

2nd

77-0

ASSOCIATED GEOLOGICAL CONSULTANTS



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W. Scott Alberg

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR Larilou Energy & Resources, Inc.

LEASE Barrett WELL NO. 1-A

FIELD _____

LOCATION W/2 - SW - NW

SEC. 8 TWSP. 21s RNG. 14 W

COUNTY Stafford STATE Kansas

ELEVATIONS

KB 1940

DF _____

GL _____

MEASUREMENTS ARE ALL

FROM KB

CASING RECORD

SURFACE 8 5/8 set @ 393

cemented w/425 ss.

PRODUCTION _____

ELECTRICAL SURVEYS

None

CONTRACTOR Duke Rig 1

COMM. 5-10-86 COMP. 5-16-86

RTD. 3705 LOG TO _____

SAMPLES SAVED FROM 3100 TO T.D.

DRILLING TIME KEPT FROM 3000 TO T.D.

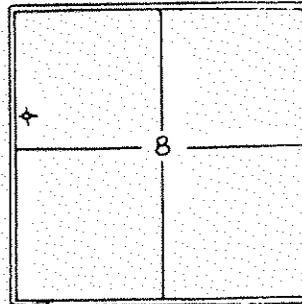
SAMPLES EXAMINED FROM 3000 TO T.D.

GEOLOGICAL SUPERVISION FROM 3000 TO T.D.

MUD UP 2750 TYPE MUD Chemical

WELL SITE GEOLOGIST Richard Harper

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
Anhydrite			877	+1063	
B/Anhydrite			900	+1040	
Heebner			3244	-1304	-1297
Taranto			3262	-1322	-1313
Douglas			3277	-1337	-1329
Brown Lime			3351	-1411	-1405
Lansing			3357	-1417	-1414
Viola			3601	-1661	-1660
Simpson Sh			3632	-1692	-1690
Simpson SS			3650	-1710	-1714
Arbuckle			3687	-1747	-1747



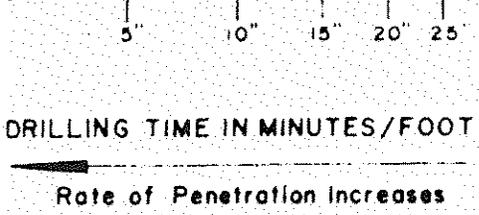
REFERENCE WELL FOR STRUCTURAL COMPARISON Vickers Petroleum Co.
Weber #1 NW-NW-SW Sec 8-21s-14w KB 1939

COPY

RECEIVED
STATE CORPORATION COMMISSION

JUN 30 1986

CONSERVATION DIVISION
Wichita, Kansas

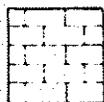
LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES/FOOT 	SAMPLE DESCRIPTIONS	REMARKS
	80			

COMPANY Larilou Energy & Resources, Inc ELEVATION: 1940 KB
 LEASE Barrett 1-A
 LOCATION W/2-SW-NW SEC. 8 TWP. 21S RGE. 14W
 COUNTY Stafford STATE Kansas

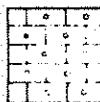
JUL 01 1985
 KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH

LEGEND

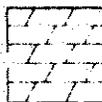
Limestone



Oolitic Limestone



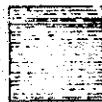
Dolomite



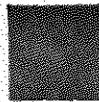
Chert



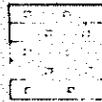
Shale



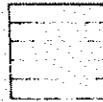
Carbonaceous Shale



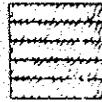
Salt



Sandstone



Anhydrite



77-4

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Increases



5" 10" 15" 20" 25"

SAMPLE DESCRIPTIONS

REMARKS

850

70

90

90

3000

20

Anhydrite
877 (1000)

Base Anhydrite
900 (1000)

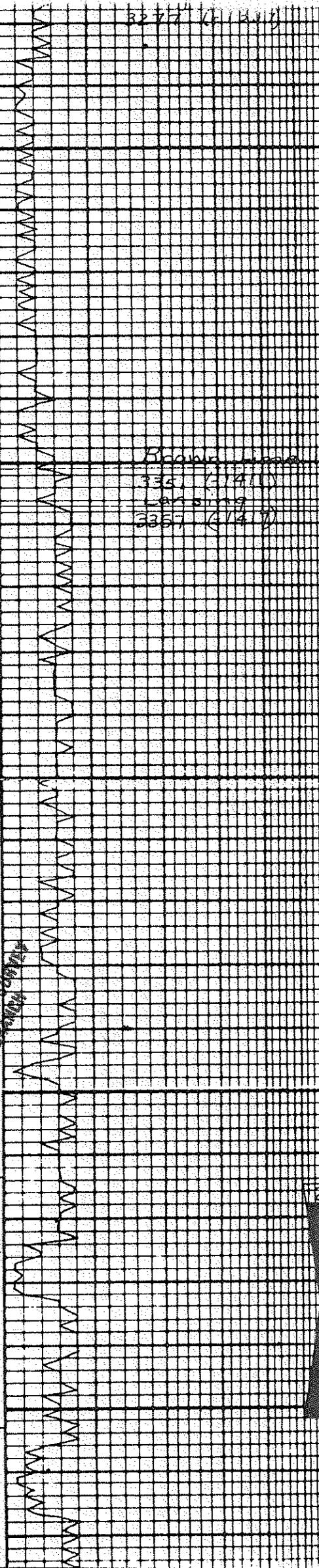
APR 07 1986

MISSOURI GEOLOGICAL SURVEY
WICHITA BRANCH

Vis 43
wt 89



GEOLOGICAL SURVEY
 WICHITA BRANCH



Sh - Gray - green firm sl
foss

Sh - Gray - Lt. Gray

Sh - a/a sl silty

Sh - Lt. Gray sl silty tr
of pyrite

Sh - Gray - Lt. Gray sl
silty N.S

LS - Lt. Brown - Gray - Lt
Gray ftn dense sl
- matt

LS - White ftn - mtn
sl dense w/tr of intercl
+ p.p. or w/sl show of
fine oil when crushed
U faint odor sl fluor
mostly tight tr. of scattered
frag

LS - White ftn chalky sl
foss No shows

Sh - Gray - Green

LS - White - buff sl foss
mostly dense hard ftn
sl foss w/tr of intercla
+ p.p. or no shows or
odor

Sh - Gray

LS - White - Buff ftn dense
hard sl foss No shows
U tight

LS - White - Lt Buff ftn
dense hard No shows

Sh - Gray - Green

LS - White mtn foss fair
intercln p. w fair show
of heavy free oil sl odor
Lt. Brown cut sl fluor
sl trace

LS - Tan - White ftn dense
hard N.S

LS - White - Cream ftn friable
fair oolitic or sl chalky
sl poorly developed No
shows

LS - Buff - Tan ftn dense
hard No visible porosity
No visible shows

Sh - Gray

LS - Buff xln fra fair - good
oolitic or w/Lt Brown
staining in porosity w/ fair
to good show of free oil in
frag + bleeding from kes sl
odor fair fluid + cut

Sh - Gray - Lt gray

LS - White xln sl chalky
dense No shows tight

Sh - Gray soft

LS - White - Lt Buff ftn fra
fair oolitic or 100%
barren No odor or
fluor tr. of black heavy
dead oil staining

Vis 67
Wt 9.1
WL 8.4

Vis 65
Wt 9.2
WL 6.8

Vis 65
Wt 9.1

DST 2 3465-3502
Lansing
Times: 45-45-90-90

IHP	1810
IFP	26-53
ISIP	1103
FFP	122-176
FSIP	1095
FHP	1761

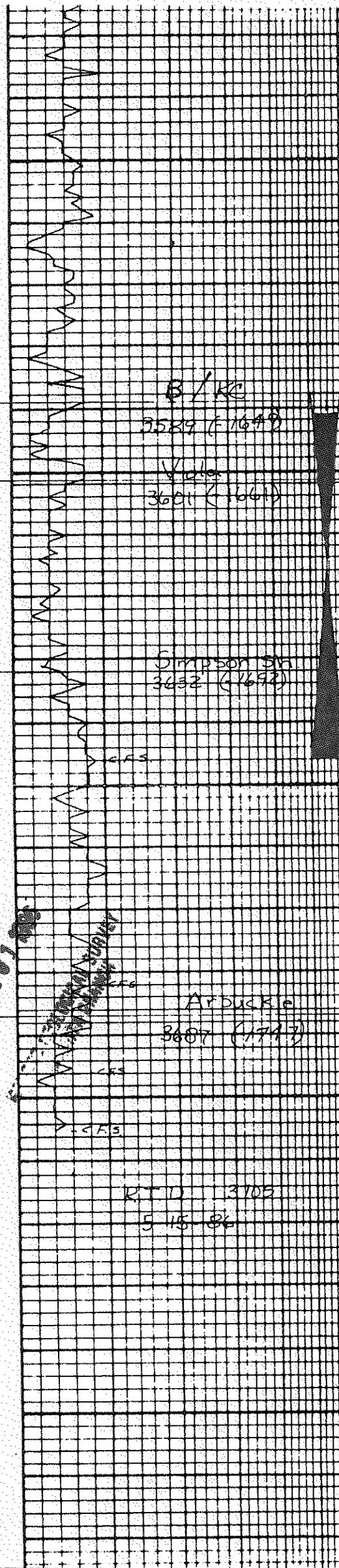
Recovery
440 Water cl 96%

Vis 68
Wt 9.2
WL 7.0

Vis 65
Wt 9.2+

Vis 60
Wt 9.2+

Vis 64
Wt 9.2



White ftn dense hard
N.V.P. No shows sl
Chalky + sl cherty
sh - Gray

LS - Buff - White ftn ftn
chalky cherty
No shows

LS - White - Buff ftn sl Chalky
dense sl ftn No
shows

sh - Gray

LS - Lt Buff - White ftn sl
chalky tr of R.P. + lenticles
tr mostly tight tr of heavy
black oil nearly dead + sl
staining No odor No fluor

sh - Gray - Lt Gray

LS - Buff ftn dense hard
N.V.P. No shows

sh - Gray - Green

Chert - White - Brown - Black
mostly freshly fractured
with fair pp. in weathered
edges along with fair or la
freshly fractured fair show of
oil when broken with oil
+ gas bleeding sl odor sl
fluor

SS - clear silica grains angular
subangular poorly sorted fair
intergranular or some fract.
+ no good shows of free oil + sl
show of gas bleeding from exs

sh Gray - Green Waxy

SS - clear silica grains subround
fria med sized + poorly sorted
clusters sl fluor fair show of
light oil when crushed sl odor sl
tight

sh - Gray - Green Waxy

SS - fria med sized fair sorting
+ no cement No free oil shows
abundant Dead oil show
No odor or fluor

sh - Green - Gray waxy
tr of pyrite

sh - Green Some Gray
Waxy

sh - Green Waxy

Dolo - White - Lt Buff f - main
mostly dense sl friable sl
succ in pt - sl gray No shows
tr of mineral fluor No odor

Dolo - White - Lt Buff f - main
sl succ fria brittle sl
odor fair granular + succ
or No shows

Vis 55
WT 9.4
WL 8.2

Vis 57
WT 9.4
WL 7.6

DST 1 3588 - 3646
Viola

Times 30-30-30-30
IHP 1868
IFP 20-20
ISIP 20
FFP 26-26
FSEP 26
FHP 1790

Recovery
10' Drly Mud

B/KC
3589 (1649)

Viola
3601 (1661)

Dimpson SH
3632 (1672)

ARDUCKIE
3687 (1717)

RTD 3709
5 15 86

SR

