

COMPANY: Mikal Oil LLC  
 WELL: Lytle/Koster #1-3S  
 FIELD: Krueger  
 LOCATION: I16' Fm & 42S' Fm

PRODUCTION: DPA  
 ELEVATION: KB 2054  
 DF: 2016  
 GL: 2016

SEC.: 35 TWP.: 10S RGE.: 10W  
 COUNTY: Rooks  
 STATE: Kansas

OPERATOR: Mikal Oil LLC  
 CONTRACTOR: Discovary Drilling, Rig #4  
 COMD.: 4-20-13  
 COMP.: 4-20-13  
 CASING RECORD  
 SURF: 8 1/2" @ 225' PROD: None  
 TOTAL DEPTH DRILLERS: 3451'  
 TOTAL DEPTH LOG: 3451'

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA POSITION	STRUCTURAL POSITION
Tag Anhydrite base Anhydrite	1225	1217	4837	NA
	1251	1251	4803	NA
Tapeeka	2960	2964	-902	NA
Hebner	3195	3191	-1137	+H
Tapeeka	3216	3212	-1154	NA
LKC	3241	3237	-1183	+H
Arbuckle	3408	3407	-1513	NA
	3408	3405	-1561	118

FORMATION TOPS AND STRUCTURAL POSITION

REFERENCE WELL FOR STRUCTURE: Don E. Proff  
 Koster #1  
 SURF: 5-15-54  
 SEC.: 24-10S-10W

DRILL STEM TESTS

No.	Interval	IFT/Time	ISP/Time	FFP/Time	ESP/Time	HP/Time	RECOVERY

REMARKS AND RECOMMENDATIONS: Due to structural position DST recovery & log evaluation, it was decided to plug & abandon this well.

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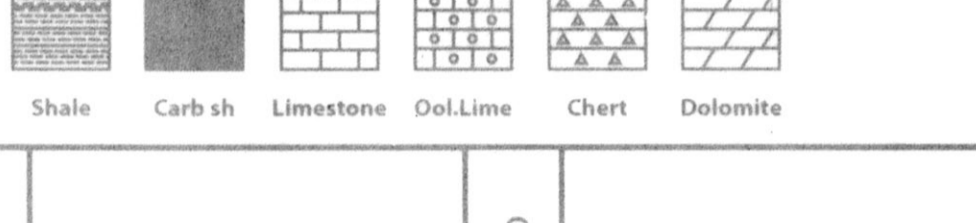
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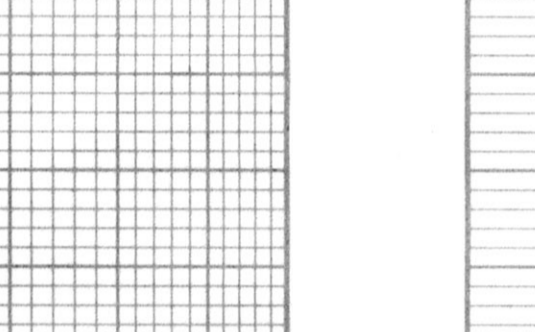
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LEGEND



DRILLING TIME IN MINUTES PER FOOT  
 Rate of Penetration Decreases



DEPTH

2850

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

LITHOLOGY

SAMPLE DESCRIPTIONS

Sh: gry

LS: tan - brn w/ gry, v. fin xln w/ log foss. All pres & dms, NS.

Sh: gry

LS: wht, fin xln, subch. chky, NS, No Od.

Sh: drk gry

LS: wht, fin xln, pres & dms.

LS: wht, fin und xln, sub xln - chky, 1-2 ex w/ brn str in fr intxch, NSFO, No Od.

LS: tan, und xln, scat foss. Ting mtd & sltly chky. Scat ex w/ spth str, NSFO, No Od.

Sh: Black Carb

Sh: gry

LS: wht, v. fin mic xln, sub xln - chky, ting pres & dms, NS.

LS: AIA, 1-2 ex w/ spth sfo in pres, No Od.

LS: wht, v. fin xln, pres, chky in prt, NS.

Sh: gry w/ brn

LS: wht - tan, fin und xln, pres, dms

Sh: Black Carb

LS: wht - lt tan, fin und xln, scat foss. Mostly pres, subxln in prt, All NS, No Od.

Sh: gry

LS: wht, fin xln, mostly subxln - chky, 1-2 ex w/ lt brn str, NSFO, No Od.

LS: wht, tan, v. fin xln, pres & dms

LS: Same AIA, ting und xln + mtd. pres, NS.

Sh: Black Carb

Sh: gry

LS: wht, fin xln, fine foss. subxln, sltly mtd. 1-2 ex w/ pr resid str, NSFO, No Od.

Sh: gry

LS: tan - wht, fin xln, dms, pres

Sh: gry

LS: wht, fin und xln, pres, subxln imp. 1-2 ex w/ brn str, NSFO, No Od.

Sh: drk gry

LS: tan, fin und xln, fr intxch w/ smt vngs. Fr: gd brn cat str, spth sfo, lt Od.

Sh: drk gry

LS: wht, fin xln, pres & dms.

Sh: drk gry

LS: tan, fin und xln, pres, dms.

Sh: gry

LS: wht, fin xln, mostly chky, scat pr brn str, NSFO, No Od.

Sh: gry

LS: wht - lt tan, cat. gd oacc, gd brn cat w/ gd sfo, sltly pres, gd Od.

LS: wht - lt tan, fr oacc, fr str w/ fr sfo w/ brn brkcom. lt - fr Od.

LS: Ting fin xln & dms, NS.

Sh: Black Carb

Sh: gry

LS: wht - lt tan, fin xln, mostly pres, subxln. 1-2 ex w/ brn str, rare sfo, lt Od.

Sh: gry

LS: wht, fin xln, subxln - chky, 1-2 ex w/ pres. lt tan resid str, NSFO, No Od.

Sh: gry

LS: tan - wht, fine pres, dms, spth str, NSFO, fin Od.

Sh: Black Carb

Sh: gry

LS: tan, und xln w/ smt foss. Scat pres & smt vngs, mostly fine. Fr brn str, spth sfo, lt Od.

Sh: Black Carb

LS: wht, fin xln, subxln. Rest pres & dms, scat str, NSFO, No Od.

Sh: gry - lt gry

LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

Mostly brn sh, scat tanrg. 2-3 v. fine ss clust, fin grain, w/ smt. Fr: well sort. w/ smt. sltly dng, NS, No ad. fr and tan, org, plant cat.

Dals: wht - tan, md succ xln, scat md rhombo. Mostly wht, scat gd vngs. Rare lt brn str, NSFO, No Od. Much multicat cat.

Dals: wht - tan, md succ xln. Scat vngs. Totally barren. Some chky ex, No Od.

Sh: gry

LS: wht, fin xln, subxln. Rest pres & dms, scat str, NSFO, No Od.

Sh: gry - lt gry

LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

Mostly brn sh, scat tanrg. 2-3 v. fine ss clust, fin grain, w/ smt. Fr: well sort. w/ smt. sltly dng, NS, No ad. fr and tan, org, plant cat.

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Dals: wht - tan, md succ xln. Scat vngs. Totally barren. Some chky ex, No Od.

Sh: gry

LS: wht, fin xln, subxln. Rest pres & dms, scat str, NSFO, No Od.

Sh: gry - lt gry

LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

Mostly brn sh, scat tanrg. 2-3 v. fine ss clust, fin grain, w/ smt. Fr: well sort. w/ smt. sltly dng, NS, No ad. fr and tan, org, plant cat.

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LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

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LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

Mostly brn sh, scat tanrg. 2-3 v. fine ss clust, fin grain, w/ smt. Fr: well sort. w/ smt. sltly dng, NS, No ad. fr and tan, org, plant cat.

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Dals: wht - tan, md succ xln. Scat vngs. Totally barren. Some chky ex, No Od.

Sh: gry

LS: wht, fin xln, subxln. Rest pres & dms, scat str, NSFO, No Od.

Sh: gry - lt gry

LS: tan, fin und xln, pres & dms, NS.

Sh: gry

Scat wht LS, subxln. org f tan cat, scat gry

Sh: All NS.

Sh: gry

LS: wht, fin xln, dms. Frant gry shp cat.

Sh: brn

LS: wht, top col. No vngs, scat chky ex.

Sh: brn

Sh: brn w/ gry

Mostly brn sh, scat tanrg. 2-3 v. fine ss clust, fin grain, w/ smt. Fr: well sort. w/ smt. sltly dng, NS, No ad. fr and tan, org, plant cat.

Dals: wht - tan, md succ xln, scat md rhombo. Mostly wht, scat gd vngs. Rare lt brn str, NSFO, No Od. Much multicat cat