7-57

STATE: Kansas	COMPANY: Empire
COUNTY: Sheridan	FARM: Watkins — WELL NO. 1
BLOCK	SURVEY
SEC. 15	
T. 7 — R. 28W	TOTAL DEPTH: 4550
	SE-SE-SW
	COMMENCED
	COMPLETED
	REMARKS: electrolog
ALTITUDE: 2785	
PRODUCTION: D&A	

CASING RECORD

SHOT — QUARTS — BETWEEN

FORM 186 - In stock and for sale by Ross-Martin Co., Tulsa

100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200 — Anhydrite 2493'
2300 — samples start @ 3400'



3400 — g. d.f. f. gran dolo lst
g, f. gran, shaley sy dolo lst
r & g, limey, sli sdy sh
3500
g, d.f. gran dolo lst
r & g, limey, sli sdy sh
3600
g, soft por. fos. dolo. lst
r & g, d.f., fos
"
"
c. g d.f.
3700
g, f. f. fos. sy dolo lst
r & g sli sdy sh
32 Top — r. g. d.f., fos. sy
g, silty micac sh
wh. to g soft, por. fos sli sy lst
r & g sli silty sh
3800
r. g, f. gran. dolo. lst
g. f. g. sub. micac. soft por, friable calc. sst
r & g sli sdy sh.
r. g. d.f., fos — Heebner Sh 3917
dk. g. sh
r. g. f. gran dolo lst
same but sli sy
3900
17 Hb — dk. g. to blk sh
21 — g d.f. d.f
26 — r & g, sl. silty sh
41 Tor — wh. d.f., sy dolo lst — LS 3958
50 — r & g sh.
58 LS — wh. to g. d.f. sli sy. ooc & ooc wh. in part
red, g, & dk. g. sh
r. g. soft, por. fos. sy lst. dolomitic in streaks
4000
wh. to c, d.f., fos
wh. to c, d.f. sl. ooc por.
white g, f-f sy
dk. g. to blk sh
g d.f., d.f. fos
4100
r & g limey sh.
g, f, fos
c, dse
r, g, d.f., fos
79 B/KC — r & g, sdy f. xln. lst
red, g, & dk. g. sh.
c, d.f.
4200
r & g sli silty sh with streaks c-g, dse lst. streaks dk g sh in part
c-g, dse to f. gran thin-bedded lst with wh. & pink sub-translucent sy
4300
red, g, & dk. g. sh.
72 Cher — g, dse c, d.f.
4400
"
r & g limey sh
c-g, d.f. — PBC 4462
v. calc. sh
v. c-g, dse
" 62
v. g, sdy sh with traces v. calc
ML 4492
92 Miss — r. g. dse, sucrosic & red tan dolo. lst with abundant wh. blocky, sm. op to sub op fos. sy
4500 — Total Depth 4550'
3600
3700
15-8-27
3800
3900
4000