

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

Well Name: Veverka B #6
Location: Sec. 28 ;Twnsp. 8 s.; Rge. 19 w.
License Number: 34110
Spud Date: 9-20-2013
Surface Coordinates: 660' FNL 330' FEL
Region: Rooks County, KS
Drilling Completed: 9-26-2013

Bottom Hole
Coordinates:
Ground Elevation (ft): 1998 K.B. Elevation (ft): 2005
Logged Interval (ft): 2700 To: 3537 Total Depth (ft): 3554
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 Noose Rd.
Hays, KS. 67601

GEOLOGIST

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

FORMATION TOPS


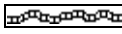
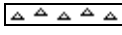
FORMATION	LOG	SAMPLE
Anhy	1422 (+583)	1428 (+577)
Topeka	3953 (-948)	2957 (-952)
Heebner	3158 (-1153)	3163 (-1158)
Toronto	3181 (-1176)	3186 (-1181)
Lansing	3198 (-1193)	3202 (-1197)
BKC	3407 (-1402)	3412 (-1407)
Arbuckle	3429 (-1424)	3433 (-1428)
TD	3537 (-1532)	3547 (-1542)

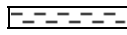



DSTs





Comments

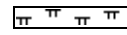

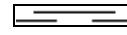
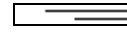
Production casing was ran to further test the economic potential of the Arbuckle formation.

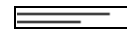



ROCK TYPES

-  Anhy
-  Bent
-  Brec
-  Cht

-  Clyst
-  Coal
-  Congl
-  Dol
















-  Gyp
-  Igne
-  Lmst
-  Meta













-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till
















ACCESSORIES







MINERAL

-  Anhy
-  Arggrn
-  Arg
-  Bent
-  Bit
-  Brecfrag
-  Calc
-  Carb
-  Chtdk
-  Chtlt
-  Dol
-  Feldspar
-  Ferrpel
-  Ferr
-  Glau









-  Gyp
-  Hvymin
-  Kaol
-  Marl
-  Minxl
-  Nodule
-  Phos
-  Pyr
-  Salt
-  Sandy
-  Silt
-  Sil
-  Sulphur
-  Tuff

FOSSIL

-  Algae
-  Amph
-  Belm
-  Bioclst
-  Brach
-  Bryozoa
-  Cephal
-  Coral
-  Crin
-  Echin
-  Fish
-  Foram
-  Fossil
-  Gastro
-  Oolite












-  Ostra
-  Pelec
-  Pellet
-  Pisolite
-  Plant
-  Strom

STRINGER

-  Anhy
-  Arg
-  Bent
-  Coal
-  Dol
-  Gyp
-  Ls
-  Mrst








-  Sltstrg
-  Ssstrg

TEXTURE

-  Boundst
-  Chalky
-  Cryxln
-  Earthy
-  Finexln
-  Grainst
-  Lithogr
-  Microxln
-  Mudst
-  Packst
-  Wackest

OTHER SYMBOLS

POROSITY





-  Earthy
-  Fenest
-  Fracture
-  Inter
-  Moldic
-  Organic
-  Pinpoint

- Vuggy

SORTING

-  Well
-  Moderate
-  Poor

ROUNDING

-  Rounded
-  Subrnd
-  Subang
-  Angular

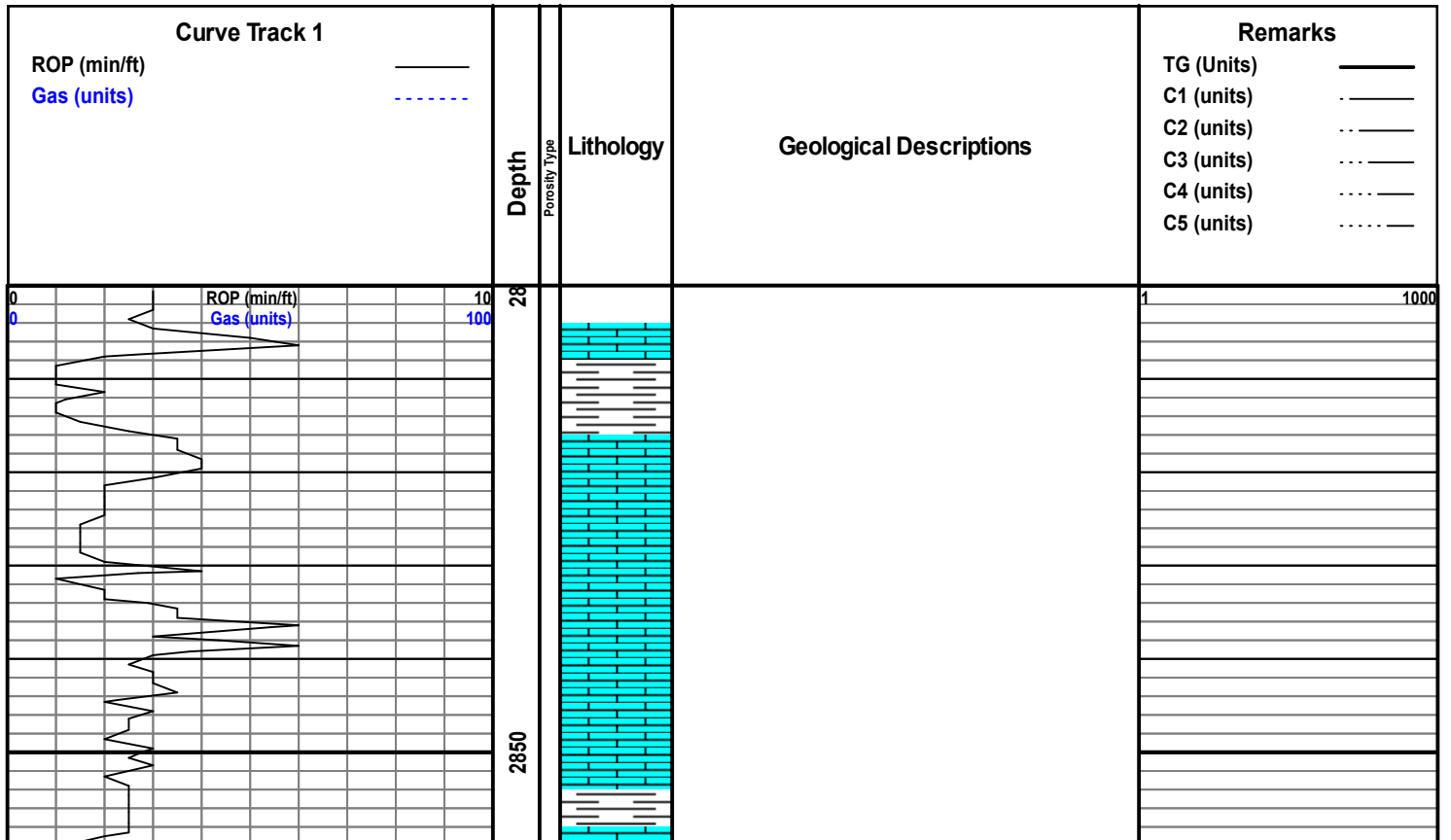
-  Spotted
-  Ques
-  Dead

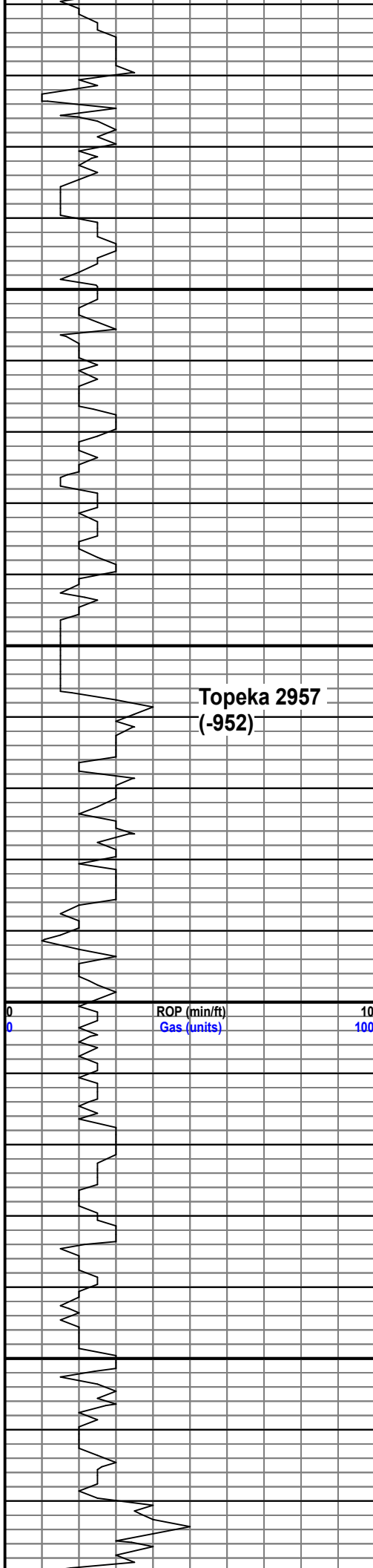
INTERVAL

-  Core
-  Dst

EVENT

-  Rft
-  Sidewall





2900

2950

3000

3050



Sh, gry

Ls, gry-tan, foss frags, fxl to sl gran, ns, n/o

Ls, gry-tan, foss, pr vis por; sct'd Sh, blk

Ls, crm-gry, fsl, sl gran, foss frags, ns, n/o

Ls, crm, sl cky, some sl gran, foss frags, ns, n/o

Sh, gry; Ls, crm, some cky to shly, ns, n/o

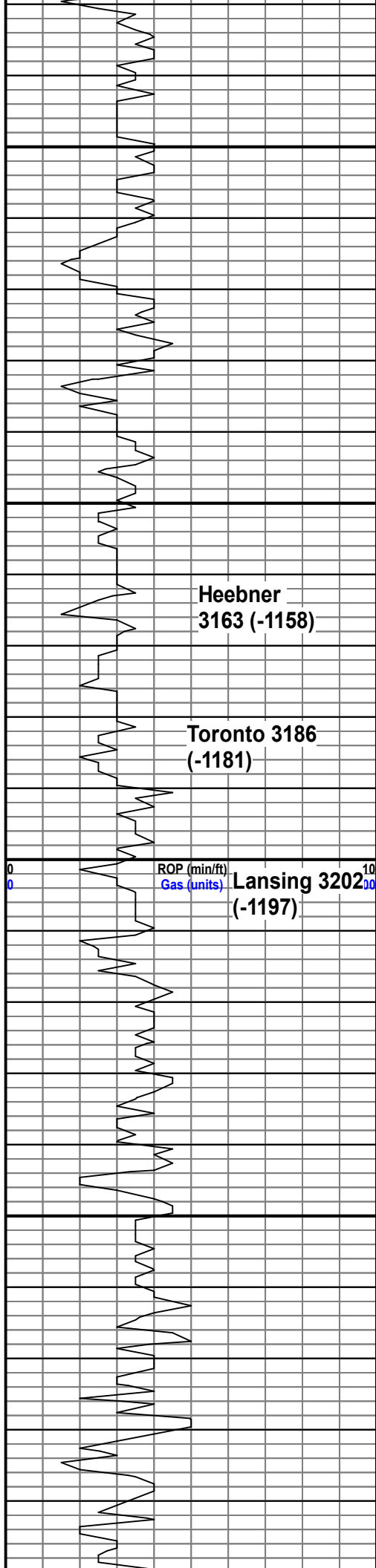
Ls, crm, gran, ns, n/o, Sh, blk

Ls, tan, fxl to motl'd, some cky; sct'd Sh, gry, ns, n/o 3080

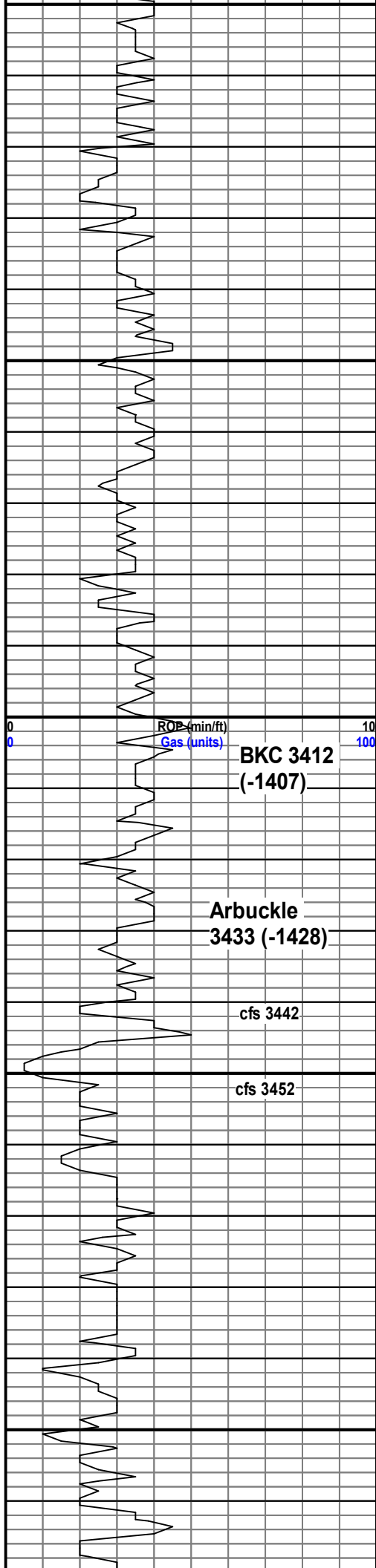
a/a to Ls, crm, gran, ns, n/o

1

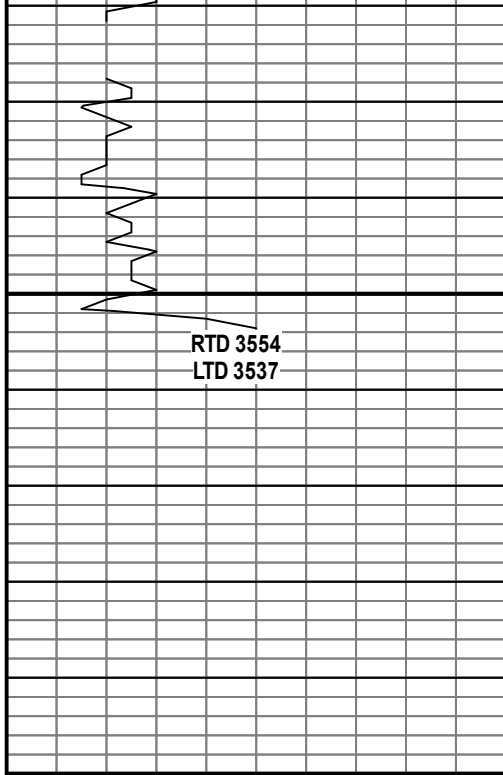
1000



3100	Ls, crm, foss, pkstn, ns, n/o 3100	
	Ls, crm-tan, fxl to Chert, crm, fresh, dse; Slst, gry, argile, ns, n/o	
	Ls, crm, fxl to gran scome Ls, brn, fxl, ns, n/o	
	Chert, tan-brn, few ool to 1 pc Ls, crm, sl vis por, sl-L fr sfo wh bxn, n/o 3140	
	Ls, wh-crm, ool, pr-sl ixool por, spt'd surf stn, sl sfo wh bxn, fr rep. n/o	
3150	Ls, wh, cky to Ls, tan, mdstn, nvp, ns, n/o	
	Sh, bk, platy, sl carb 3180	
	Ls, crm-tan, nvp, sl cky, ns, n/o	
	a/a; Sh, gry-grn, Slst, gry-grn, ns, n/o 3200	
	Ls, wh, fxl to ool, nvp, sct'd cky; few pc Chert, tan-brn, fresh, dse, ns, n/o	
3200	Sh, gry; Ls, wh, cky in pt, few show rx a/a, n/o	1000
	a/a; abundant Chert, bone wh to op	
	Ls, crm-brn, ool, pr-sl ixool por, spt'd surf stn, v sl sfo wh bxn, low rep, wk odor 3260	
3250	Ls, wh, fxl to Ls, brn, ook, pr vis por, ns, n/o	
	Ls, wh, ool, sl ixool por, spt'd surf stn, v sl sfo wh bxn, sl odor wh bxn, low rep; sct'd Chert, tan 3280	
	Ls, wh, some w lt grn cast, fxl to pkstn, ns, n/o	
3300	Ls, wh, fxl to ool, spt'd surf stn, pr ixool por, v sl sfo, few rx w lt live oil stn on edge, n/o 3310	

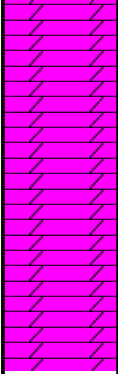


3330	Ls, crm, fxl, pr vis por, ns, n/o	
	a/a, sl cky; sct'd cky, ns, n/o	
	Ls, a/a to Ls, tan, mdstn, ns, n/o, r pc Ls, wh nvp, spt'd surf stn, sl cky, v sl sfo wh bxn	
	Sh, blk; Chert, wh; Ls, crm, ool, pr ixool por, v sl sfo wh bxn, wk odor, v low rep	
3350	Ls, wh, crm, fxl, r pc w pr to sl pp por, sl sfo, low rep	
	Ls, wh, fxl, few pc ool, pr-sl ixool por, spt'd surf stn, sl sfo, n/o	
	Ls, wh, mst fxl, ns; few pcs Ls, wh, fxl, pr vis por, oil stn on edge, poss v wk odor 3380	
	Sh, blk; Ls, crm, fxl, lt surf stn, sl sfo wh bxn, sl pp por to Ls, crm, ool-gran, sl to few fr pp por, spt'd sat'd stn, sl-L fr sfo, v wk odor; r pc w sl oom por 3090	
	a/a to Ls, wh, fxl, ns, n/o	
3400	a/a to Ls, tan, fxl, nvp, ns, n/o	
	Ls, crm-wh, fxl, nvp; 1 pc w oil stn on frac face, xl growth, nsfo, poss v wk odor 3420	
	sh, red; Ls, crm-tan, some weathered, ns, n/o	
	Dolo, crm-tan, f-mxl, sl-few fr ixl por, sl - L fr sfo, lt odor 3443 40-60 min	
3450	Dolo, crm, mxl, fr ixl por, few fr vg por, sat'd stn, fr sfo, fr-gd rep, good odor 3452 20 min	
	Dolo, a/a to mxl, few lg xl, considerable free oil in tray, gd vg por, fr-gd sfo, good odor 3452 40-60 min	
	Dolo, crm, mxl, spt'd sat'd stn, decr in ixl por, decr sfo, incr barren, few rx fr-gd vg por, lt odor 3460	best shows 3452 40 min 3480 drilling
	increase in odor, dolo, mxl fr-gd ixl por, fr-gd sfo in many rx, fr odor, better show than 3460	
	SS, qtz, clr, R, fr srt, sat'd, v gd sfo; Dolo, crm, mxl, fr ixl por, sat'd stn, fr-gd sfo, wk-fr odor 3480	
	Dolo, wh-salmon, spt'd hvy blk oil stn, tarry to gil, mst barren, v wk odor, pr vis por 3490	
3500	Dolo, crm, f-mxl, pr-sl ixl por, hvy tarry oil stn, sl sfo, fr rep, few pcs Chert, wh, n/o 3510	
	Dolo, a/a to ool, oom, gd oom in few rx, mst barren, poss v sl sfo; chert, wh n/o 3520	



3550

00



Dolo, wh-crm, fxl, pr vis por, mst barren, few w hvy tarry stn 3530

a/a w tarry to gil stn; sct'd chert 3540

a/a

Dolo, crm, suc-fmxi, pr vis por, some w sd xls, ns, n/o 3554

GEOLOGRAPH not
kicked in from
3522-3527