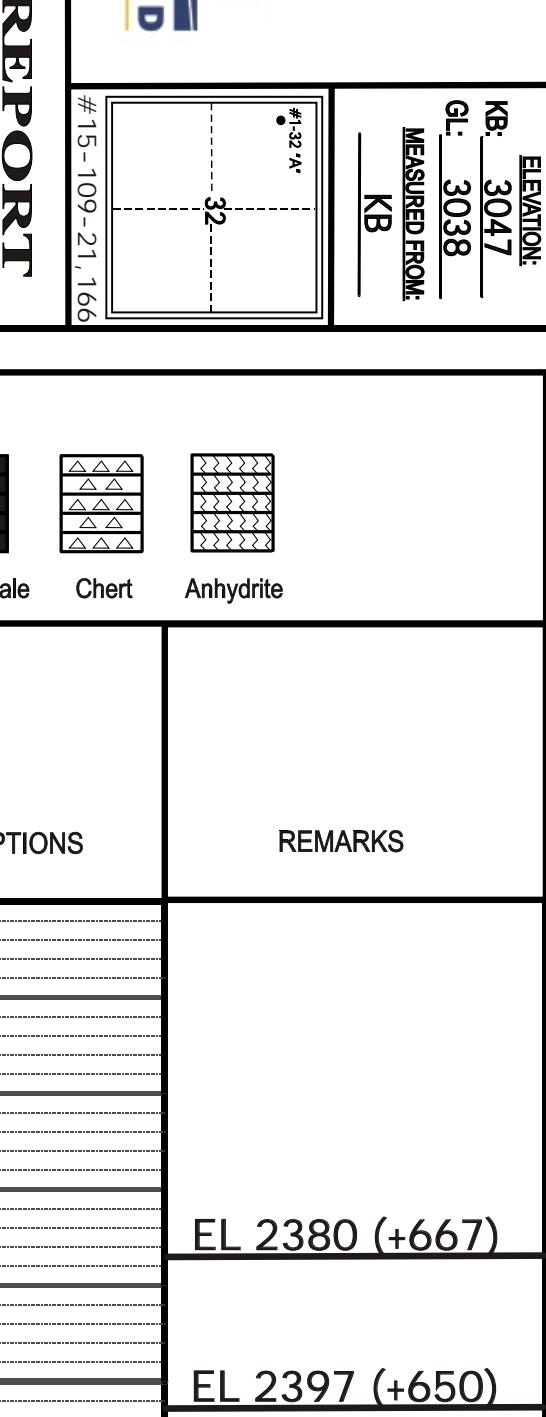


KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



OIL, INCORPORATED
Exploration & Production
DRILLING TIME AND SAMPLE LOG
#4-15-10-21-156
KB: 3047
GL: 3038
MEASURED FROM:
KB

ELEVATION: 1047'

DEPTH: 32'

SECTION: 32'

WELL: 32'

FORMATION: 32'

LOG: 32'

DATUM: 32'

API: 2426 W/445 SX

PRODUCTION: 5 1/2" set

RTD: 4722 W/150 SX

BT: 2426 W/445 SX

DRILLING TIME: 34W

SAMPLE LOG: 34W

STATE: Kansas

COUNTY: Logan

TWP: 15S

SEC: 32

RNG: 34W

LEASE: Edwards Trust "A" WELL NO. #1-32

OPERATOR: Russell Oil, Inc.

API: 15-109-21,166 FIELD: Wildcat

LOCATION: 780'FN & 400'FW

STATE: Kansas

COUNTY: Logan

SECTION: 32

TWP: 15S

SEC: 32

RNG: 34W

DEPTH: 4415'-4368'

FORMATION: Pawnee

LITHOLOGY: Limestone

LOG: 4415'-4368'

DATE: 4/31/16

SURVEYS: Pioneer Energy Services

Dial Compensated Porosity

Micログ Compensated Sonic

Borehole Compensated Sonic

ELEVATION: KB 3047

SECTION: 32

TWP: 15S

SEC: 32

RNG: 34W

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COUNTY: Logan

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TWP: 15S

SEC: 32

RNG: 34W

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FORMATION: Pawnee

LITHOLOGY: Limestone

LOG: 4400'-4368'

DATE: 4/31/16

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