

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

Well Name: ALBERS C #1 API# 15-195-22892-00-0
Location: SW SE NW NW Sec. 24 ;Twnsp. 15s.; Rge. 25 w.
License Number: 34110 Region: Trego County, KS
Spud Date: 11/20/2013 Drilling Completed: 11-28-2013
Surface Coordinates: 1065' FNL 865' FWL
Bottom Hole Coordinates:
Ground Elevation (ft): 2515 K.B. Elevation (ft): 2522
Logged Interval (ft): 3600 To: 4626 Total Depth (ft): 4630
Formation: Mississippian
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	SAMPLE	LOG
Anhydrite	1976 (+546)	1974 (+548)
Heebner	3845 (-1323)	3841 (-1319)
Lansing	3884 (-1362)	3881 (-1359)
BKC	4186 (-1664)	4184 (-1662)
Pawnee	4302 (-1780)	4296 (-1774)
Ft. Scott	4373 (-1851)	4373 (-1851)
Chero Shale	4397 (-1875)	4400 (-1878)
Miss Dolo	4471 (-1949)	4469 (-1947)
Gilmore City	4575 (-1953)	4576 (-1954)
TD	4630 (-2108)	4626 (-2104)

DSTs

DST #1 4469 - 4495 45-45-45-45
IFP: 2" blow in 3 min: BOB in 16 min: ISIP: surface blow died in 25 min. FFP: 2" blow in 3 min: BOB in 14 min: FSIP: surface blow died in 25 min.
FP: (25-89)(96-145) SIP: 1130 - 1044
REC: 455' GIP; 110' HOCGM (g=5%, o=20%, m=75%); 110' CGO (g=5%, o=95%)

Comments

Production casing was ran to further test the economic potential of the Mississippian 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

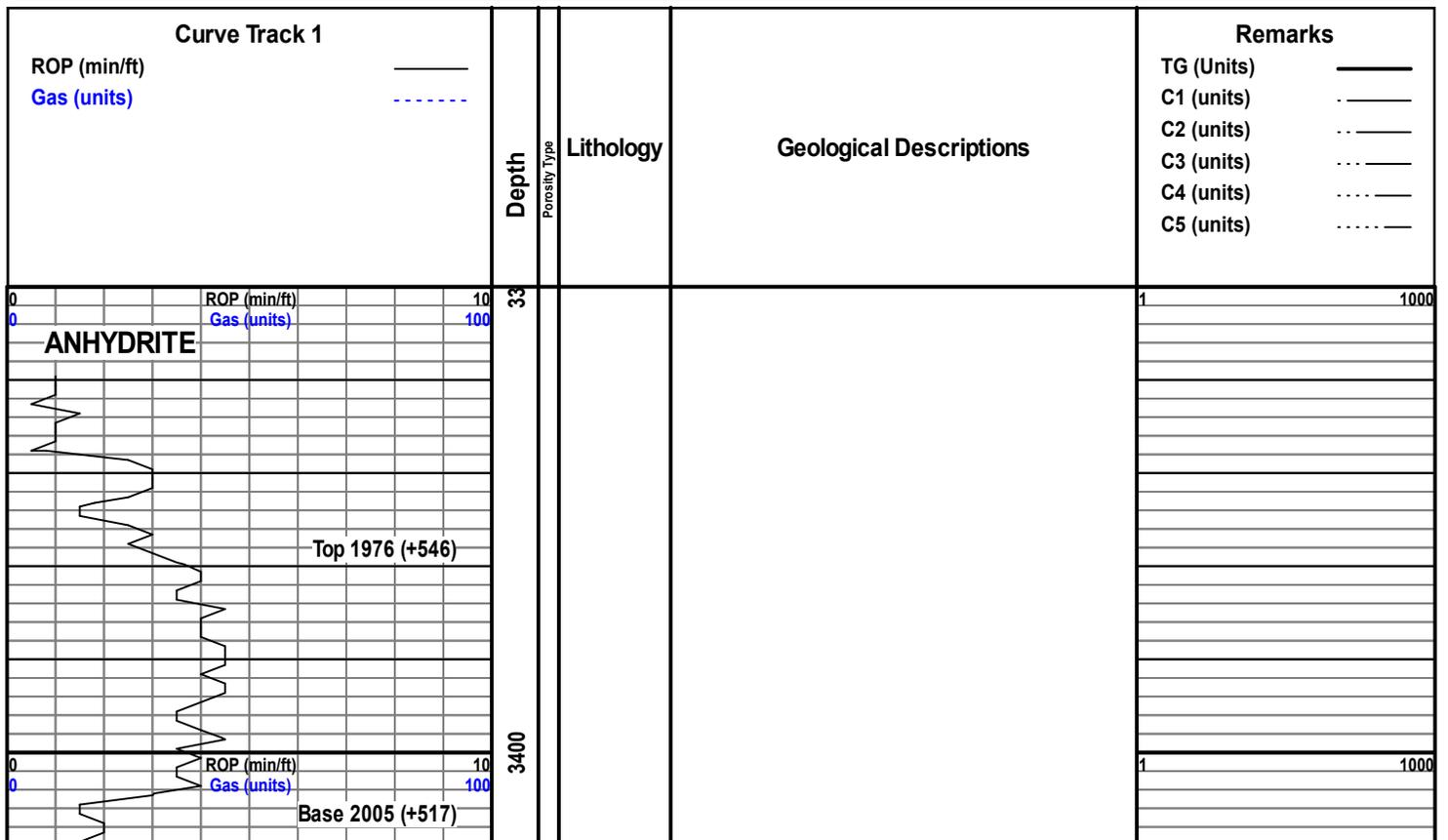
INTERVAL

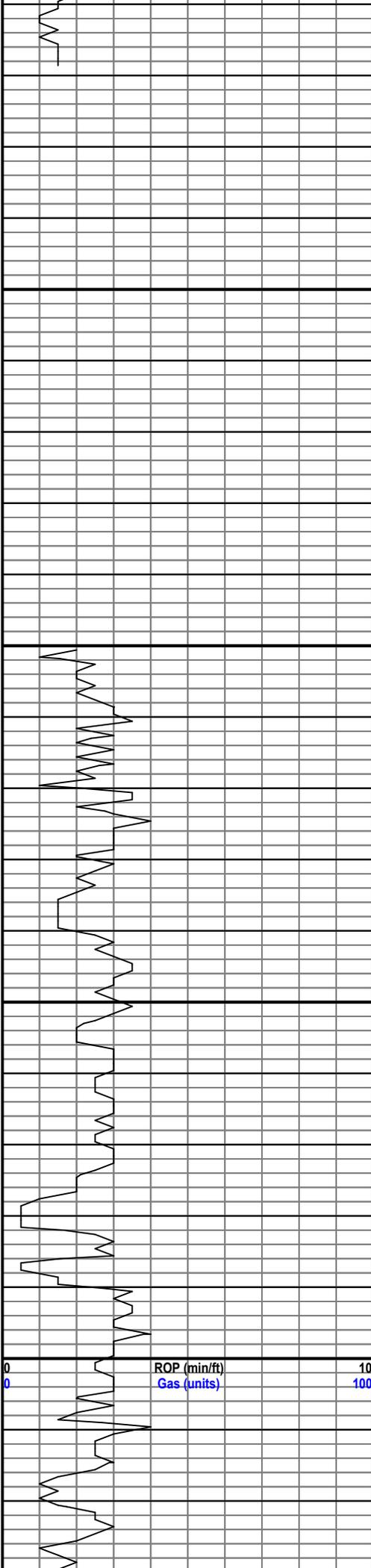
- Core
- Dst

EVENT

- Rft
- Sidewall

- OIL SHOW Even



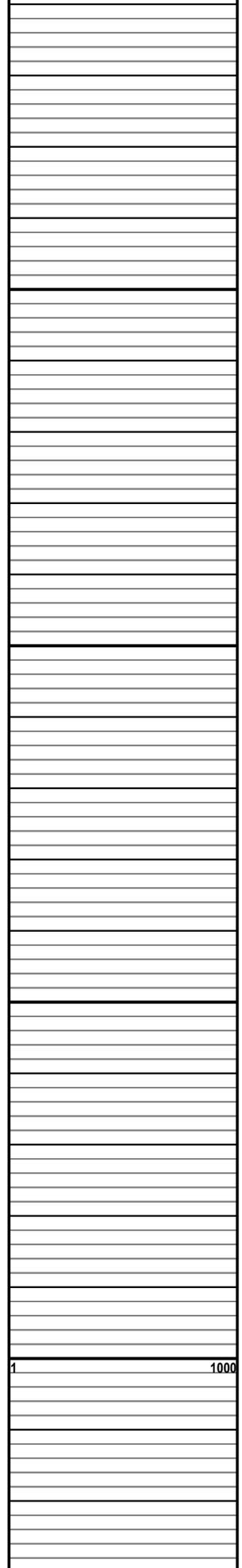


3450

3500

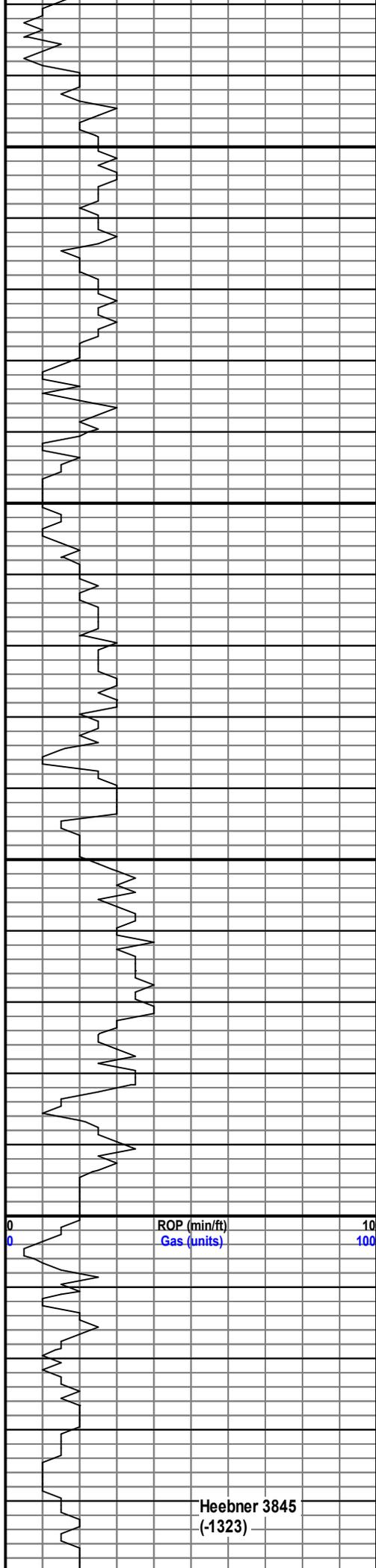
3550

3600



1

1000



3650

3700

3750

3800

3900

ROP (min/ft)

Gas (units)

Heebner 3845
(-1323)



Ls, crm-brn, fxl to gran; Sh, v.c., Chert, tan w foss frags, n/o 3800

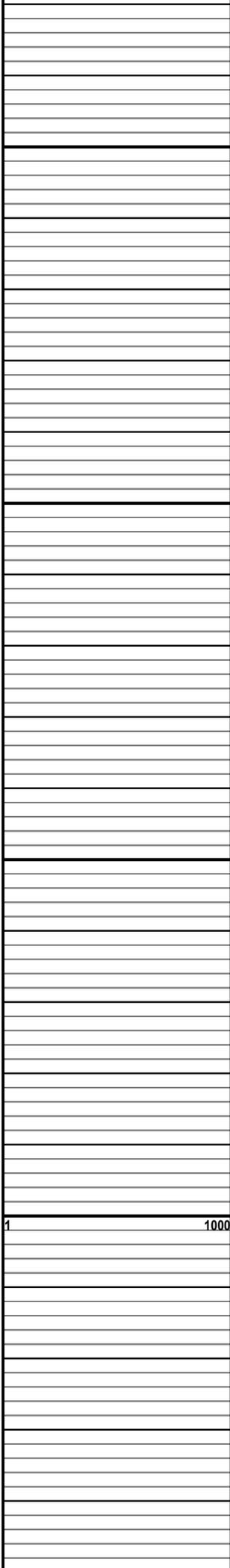
Ls, crm-tan, wkestrn-pkstrn, ns, n/o

Ls, wh-crm, wke-plstrn, cky; Sh, gry-mrn, ns, n/o

Ls, crm, gran w some cal rexln, some ixl por; Sh, blk, cky in pt, ns, n/o

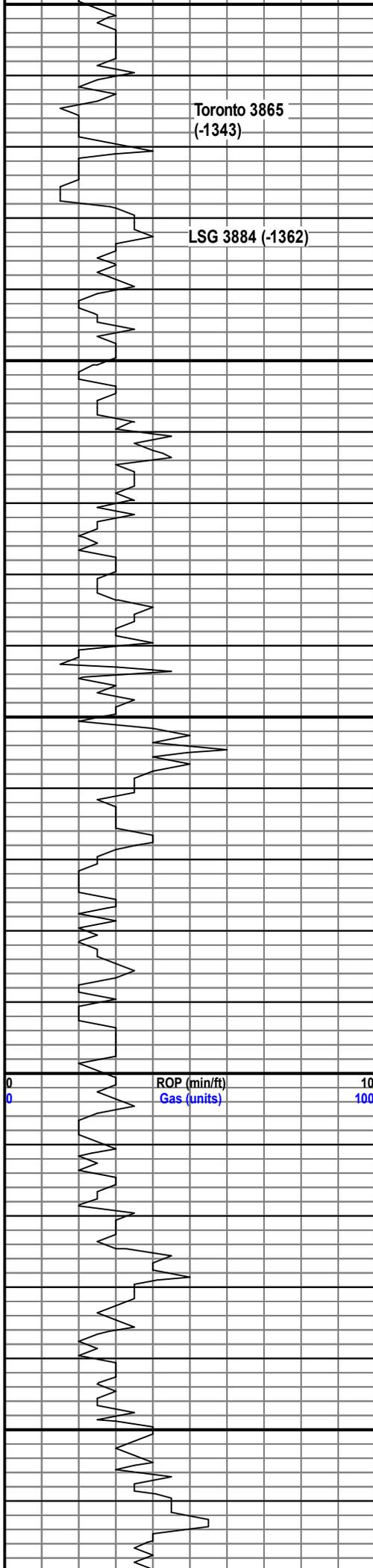
Ls, crm=gry, argil, foss frags, cky, ns, n/o 3850

Sh, blk, platy, carb 3860

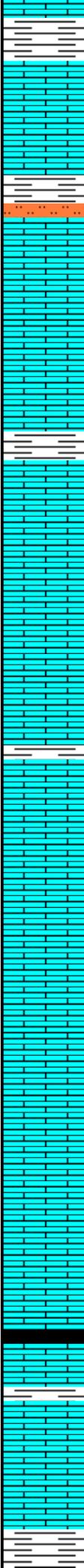


1

1000



3880
3900
3950
4000
4050



Ls, wh-crm, wke-pkstn, some w cal rexln, cky;
Chert, wh-op, fresh, dse, ns, n/o

Ls, crm-brn, fxl to sl gran, few foss frags, ns, n/o;
Sist-sh, grn

Ls, wh-crm, cky, wke-pkstn,; Chert, wh; Sh,
gry-grn-blk, ns, n/o

pr sample: Soft red sh; Ls, wh, ool, pr vis por, ns,
n/o 3900

Ls, wh-tan, ool, pr vis por, cky; Chert, wh

Ls, crm-tan, wkestn-pkstn, micro ool, ns, n/o

Ls, gry, fxl, foss frags, ns; few pc Sh, blk, n/o

Ls, crm-tan, ool, sl ixool por, ns; Chert, wh, fresh,
dse, ns, n/o

Ls, tan, mdstn to sl gran; Ls, wh, ool, mst pr vis
por, sct'd sl ixool por, ns, n/o cky in pt 3950

Chert, op; Ls, crm, fxl-gran, ns, n/o; some cky

Chert, salmon; Ls, crm-fxl to wkestn, few foss
frags, ns, sl cky, n/o

Ls, a/a; Sh, gry, ns, n/o

Ls, crm, fxl to wkestn, few foss frags, sl cky; Sh,
gry-blk, ns, n/o 4000

Ls, crm-tan, fxl to sl gran, some ool, mst pr vis
por, cky, ns, n/o

Ls, wh-crm, gran to ool, few sl oom por, ns;
Chert, tan, foss frags, ns, n/o

Ls, wh-crm, pkstn, poss sl ixl por; Chert, wh-crm,
some Sh, blk

Ls, wh-crm, ool, pr ixool por, r pc sl-fr oom por,
ns, n/o

Ls, crm-brn, fxl to sl gran, foss, pr por; sct'd
Chert, brn, ns, n/o 4050

Ls, wh, fxl-gran, r pc oom, sl oom por, ns, to Ls,
brn, fxl, foss, ns, n/o

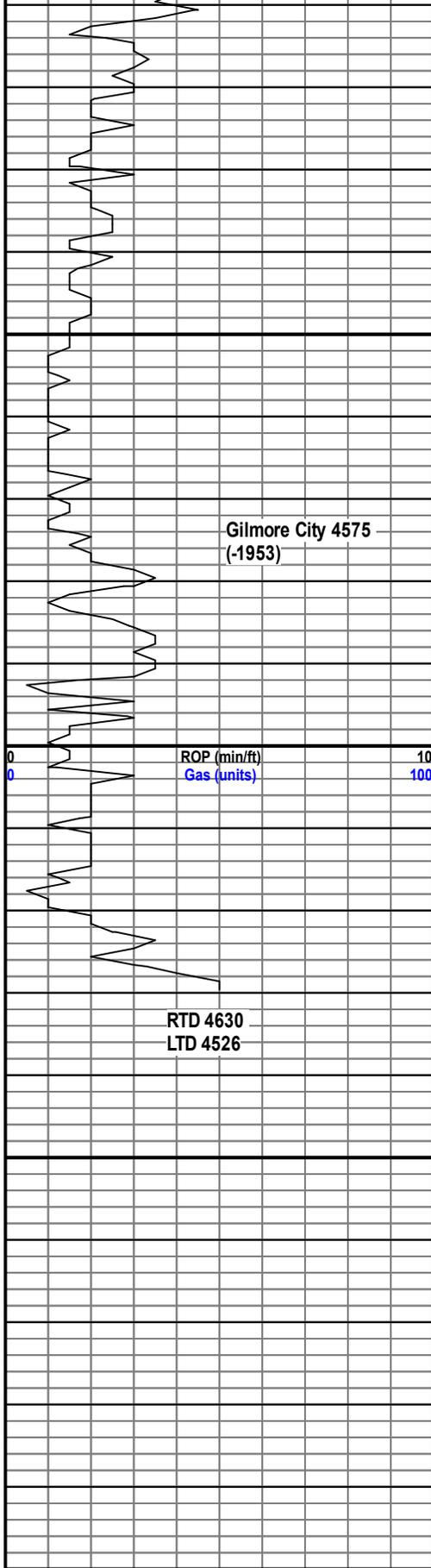
a/a, some mott; Chert, wh-gry, sharp, ns, n/o

Ls, mst crm, fxl, pr vis por; Chert, brn-tan, sharp,
ns, n/o

Ls, crm-tan, ool, r pc oom, pr-v sl por, sl cky, r pc
w cal xl on edge, ns, n/o

MudCo 3916
Vis 57
Wt. 9.1
WL 6.0
Chlr 1500

1 1000



4550

Gilmore City 4575
(-1953)

4600

ROP (min/ft)
Gas (units)

10
100

RTD 4630
LTD 4526

4650

00

r pc, free on in tray.

Dolo, crm, fr-gd odor, sl suc por, sl algal fil por, r pc w cal rexln; r pc chert, yell; sct'd clr qtz some w oil show, 4520

Dolo, a/a, r pc hvy sat'd stn, few w fr pp to vg por, sl sfo, r pc Chert, wh, fr odor 4530

Dolo, a/a incr barren; qtz, clr w brn stn, few pc Chert wh, Sh, gry, wk odor 4540

Strap 1.55' short
DEV 1 deg

1 1000

MudCo 4614
Vis 57
Wt. 9.1
WL 6.0
Chlr 1600

Strap 1.05' short
DEV 1 deg