

LITHOLOGY STRIP LOG

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

Well Name: HUTCHINSON A#1
Location: E/2 SE/4
License Number: API: 15-145-21707-00-00
Spud Date: February 2, 2013
Surface Coordinates: Section 9-T23S-R17W, 1320' FL, 660' FEL
Bottom Hole Coordinates: GARFIELD Pool
VERTICAL Hole

Region: Pawnee County, Kansas
Drilling Completed: February 9, 2013

Ground Elevation (ft): 2093
Logged Interval (ft): 3500
Formation: Viola
Type of Drilling Fluid: Chemical Mud, Displace at 3486'

K.B. Elevation (ft): 2105
To: 4385
Total Depth (ft): 4385'

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

OPERATOR

Company: Apollo Energies, Inc
Address: 10378 N 281 HWY
Pratt, Kansas 67124-7920

GEOLOGIST

Name: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
Heebner Shale	3668(-1563)	3672(-1567)
Toronto	3690(-1585)	3690(-1585)
Douglas Shale	3697(-1592)	3700(-1595)
Brown Lime	3779(-1674)	3783(-1678)
Lansing	3787(-1682)	3790(-1675)
B/KC	4058(-1953)	4065(-1959)
Conglomerate	4194(-2089)	4200(-2095)
Shale		
Mississippian	4214(-2109)	4214(-2109)
Viola	4311(-2208)	4312(-2207)
RTD	4385(-2280)	
LTD		4390(-2285)

COMMENTS

Surface Casing: Set 7 joints 8 5/8" at 318' with 225 sxs 60/40 Poz 2% gel, 3% cc, plug down at 4:00 am on February 3, 2013. Cement did Circulate.
Production Casing: None
Deviation Surveys: 337' - 2, 379' - 1, 1070' - 1, 1606' - 1, 2115' - 1/4, 2592' - 1/4, 3157' - 1 1/2, 3378' - 1 3/4, 3632' - 1, 3886' - 1 1/4, 4250' 2 1/2, 4267' - 1, 4385' - 1 1/4.
Contractor Bit Record:
1- 12 1/4" out at 337'.
2- 7 7/8" out at 4385'.

Pipe Strap at 4250'
Strap 4270.77
Board 4267.58
Strap Long 3.19 long

Gas Detector: NONE
Mud System: Mud Co., Jason Whiting, Engineer
DSTs: Triolobite Testing, 2 tests ran
Logged By: Pioneer Logging Services.
LTD - 4390'.

DSTs

DST #1 4184 to 4250', Times 30-60-30-60'
1st Opening, Strong Blow, BOB 6 minutes, no blow back
2nd Opening, Strong Blow, BOB 22 minutes, no blow back.
Recovery: 130' GIP, 70' Drilling Mud.
IFP 35-43# FFP 42-59#
ISIP 224# FSP 199#
IHP 2007# FHP 1972#
Temp 113 degrees.

DST #2 4250 to 4299', Times 30-60-30-60'
1st Opening, Good Blow, 8 inches, no blow back
2nd Opening, Good Blow 8 inches, no blow back.
Recovery: 150' GIP, 35' OCM (10% Oil, 90% Mud)
IFP 20-28# FFP 31-39#
ISIP 281# FSP 214#
IHP 2046# FHP 2014#
Temp 111

RECOMMENDATIONS

Based on the results of negative DSTs, samples shows and log calculations, it was recommended by all parties this test well be plugged and abandoned.

Respectfully,
W. Scott Alberg

CREWS

Fossil Drilling, Inc Rig #4
Tool Pusher - Craig Eubank
Drillers - Days - Daniel Orrantia
Evening - Kerry Clark
Morning - Andres Moestes
Relief - Jim Wenrich

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mlmt	Gry sh
Brec	Shy dolo	Salt	Shale
Chrt	Dol	Shale	Shalest
Clyst	Gyp	Stst	Stysh
Coal	Sdy lmst	Ss	

ACCESSORIES

MINERAL	Chlorite	Pelec	Grysh
Anhy	Dol	Pellet	Gryst
Arg	Sand	Pisolite	Lms
Bent	Sily	Plant	Sandylms
Brec		Strom	Sh
Bit		Fuss	Ststn
Brcfrag		Oomoldic	
Calc	FOSSIL	STRINGER	TEXTURE
Carb	Algae	Anhy	Boundst
Chtdk	Amph	Arg	Chalky
Chtk	Belm	Bent	Cryxln
Dol	Bioclst	Coal	Earthy
Ferrp	Brach	Dol	Finexln
Ferr	Bryozoa	Gyp	Grainst
Glau	Cephal	Ls	Lithogr
Gyp	Coral	Mlmt	Microxln
Marl	Crin	Ststng	Mudst
Nodule	Echin	Sstrng	Packet
Phos	Fish	Carsh	Wackest
Pyr	Foram	Clystn	
Salt	Fossil	Dol	
Sandy	Gastro		
Silt	Oolite		
	Ostra		

