln
 Carb	 Salt	 Coral	 Arg	 Grainst
 Chtdk	 Sandy	 Crin	 Bent	 Lithogr
 Chtlt	 Silt	 Echin	 Coal	 Microxln
 Dol	 Sil	 Fish	 Dol	 Mudst
 Feldspar	 Sulphur	 Foram	 Gyp	 Packst
 Ferrpel	 Tuff	 Fossil	 Ls	 Wackest
 Ferr		 Gastro	 Mrst	
 Glau		 Oolite		

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted	EVENT
 Earthy		 Rounded	 Ques	 Rft
 Fenest	SORTING	 Subrnd	 Dead	 Sidewall
 Fracture	 Well	 Subang	INTERVAL	
 Inter	 Moderate	 Angular	 Core	
 Moldic	 Poor	OIL SHOW	 Dst	
 Organic		 Even		
 Pinpoint				





**Topeka 2979
(-942)**

ROP (min/ft) 10
Gas (units) 100

3000

3050

3100

3150

abdnt Sh, soft gry

a/a; Ls, tan, foss, ns, n/o

Ls, tan-gry, sl gran, some mot'd, ns, n/o

a/a, cky 3040

Sh, gry-blk; Ls, crm-tan, wkstn, nvp, ns, n/o

Ls, tan, mdstn-pkstn, nvp, ns, n/o

Ls, crm-tan, fxl to foss, ns, n/o

Ls, tan-gran, cky in pt, foss frags, ns, n/o

Sh, blk, Ls, crm-tan, cky, ns, n/o 3100

Sh, blk; Ls, tan-brn, fxl-sl gran, foss, pr vis por;
Chert, op, ns, n/o

Ls, a/a to Ls, tan, pkstn, foss frags, ns, Chert,
a/a; ns, n/o

Ls, wh-crm, ool, nvp, ns, n/o

Ls, a/a to Ls, gry, pell, sn, n/o

Ls, wh to tan, fxl, foss to pkstn, sct'd sh, blk, ns,
n/o 3150

Ls, crm-tan, fxl - wkstn, r pc w poss oil stn, nsfo,
n/o

Chert, blk, brn, sct'd cky Ls, ns, poss v ft od

Ls, crm, f gran, v sl pp por, sl sfo wh bxn, low
rep, r pc w xl growth in sm vy, lt sfo, ft odor 3180

Ls, tan, f gran, pr vis por, r pc Ls, tan, f gran, sl
pp por, spt;d stn, lt sfo, low rep, ft od wh bxn

1 1000

Heebner
3185 (-1148)

SH, BLK 3200 sample

Ls, tan, gry, mdstn-pkstn, sct'd cky, few pc Chert, tan; Slst-v f grn ss, sl fri, argil, ns, n/o

Slst, gry-grn; Ls, crm-flesh, pr vis por, sl ixgran por to spt'd sl pp por, mst tight, spt'd sl sfo, n/o

Ls, crm-tan, fxl to wkstn, ns, n/o

Ls, wh, fxl, sl cky, ns; Ls, tan, fxl-sl gran, pr-sl vis por, spt'd sl sfo, sct'd ck; low rep, n/o

Chert, wh-op; Ls, ofwh, fxl, ool, sl ixool por. lt sfo to Ls, tan, fxl w some xl growth on edge w brn oil stn, sl sfo, low rep, +fr odor 3250

Chert, a/a; Ls, wh, fxl, sl cky, few pc a/a, poss v wk odor

Chert, wh-op; Ls, wh, fx, r pc ool, pr vis por, some cal rexln, few foss frags, ns, n/o 3270

Ls, wh-crm, ns; r pc ool w v sl stn, v sl sfo, v sl por, 1 pc Ls, brn, sl por, v sl sfo, sl od w bxn, v low rep 3270 20

Ls, crm-tan, fxl, ns, n/o 3270 40 min

Ls, wh-brn, fxl, ns, pr vis por, r pc w spt'd lt surf stn, nsfo; sct'd Chert, Sh, blk, gry, grn, n/o

Ls, crm-brn, nvp, sn, n/o; Sh, mrn, grn 3300

Ls, wh-crm, pr vis por, ns, n/o

Ls, crm-tan, fxl, few foss frags, ns, n/o 3315

Ls, crm-tan, ool, pr to L-fr ool por, spt'd to sl sfo wh bxn, low rep, poss v wk odor 3315 40 min

Ls, wh, fxl to v sl gran, sct'd grn-blk sh, Chert, wh-crm

Ls, wh, ool, pr vis por, ns, to r pc Ls, tan, f grn, dolomitic, ns, n/o

Ls, wh-gry, pkstn, motl'd, foss frags, Chert, v.c., ns, n/o; Sh, blk 3360

Chert, op-tan; Ls, crm-tan, ns, n/o

a/a, abdn't chert

Ls, crm, fxl, pr vis por, r pc w foss por, few w stn on edge, low rep, lt odor 3390

a/a to R pc Ls, tan, weathered rind, sm vy w oil in vy to spt'd sat surf stn, v sl pp por, sl sfo, lt odor 3395

Ls, crm-tan, few pc fxl w pp por, sl sfo to r pc w fr sfo wh bxn, r pc foss, pkstn, sl por, spt'd sat'd stn, sl sfo wh bxn; couple pc, Ls, wh, oom, sl oom por, sfo wh bxn. lt od. 3395 60 min

Toronto 3208
(-1171)

Lansing 3221
(-1184)

cfs 20-40-60

cfs 20-40-60

cfs 20-40-60

ROP (min/ft)
Gas (units)

ROP (min/ft)
Gas (units)

3200

3250

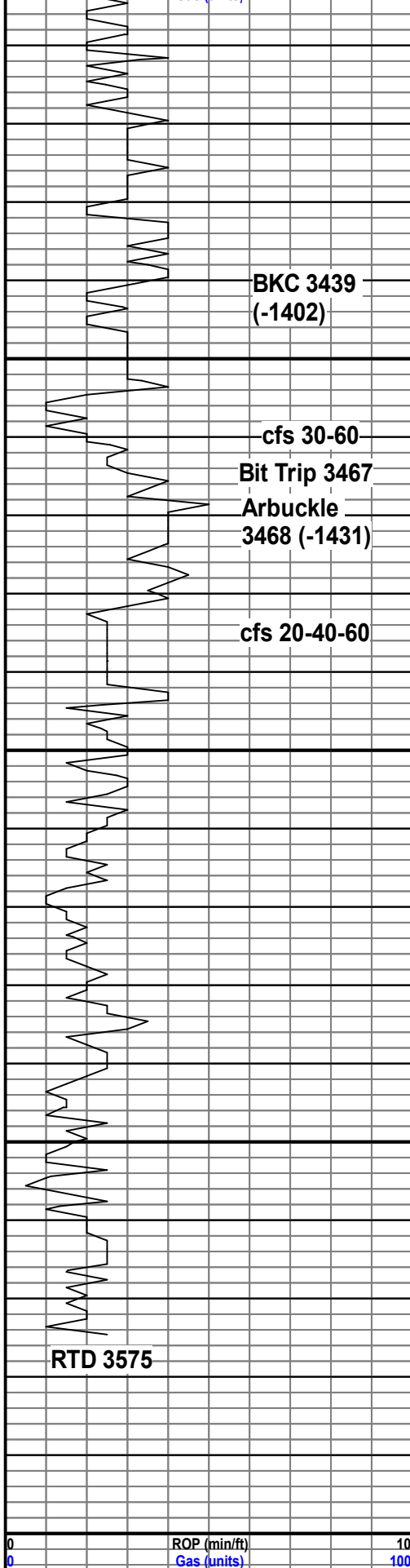
3300

3350

3400

1000

1000



Ls, crm, fxl to sl gran, few pc lt sat'd stn, sl sfo wh bxn, lt odor

Ls, wh-crm, fxl to ool, rew rx fxl w r vg, spt'd surf to spt'd sat'd stn, sl sfo, sl cky, lt odor 3420

Ls, crm, fxl, lx on edge woil stn; Ls, crm, gran, sct'd pp to small vy por, sat'd oil stn. lt sfo. lt odor, fr rep 3440 sample

Ls, tan, foo, ool, cal rexln, sl cky, ns, n/o

Chert, wh-crm, Ls, ofwh, sl pp por, surf stn, v sl sfo wh bxn, low rep; Shale, red, soft 3460 60 min

3467 60 min: Sh, v.c., weather ls, r pc w sl sfo in vg or surf stn; 1 pc Dolo, v fgr, v dse w weathered rind, n/o

Dolo, yell cast, dse, only couple pcs, ns, n/o abd sh, v.c. 3480 sample

Dolo, a/a w red stn, v dse, very low rep, no n/s 3486 sample

Dolo, wh-crm, f to few f-mxl, few sat'd stn on edge w sfo, some xl growth on edge, n/o sl to r L-fr sfo. 3486 20 min.

3491 Dolo, wh-crm, fxl few f-mxl, decr sfo, few w xl on frac edge w hvy oil stn, couple pc Sparry Cal w hvy brn oil on face, decr odor, mst barren

3491 30" dolo, crm-tan, vf-f grn, mst pr vis por, several w spt'd surf stn, r pc w sm vy, oil show in vg; 1 pc Dolo, wh, f-mxl, fr pp por, fr sfo w gs bbls wh bxn, mst barren, poss v sl odor, Sh, mrn

3491 60" No Odor; Dolo, mst f grn pr vis por, few Dolo, wh, f-mxl, tight, spt'y to fr vg por, sl to r gd sfo wh bxn, low rep

3501 Considerable Ss clusters, qtz, rd, fr srt, clr, mst tite; Sh, v.c.; dolo, wh-crm, fxl-f-mxl, surf stn, v sl sfo in few rx, n/o

3501 30 min: Dolo, wh, fxl to mxl, pr vis por to fr vg por, sl ixl por to pp por, mst too tite to break, few bleeding fr sho oil from pp por or frac; couple pcs w xl growth on edge w gd oil stn, v sl odor

3501 60 min: Dolo, wh, fxl few mxl, sl ixl por, r pc sl vg por, decr sho rx, oil sho less lively, n/o

Dolo, wh, f-mxl, pr vis por, mst barren, few w spt'd surf stn, sl sfo, some oil tarry, n/o Sh, mrn-gry

a/a, r pc Dolo, wh, lg xl, surf stn, appears to be dead oil, nsfo, n/o

Dolo, wh-salmon, fxl to cherty, nvp, nsfo; Sh, olive green, n/o

Dolo, f-mxl, wh-yellow cast, sl ixl por, few w dead oil stn, nsfo, n/o

Pipe Strap 3467 board .56 long

3468 (-1431)

DST#1 3420-3491
SIP: 531-344
FP: (28-43)(48-53)
REC: 15' Gsy Oil
65' OCM (15% o)

DST#2 3493-3501
SIP: 856 - 438
FP: (24-26)(29-28)
REC: 10' SOMW
(5% o, 5% m, 55% w)

