

1137916

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
Name Top Datum

CASING RECORD ☐ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

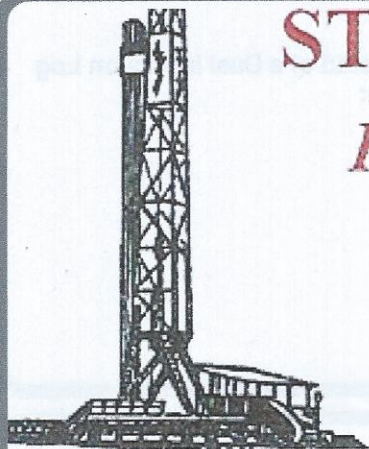
ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

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RR#1, Box 69

Otis, Kansas 67565

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**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: Deines #3

Location: Russell County

License Number: API #15-167-23835-00-00

Spud Date: 11/16/2012

Surface Coordinates: 437' FNL & 1148' FEL (SW NW NE NE)

Section 36-T15S-R14W

Bottom Hole Coordinates: Same as above (vertical well w/minimal deviation)

Ground Elevation (ft): 1860'

Logged Interval (ft): 2700'

Formation: Topeka thru Arbuckle

Type of Drilling Fluid: Chemical

Region: Kansas

Drilling Completed: 11/22/2012

K.B. Elevation (ft): 1872'

Total Depth (ft): RTD - 3304'

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Michaelis, Roger dba Aleo Oil Company

**Address: 5907 Broadway
Great Bend, KS 67530**

GEOLOGIST

Name: Steven P. Murphy, PG

Company: Consulting Petroleum Geologist

**Address: 3365 CR 390
Otis, KS 67565**

LogTops (Datum)

The open-hole logging was performed by The Perforators (Hays, KS shop), and consisted of a Dual Induction Log & Compensated Neutron-Density Log. The following are formation tops from the logs:

Anhydrite Top 844 (+1028)
Anhydrite Base 872 (+1000)
Topeka 2760 (-888)
Heebner 2990 (-1118)
Toronto 3006 (-1134)
Douglas 3022 (-1150)
Lansing 3058 (-1186)
Arbuckle (Not visible on log)

DSTs

Drillstem testing was performed by Trilobite Testing (Hays, KS shop). The following are the results of DST #1:

DST #1 3290-3304 (Arbuckle)
15:45:15:60
IF: BOB 1 min, surface return
FF: BOB in min, built to 1"
Recovery: 307' GIP, 257' Gsy Oil, 378' GMCOW (40%G, 25%O, 30%W, 5%M), 378' OCMW (5%O, 85%W, 10%M), 472' MCW (95%W, 5%M)
IHP: 1582 FHP: 1509
IFP: 128-401 ISIP: 1099
FFP: 428-630 FSIP: 1101
Oil Gravity - 39
Chlorides - 27,500 ppm
BHT - 104 F

COMMENTS


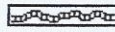
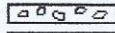

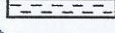
Based on the results of DST #1, it was recommended that 5-1/2" casing be run to produce the Arbuckle.

Prior to abandonment, the LKC "C" (3092-3096) and LKC "J" (3241-3244) should be perforated and tested.

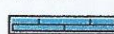

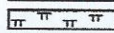

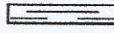
Respectfully submitted,


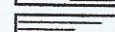



Steven P. Murphy, PG
Consulting Petroleum Geologist

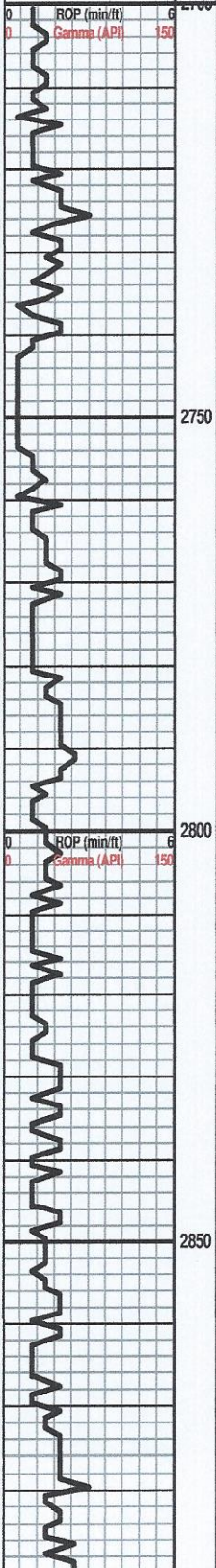
ROCK TYPES

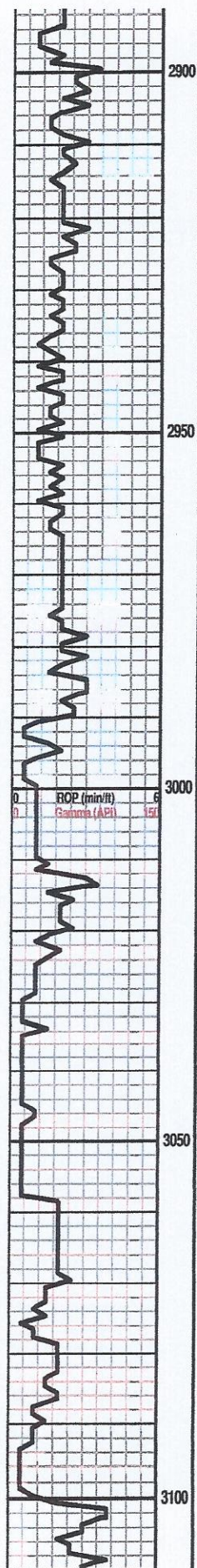
 Anhy
 Bent
 Brec
 Cht
 Cyst

 Coal
 Congl
 Dol
 Gyp
 Igne

 Lmst
 Meta
 Mrlst
 Salt
 Shale

 Shcol
 Shgy
 Siltst
 Ss
 Till

Curve Track 1 ROP (min/ft) — Gamma (API) —		Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
						<p>THE FOLLOWING ARE SAMPLE TOPS - FOR LOG TOPS PLEASE REFER TO HEADER SECTION ABOVE:</p> <p>Top Anhydrite 840 (+1030) Base Anhydrite 874 (+996)</p>
		2750			SH: gry-grn-blk	TOPEKA 2754 (-884)
					LS: crm-tan-brn, vfxln, dense, foss, chalky, NS	
					LS: as above	
					LS: as above	
					LS: crm-tan-gry, vfxln, dense, foss, sl chalky, NS	
		2800			LS: crm-tan-gry, vfxln, dense, sl chalky, NS	
					LS: as above	
					LS: tan-gry, fxdn, dense, mottled, foss, sl chalky, NS	
		2850			SH: blk-gry-grn	
					LS: crm-brn-gry, fxdn, dense, mottled, foss, NS	
					SH: gry-grn	
					LS: crm-tan-gry, fxdn, dense, mottled, foss, NS	



LS: as above

SH: blk-gry

LS: crm-brn-gry, fxdn, dense, mottled, sl chalky, NS

LS: crm-tan-gry, fxdn, dense, mottled, NS

LS: crm-tan-gry, fxdn, dense, sl mottled, sl foss, NS

LS: as above

LS: tan-brn-gry, fxdn, foss, dense, sl chalky, NS

LS: as above

LS: crm-tan, fxdn, foss, dense, NS

SH: blk, carb

LS: crm-gry, fxdn, dense, chalky, NS

LS: wht-tan, fxdn, ool, pr int-ool por, chalky, NS

SH: gry

SH: gry

SH: gry

LS: wht-tan-gry, fxdn, foss, sl chalky, dense, NS

SH: gry-grn-brn

LS: crm-brn-gry, vfxdn, dense, sl chalky, NS

SH: blk-gry-grn

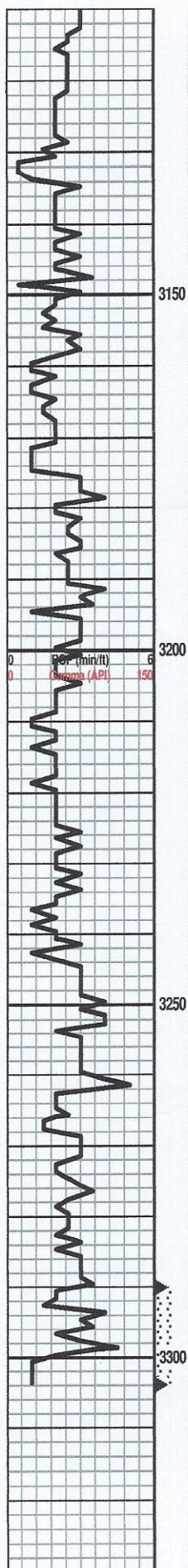
LS: wht-tan, fxdn, sl oolic, pr-fr inter-ool por, vssfo on brk, spotty stn, no odor

LS: crm-tan, vfxdn, sl mottled, minor chert, dense, NS

HEEBNER 2991 (-1121)

LANSING 3059 (-1189)

PERFORATE BEFORE ABANDONMENT



LS: crm-tan-gry, vfxln, dense, sl chalky, NS

LS: as above

LS: crm-gry, vfxln, dense, minor chert, chalky, NS

LS: as above

○ LS: crm-tan, fxdn, oolitic, dense, vssfo on brk, lite stn, fr odor

LS: crm-brn, fxdn, dense, foss, chalky, nsfo, sl stn, sl odor

LS: as above w/dk chert

SH: blk-gry-grn

LS: crm-brn-gry, vfxln, cherty, dense, NS

LS: as above

LS: crm-tan, vfxln, dense, NS

LS: crm-tan-gry, vfxln, dense, NS

① LS: crm-tan, fxdn, oolic, pr moldic por, vssfo on brk, spotty stn, fr odor

LS: crm-tan-gry, vfxln, dense, NS

SH: blk-grn sh

LS: wht-tan-gry, vfxln, dense, sl chalky, NS

LS: as above (blk-grn sh)

LS: as above

● DOL: crm-tan, f-mxlm, gd vug & inxln por, gsfo, even sat stn, strong odor

PERFORATE BEFORE ABANDONMENT

ARBUCKLE 3300 (-1428)

DST #1 3290-3304 (Arbuckle)

15:45:15:60

IF: BOB 1 min, surface return

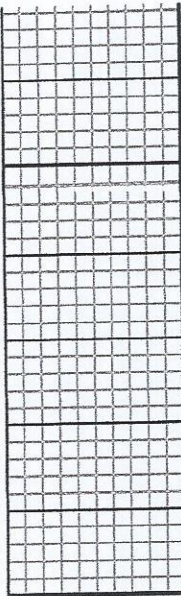
FF: BOB in min, built to 1"

Recovery: 307' GIP, 257' Gsy Oil, 378'

GMCOW (40%G, 25%O, 30%W, 5%M), 378'

OCMW (5%O, 85%W, 10%M),

5



3350

2400

4 1/2" MCW (95%W, 5%M)

IHP: 1582 FHP: 1509

IFP: 128-401 ISIP: 1099

FFP: 428-630 FSIP: 1101

Oil Gravity - 39

Chlorides - 27,500 ppm

BHT - 104 F

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 6256

Cell 785-324-1041

Date	11-22-12	Sec.	36	Twp.	15	Range	14	County	Russell	State	KANSAS	On Location		Finish	10:15 pm
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Location

Lease	DENNIS	Well No.	#3	Owner	ALEO
Contractor	S.W.D #70	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	PROD STRING				
Hole Size	7 7/8"	T.D.	3304'	Charge To	ALEO
Csg.	5 1/2"	Depth	3306'	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	27'	Cement Amount Ordered	175 com 10% salt 5% aluminate

Meas Line Displace 78 BNS

EQUIPMENT				Common
Pumptrk	No. 15	Cementer		Poz. Mix
		Helper	NICK	
Bulktrk	#1	Driver		Gel.
		Driver	BILLY	
Bulktrk	7/11	Driver		Calcium
		Driver	CHUCK	

JOB SERVICES & REMARKS	
Remarks:	Hulls
Rat Hole 30 SKK	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48 500 GAL
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer 5-5 1/2
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down 1-5 1/2 w/PLUG
	TRIPLEX JOINT
	10 GAL KCL
PLUG LANDED & HELD	Pumptrk Charge
	Mileage

Signature	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 8100

Date	11-15-12	Sec.	36	Twp.	15	Range	14	County	Butler	State	KS	On Location		Finish	6:00 AM
Location								SL + michiechis							
Lease		Deer		Well No.		# 3		Owner							
Contractor		Cuthbert 70						To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job		Cement						Charge To							
Hole Size		12 1/4		T.D.		845		AL EO							
Csg.		885		Depth		845		Street							
Tbg. Size				Depth				City							
Tool				Depth				State							
Cement Left in Csg.		24 700		Shoe Joint		10 10 1/4		The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace		51.29		Cement Amount Ordered							
								350 3600 29 801							
EQUIPMENT								Common							
Pumptrk	No.	Cementer						Poz. Mix							
		Helper													
Bulktrk	No.	Driver						Gel.							
		Driver													
Bulktrk	No.	Driver						Calcium							
		Driver													
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
								Handling							
								Mileage							
Cement did Circulate								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature															