

WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY

508 East Murdock,

Wichita, Kansas

Company- DEEP ROCK
Farm- Calbeck

No. 11

SEC. 33 T. 26 R. 13W
NW NE NE

Total Depth. 4455
Comm. 10-3-51 Comp. 11-14-51
Shot or Treated.
Contractor.
Issued. 12-29-51

County Pratt
KANSAS



Elevation. 1951 DE

Production. BHB 2572 & 6% wtr.

Figures Indicate Bottom of Formations.

CASING:

13" 215' cem w/400 sxs.
8 5/8" 906' cem w/ 750sxs.
5 1/2" 4455' cem w/250 sxs.

2' above derrick floor.

surface	40	limestone, chert, shale	shale, sand	4348
sand	205	brown	tan, sandy limestone,	
red bed	919	limestone, light cream	dolomitic limestone,	
red bed, shale,		chert	gry shale	4366
shells	1280	limestone brown, strk.	sandy shale, shaly	
shale	1365	brown shale	sand	4370
salt, shale	1520	limestone tan	dolomite, brown	4377
shale, shells	1760	limestone brown, chert,	dolomite tan	
shale, sandy limestone		strk gray-green shale	sand tan	4382
	1970	limestone	limestone brown	4392
sandy limestone	2140	limestone brown	shale gray-green	4397
limestone	2480	limestone, tan to	dolomite, tan,	
limestone, shale	3100	brown, chert, strk.	chert	4402
limestone, strks		gray-brown shale	dolomite tan to	
brown shale, black	3193	limestone brown	brown	4406
shale, trace chert	3216	limestone brown,	dolomite, strk lgt.	
shale	3226	strk gray-brown shale	green shale	4411
limestone, brown	3226	limestone tan	dolomite, tan to	
sand, strks shale	3242	limestone tan to brown,	brown	4414
limestone, shale,		chert	dolomite	4415
gray-green	3261	limestone tan to brn.	dolomite, tan	4419
limestone	3283	limestone	dolomite, strks	
limestone, brown	3300	limestone brown	green shale	4428
limestone	3314	limestone, shale, gray-	dolomite tan	4431
limestone, gray to		green to brown	dolomite, green	
brown	3326	limestone	shale	4436
limestone, tan to		limestone tan, shale	dolomite tan	4439
brown	3334	strks	dolomite, sandy	4448
limestone tan	3356	limestone tan	dolomite, tan	4455 RTD
limestone, brown,		limestone, shale	Total depth	
chert	3374	strks		
limestone, tan	3382	limestone tan, chert,	Tops:	
limestone, gray to		strks gray-green &	Topeka	3216?
cream	3398	brown shale	Heebner	3586
limestone	3404	limestone, brown to red,	Leavenworth	3592
limestone, tan	3411	limestone brown, chert,	Snyderville	3597
limestone, brown,		strk red-brown shale	Toronto	3607
strks shale	3426	chert tan, gray-green	Douglas	3622
limestone	3430	shale	Brown Lansing	3752
limestone, shale,		shale dull green-gray;	Lansing	3777
gray-brown	3454	strks limestone, brown-	Base K. C.	4092?
limestone, brown	3488	gray,	Marmaton	4092
limestone, some brown,		chert, tan to brown,	Mississippi	4181
strks brown shale	3514	chert	Viola	4209
limestone	3524	shale, green, limestone	Lower Viola	
limestone, shale	3586		chert	4252
shale	3592	chert, tan	Simpson	4300
limestone, brown	3597	limestone, blue-gray	Arbuckle	4397
shale, green	3607	sand, green, shale, green		
limestone, tan	3622		Drillers log 0-3100	
shale, green-gray,		sand, brown, strks	Sample log 3100-T. D.	
some sandy	3656	green shale	Porouson electric log.	
sand, green-gray	3690	limestone, strks amber	3226-3242	
shale, some gray-green,		to yellow, dolomite,	Porous on electric log	
sand strks	3752	sandy	3242-3261	
limestone, dark brown		dolomite, limestone	No show 3261-3283	
shale strks	3777	dark brown dolomite	No show 3300-3314	

OVER

Deep Rock
No. 11 Calbeck (continued)
NW NE NE
33-26-13W

possible trace stain 3326-3334
Fair trace stain 3341-3356
Possible trace stain 3374-3382
Trace stain 3390-3398
No show 3404-3411
Possible trace stain & slight odor
3426-3430
Streaks spotted vugular porosity
3454-3488
Spotted pinpoint & vugular por., no
shows 3514-3524
No show 3524-3586
Trace free oil & odor; 3801-3817 DST
Trace stain 3831-3843
Spotted stain 3869-3878
Good stain 3878-3892
No show 3892-3929
Slight show free oil, good stain, no
odor DST 3929-3933
Slight show free oil, no odor; DST
3944-3949
Slight show free oil, good stain
3964-3968
Fair odor; fair to good show free oil
3974-3981
Fair odor & stain 3993-3999
Fair stain 4011-4013
Fair to good stain 4051-4058
Trace dead stain DST 4209-4232
Slight show free oil, no odor; DST
4252-4296
Cored 4300-10
Cored 4310-25; strks sat. in sand
Cored 43255-4333; show oil & odor
Slight odor 4329-4333
Cored 4333-4348
Fair dead stain 4366-4370
Trace stain 4370-4377 & 4377-4382
Possible porous on electric log
4402-4406
Fair odor, good show free oil 4411-44
Possibly porous 4415-4419
Fair show free oil 4428-4431
Fair stain 4436-4439
No odor, spotted stain 4443-4445
Little or no show 4448-4452
Ran Electric log 10-22-51
DRILL STEM TESTS:
(1) Lansing Zone #1 (3802-20)
open 45 min.; rec. 135' gas cut mud;
very slight show of oil, 135' mud,
possible trace gas BHP 300# 15 min.
(2) Lansing zones #6 & #7 3925-50
open 45 mins; very good blow; gas to
surface in 15 min. Rec. 90' slightly
oil cut mud; 210' oil mud and muddy
oil Initial flow pressure #0
Final flow pressure 110# BHP 930#
(15 min.)
(3) Upper Viola Chert (4209-30)
open 45 mins.; very good blow, gas to
surface in 10 min. Rec. 60' gas cut
mud. BHP 1420# 15 min.
(4) Lower Viola Chert: (4252-85)
open 30 mins.; very good blow, gas to
surface in 10 min. Rec. 60' oil cut
mud; 330' oil & muddy oil. Initial
flowing pressure 45# Final flowing
pressure 130# BHP 1400# 15 min.
(5) Simpson: 4295-4333
open 1 hr.; very good blow, gas in 8
min. Rec. 1620' oil & muddy oil, no wtr.

Initial flowing pressure 155# Final
flowing pressure 455# BHP 1330# 15 min.
(6) Arbuckle: 4422-40
Open 1 hr; good blow, gas in 1 hr.
Rec. 390' oil & muddy oil. Initial
flowing pressure 0 Final flowing press.
140# BHP 1100# 15 min.
(7) Arbuckle: 4440-55
Open 1 hr; very good blow, gas in 50
min. Rec. 1380' oil, 600' oil & wtr.
1140' wtr. Initial flowing pressure 155#
Final flowing press. 1330# BHP 1455#
15 min.
All Corcs were in the Simpson
(10 4300-10; rec. 9'
Top 6' hard green glassy sand, rounded,
poorly sorted, quartzitic; strks green
shale
1' alternate thin strks, green shale, &
hard, green to white sand, medium;
trace dark stain in sand.
6" green shale
1' light green sand, shaly, slightly
calcareous, fine to medium
6" sand, brown, medium, poorly sorted,
w/strks white cal. careous sand, w/
small rounded sand grains, sat. in
the brown sand.
6" white calcareous sand to sandy lime-
stone.
5' sand brown, medium to coarse, poorly
sorted, good odor & saturation, a few
thin strks white calcareous sand, some
inter-calation of hard green sand in
bottom part.
(2) 4310-25; rec. 15'
3' sand brown to black, medium, fairly
tight, thin strks. of calcareous sand;
traces of intercalated green shale,
heavy black saturation in sand, good
odor.
3½' alternate strks sand, brown, black,
& green, tight, heavy, black stain in
brown and black sand, good odor. Thin
strks green shale.
6' sand, as above, less green shale,
a few strks of very calcareous white
sand.
2½' light gray, dense limestone,
intercalated with amber to yellow
dolomite, finely xyln, very hard &
tight, sandy throughou; many stylolites;
a few small vugs showing oil.
(3) 4325-33; rec. 6'
3' dolomite & limestone, as above, very
vugular, large irregular vugs bedding
oil; good odor.
3' dark brown very tight olomite, finely
xyln, slight odor.
(4) 4333-48; rec. 14'
3" sand & gray shale; sand coarse, poorly
sorted, intercalated w/gray shale, much
pyrite, fair odor; very little porosity.
8½' gray shale, scattered sand grains
throughout, some pyrite; no odor.
2'3" gray shale, very sandy w/many black,
phosphatic inclusions, trace dead
black oil; no odor.
1' sandy shale or shaly sand, fair odor;
some live black oil, very little
porosity or permeability.
1'10" gray very sandy shale to shaly
sand, much pyrite, and large rounded,
black, phosphatic inclusions, no odor
or show.
2" green shale