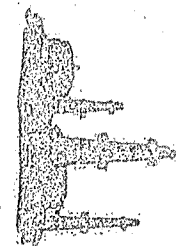


PHIL ASKEY

PETROLEUM GEOLOGIST



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Brito Oil Company, Inc.

LEASE Fairleigh "D" #1-7

FIELD Willcat

LOCATION 945' ESE & 2082' FWL

SEC 7 TWPSP 15 S RGE 32 W

COUNTY Logan STATE Kansas

CONTRACTOR WW Drilling, LLC Log # 2

SPUD 4-26-12 COMP 5-5-12

RTD 4470' LTD 4469'

MUD UP 3378'-3410' TYPE MUD Chemical-Mud-Cr

SAMPLES SAVED FROM 3400'

DRILLING TIME KEPT FROM 2100'-2200'; 3400' TO

SAMPLES EXAMINED FROM 3400' TO RSD

GEOLOGICAL SUPERVISION FROM 3650' TO RMD

GEOLOGIST ON WELL Phil Askey, P.G.

FORMATION TOPS LOG SAMPLES

Anhydrite 2143 +593 2145 -97

Adolmer 3661 -925 3663 +8

Lansing 3698 -962 3699 +8

Shale 3956 -1220 3957 +14

B/KC 4035 -1299 4036 +18

Marmaton 4073 -1337 4074 +19

Pawnee 4166 -1430 4168 +28

Cherokee Shale 4248 -1512 4249 +26

Johnson Zone 4290 -1554 4292 +30

Mississippian 4383 -1647 4384 +103

LR/RH 4469 -1733 4470 93' high

ELEVATIONS

KB 2736'

DF 2731'

CL

Measurements Are All From KB

FROM KB

CASING SURFACE 8 5/8" @ 219' w/ 1605'S

PRODUCTION 5 1/2" @ 4450'

ELECTRICAL SURVEYS Log-Tech

Log-Tech OIL, CULCOC, MICOR

TO RSD

TO RMD

TO RSD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

TO RMD

Reference Well: Brito Oil Co., Fairleigh #1-7

KS License #66

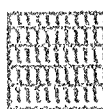
REMARKS

The Brito Oil Company, Inc. Fairleigh 'D' #1-7 ran structurally high to the key Reference well, Brito Oil Co., Fairleigh #1-7 for all formations topped below. Many sample shows were encountered with positive DST results from the (Altamont B+C) + Marmaton.

After review of all DST results and E-log evaluation, it was decided to set 5 1/2" production casing to complete the Johnson Zone and Marmaton.

Phil Askey, P.G. Well API # 15-109-21080

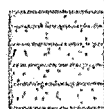
LEGEND



Anhydrite



Salt



Sandstone



Shale



Carb sh



Limestone



Ool. Lims



Chert



Dolomite

SCALE

1" = 100'

DRILLING TIME IN MINUTES

LOG 7709

Rate of Penetration Increases
PER FOOT

5" 10" 15" 20" 25"

GEOTOLOGY

SAMPLE DESCRIPTIONS

REMARKS

DEPTH

2100

Anhydrite 2145 (+591)

E-log 2143 (+593)

50

B/Anky 2167 (+569)

E-log 2164 (+572)

3400

Topeka 3438 (-702)

E-log 3437 (-701)

50

Samples: 10' wet & dry
3400'-RTD good samples
Delivered to K&S Well Library 5/12/12

Rig data:
WOB 38 K RPM 85
SPM 60 PP 800 #

Bit data:
Smith F.27 77/8"
220'-RTD (4470') 91 hr
48'/hr

Dev Surveys:
3/4" @ 219'
1" @ 3800'
3/4" @ RTD (4470')

LS, con. of lth. Hqy. An. of lth.
Ank, to chky, sat. xld. sh., N.S.

sh., red-ed. var. some - red beds
some silty - sandy
to qy - gyp. con. - gran., var.

LS, off-lth. Hqy. H. magy. (gyp. con.)
An. - das, f. lth., to lth., N.S.
to d. sh. (sh.), an. con. lth.

LS, off-lth. qy. An. - das
mic. of f. lth., to f. lth.
sat. xld. sh., to lth., N.S.
much sh., red - red beds gyp. con.
col. var., some silty - sandy
(note: samples improve @ 3430')

LS, Hqy. Hqy., H. magy. Hqy.
off-lth., con. of lth., off-lth.
to chky, sat. xld. sh., to lth., N.S.
sat. xld. sh. to f. lth., N.S.
sh., red bed. an. an. con. to col. var.

3500

50

3600

50

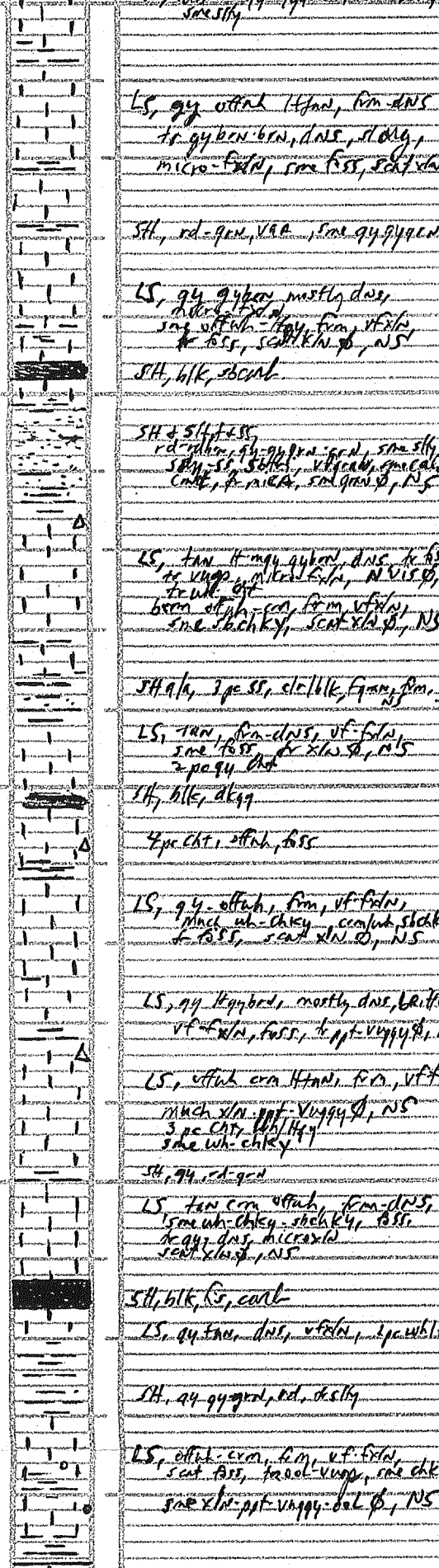
3700

Healden 3663 (-927)

E-log 3661 (-925)

Lansing 3699 (-963)

E-log 3698 (-962)



LS, gy. v. offsh. H. form, firm-dns
is. gy. brn. brn., dns., v. f. sh.,
micro-f. sh., some f. ss., scat. xln. sp., NS

SH, rd. qtz., v. p., some gy. sh. qtz.

LS, gy. sh. mostly dns,
some v. f. sh. - gray, firm, v. f. sh.
to f. ss., scat. xln. sp., NS
SH, blk, carb.

SH + S.H. f. ss.
rd. sh. qtz., v. p., some sh.
S.H. - sh. sh. sh., v. f. sh., some calc.
carb., f. sh. sh., scat. xln. sp., NS

LS, tan. H. mag. sh. brn., dns. to f. sh.
to v. f. sh., micro-f. sh., N. v. f. sh., NS
to wh. sh.
brn. sh. sh. - con. firm v. f. sh.
some sh. sh. sh., scat. xln. sp., NS

SH qtz., 3 pe. ss., sh. blk, firm, firm

LS, tan. firm-dns, v. f. sh.
some f. ss., to xln. sp., NS
2 pe. sh. sh.

SH, blk, dk qtz.

4 pe. ch. sh. sh., f. ss.

LS, gy. offsh., firm, v. f. sh.,
much wh. chky, con. firm, sh. sh.
to f. ss., scat. xln. sp., NS

LS, gy. sh. brn., mostly dns, blk sh.
v. f. sh., f. ss., to ppt. v. f. sh., NS

LS, offsh. con. H. form, firm, v. f. sh.,
much xln. sp. - v. f. sh., NS
3 pe. ch. sh. sh.
some wh. chky

SH, gy. sh. qtz.

LS, tan. con. offsh., firm-dns,
some wh. chky, sh. sh., f. ss.
to qtz. dns, micro-f. sh.
scat. xln. sp., NS

SH, blk, ls, carb.

LS, gy. tan. dns, v. f. sh., 1 pe. wh. sh. out

SH, gy. sh. qtz., rd., sh. sh.

LS, offsh. con. firm, v. f. sh.,
scat. f. ss., tan. sh. sh., some chky,
some xln. sp., to v. f. sh. - blk. sh., NS

LS, tan. con. wh. gy., firm-dns,
v. f. sh., some f. ss., some wh. chky,
some xln. sp., to v. f. sh. - f. sh., NS

LS
con. tan. gy. sh. brn., firm-dns,
v. f. sh., f. ss., some wh. chky, sh. sh.,
scat. xln. sp., to v. f. sh. - f. sh., NS

Pipe Strap @ 3800'

Strap 3820.78'

Board 3820.04'

Pipe long .74' (no corr made)

DSTs: 6 by Trilobite testing

Mud-Co data @ 3588'

WT 8.7 VLS 67 WL 8.0 Solids 2.6%
PH 10.0 CL 3,200 ppm LCM 2th YP 21

©

E-log 4383 (-1647)

4400

50

RTD 4470 (-1734)

LTD 4469 (-1733)

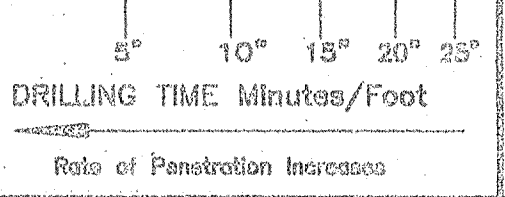


LS, tan. blk. 1/4, dms.
micro. v. xln, f. gran. - sh. y, some
sh. y, mpt. f. gran. - sh. y, some
f. gran. - sh. y, some

LS, homo, blk. - top. 1/4, f. gran.
dms, sh. y, sh. y, blk. - gran. - sh. y?
f. gran. - sh. y, some

LS, cream, wh. blk. sh. y - sh. y,
micro. blk. v. f. gran. - sh. y, some
f. gran. - sh. y, some

(CF) LS, homo, cream blk. top
f. gran. - sh. y, some
sh. y, some



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

COMPANY Brito Oil Company, Inc.
 LEASE Fairleigh 'D' #1-7
 LOCATION 2073' FWL E 945' ASL SEC 7 TWP 15S RNG 32W
 COUNTY Logan STATE Kansas

ELEVATION: 2736' KB