



CONSULTING GEOLOGIST

Geologist's Report
Drilling Time and Sample Log

OPERATOR Quail Oil & Gas, LC ELEVATION KB 1305'

LEASE Rowland WELL NO. #1-18 DF 1296'

FIELD Willicat API No. 15-111-20493 GL 1296'

LOCATION SW NE SE NW --- 700' FNL & 1475' FWL Measurements Are All From KB

SEC. 18 TWP. 18S RGE. 10E COUNTY Lyon STATE Kansas

CONTRACTOR C & G Drilling #2 SURFACE RECORD 23 # @ 124' w/85 Sks

COMM. 01/21/2014 COMP. 01/24/2014 RTD. 2489' LOG TD 2495'

SAMPLES SAVED FROM 1700' TO 1700' TD PRODUCTION _____

DRILLING TIME REPT FROM 1700' TO 1700' TD

SAMPLES EXAMINED FROM 1700' TO 1700' TD

GEOLOGICAL SUPERVISION FROM 1700' TO 1700' TD

MUD UP _____ TYPE MUD _____ CHEMICAL _____

FORMATION LOG DATE/TIME TOP SAMPLE DATE/TIME STRUCT COMB.

Hebner 1114 +191 _____ _____ _____ _____

Lansing	1435	-130	-465
Swope	1775	-470	-465
Cherokee	2077	-772	-770
Squirrel SD	2096	-791	-790
Cattleman SD	2190	-885	-873
Bartsville	2288	-983	-975
Mississippian	2432	-1127	-1119
TD	2495	-1190	-1184

REFERENCE WELL FOR STRUCTURAL POSITION

GEOLOGIST

Name: **David A. Barker**
Company: _____
Address: **212 N. Market, Suite# 320
Wichita, Kansas 67202
(316) 259-4294, 2 Barker@sbcglobal.net**

OPERATOR

Company: **Quail Oil & Gas, LC**
Address: **525 Industrial Dr.
P.O. Box K
Garden City, KS**

Remarks

Due to the lack of reservoir development and oil and gas shows in the target zones, the well was plugged and abandoned.

Contractor

C & G Drilling, INC.
701 E. River ST
Eureka, KS
67045

ACCESSORIES

- | | | |
|-----------------------------------|----------------------------------|-----------------------------------|
| <input type="checkbox"/> Ferrpel | <input type="checkbox"/> Sand | <input type="checkbox"/> Lms |
| <input type="checkbox"/> Ferr | <input type="checkbox"/> Sity | <input type="checkbox"/> Sandylms |
| <input type="checkbox"/> Glau | <input type="checkbox"/> Gyp | <input type="checkbox"/> Sh |
| <input type="checkbox"/> Hymmin | <input type="checkbox"/> Anhy | <input type="checkbox"/> Siltstn |
| <input type="checkbox"/> Kaol | <input type="checkbox"/> Arg | <input type="checkbox"/> Boundst |
| <input type="checkbox"/> Mari | <input type="checkbox"/> Bent | <input type="checkbox"/> Chalky |
| <input type="checkbox"/> Minxl | <input type="checkbox"/> Coal | <input type="checkbox"/> Cryxln |
| <input type="checkbox"/> Nodule | <input type="checkbox"/> Dol | <input type="checkbox"/> Earthy |
| <input type="checkbox"/> Phos | <input type="checkbox"/> Gyp | <input type="checkbox"/> Finexln |
| <input type="checkbox"/> Pyr | <input type="checkbox"/> Ls | <input type="checkbox"/> Grainst |
| <input type="checkbox"/> Salt | <input type="checkbox"/> Mrst | <input type="checkbox"/> Lithogr |
| <input type="checkbox"/> Sandy | <input type="checkbox"/> Sltstrg | <input type="checkbox"/> Microxln |
| <input type="checkbox"/> Silt | <input type="checkbox"/> Ssstrg | <input type="checkbox"/> Mudst |
| <input type="checkbox"/> Sil | <input type="checkbox"/> Carbsh | <input type="checkbox"/> Packst |
| <input type="checkbox"/> Sulphur | <input type="checkbox"/> Clystn | <input type="checkbox"/> Wackest |
| <input type="checkbox"/> Tuff | <input type="checkbox"/> Dol | |
| <input type="checkbox"/> Chlorite | <input type="checkbox"/> Grysh | |
| <input type="checkbox"/> Dol | <input type="checkbox"/> Gryslt | |

OTHER SYMBOLS

- | | | | | |
|-------------------------------|-----------------------------------|---|---|----------------------------------|
| <input type="checkbox"/> Core | <input type="checkbox"/> Fracture | <input type="checkbox"/> Carb shale | <input type="checkbox"/> Brown lmst | <input type="checkbox"/> ROUNDED |
| <input type="checkbox"/> Dst | <input type="checkbox"/> Inter | <input type="checkbox"/> Gray shale | <input type="checkbox"/> Brown shale | <input type="checkbox"/> Rounded |
| <input type="checkbox"/> Conn | <input type="checkbox"/> Moldic | <input type="checkbox"/> Sandy lmst | <input type="checkbox"/> Brown dol | <input type="checkbox"/> Subrnd |
| | <input type="checkbox"/> Organic | <input type="checkbox"/> Shale | <input type="checkbox"/> Brown cream | <input type="checkbox"/> Subang |
| | <input type="checkbox"/> Pinpoint | <input type="checkbox"/> Silt stn | <input type="checkbox"/> D. green lmst | <input type="checkbox"/> Angular |
| | <input type="checkbox"/> Punguy | <input type="checkbox"/> Shaly slst | <input type="checkbox"/> Light cream lmst | |
| | | <input type="checkbox"/> Sity shale | <input type="checkbox"/> Gray cream lmst | |
| | | <input type="checkbox"/> Blank | <input type="checkbox"/> Green dol | |
| | | <input type="checkbox"/> Gray lmst | <input type="checkbox"/> Gray dol | |
| | | <input type="checkbox"/> Cream lmst | | |
| | | <input type="checkbox"/> Red shale | | |
| | | <input type="checkbox"/> Blue-green siltstn | | |
| | | <input type="checkbox"/> D. green shale | | |
| | | <input type="checkbox"/> Green shale | | |

ROCK TYPES

- | | | | | |
|--------------------------------|-------------------------------------|---|---|---|
| <input type="checkbox"/> Anhy | <input type="checkbox"/> Carb shale | <input type="checkbox"/> Sity shale | <input type="checkbox"/> D. green shale | <input type="checkbox"/> D. green lmst |
| <input type="checkbox"/> Cht | <input type="checkbox"/> Gray shale | <input type="checkbox"/> Blank | <input type="checkbox"/> Green shale | <input type="checkbox"/> Light cream lmst |
| <input type="checkbox"/> Congl | <input type="checkbox"/> Sandy lmst | <input type="checkbox"/> Gray lmst | <input type="checkbox"/> Brown lmst | <input type="checkbox"/> Gray cream lmst |
| <input type="checkbox"/> Shale | <input type="checkbox"/> Shale | <input type="checkbox"/> Cream lmst | <input type="checkbox"/> Brown shale | <input type="checkbox"/> Green dol |
| <input type="checkbox"/> Shgy | <input type="checkbox"/> Silt stn | <input type="checkbox"/> Red shale | <input type="checkbox"/> Brown dol | <input type="checkbox"/> Gray dol |
| <input type="checkbox"/> Ss | <input type="checkbox"/> Shaly slst | <input type="checkbox"/> Blue-green siltstn | <input type="checkbox"/> Brown cream | |

