

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1120234

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

# WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		
Address 2:		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from East / West Line of Section
		Footages Calculated from Nearest Outside Section Corner:
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well Re-I	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Fee
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG	GSW Temp. Abd.	If yes, show depth set: Fee
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core,	Expl., etc.):	feet depth to:w/sx cmi
If Workover/Re-entry: Old Well Info	o as follows:	
Operator:		
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.	Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	
Dual Completion	Permit #:	Operator Name:
	Permit #:	Lease Name: License #:
	Permit #:	Quarter Sec TwpS. R East Wes
GSW	Permit #:	County: Permit #:
Spud Date or Date Read Recompletion Date	ched TD Completion Date or Recompletion Date	

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

# Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1120234
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional Shee	ets)	Yes	No	Lo	-	n (Top), Depth an		Sample
Samples Sent to Geologi	cal Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted El (If no, Submit Copy)	lectronically	☐ Yes ☐ ☐ Yes ☐ ☐ Yes ☐	No					
List All E. Logs Run:								
		CA	SING RECORE	D Ne	w Used			
		Report all string	gs set-conductor,	surface, inte	rmediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

#### ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Shots Per Foot	ots Per Foot PERFORATION Specify Foot			RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed Production, SWD or ENH			₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold Used on Lease					Commingled (Submit ACO-4)					
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Company: Address:	<b>OPERATOR</b> HERTEL OIL COMPANY, LLC 704 E 12TH STREET HAYS, KANSAS 67601		
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	DAVE HERTEL 785-628-2445 R.C. UNIT # 1 NE NW NW SW Sec 17-15s-19w WILDCAT KANSAS	API: Field: Country:	15-051-26,459-00-00 UNNAMED USA
	Company, L.L.C. Hays, Kansas Scale 1:240 Imperial	4	
Well Name: Surface Location: Bottom Location: API: License Number:	R.C. UNIT # 1 NE NW NW SW Sec 17-15s-19w 15-051-26,459-00-00 33625		
Spud Date:	1/15/2013	Time:	2:30 PM
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	ELLIS COUNTY 1/20/2013 2500' FSL & 550' FWL	Time:	2:01 PM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1978.00ft 1986.00ft 2800.00ft 3665.00ft REAGAN SAND CHEMICAL/FRESH WATER GEL	To:	3665.00ft
	SURFACE CO-ORDINATES	;	
Well Type: Longitude: N/S Co-ord:	Vertical 2500' FSL	Latitude:	

E/W Co-ord:	2500' FSL 550' FWL							
LOGGED BY								
Company: Address:	SOLUTIONS CONSULTING 108 W 35TH HAYS, KS 67601							
Phone Nbr: Logged By:	(785) 639-1337 Geologist	Name:	HERB DEINES					
	CONTRACTOR							
Contractor: Rig #: Rig Type:	DISCOVERY DRILLING INC. 4 MUD ROTARY							
Spud Date: TD Date: Rig Release:	1/15/2013 1/20/2013 1/21/2013	Time: Time: Time:	2:30 PM 2:01 PM 3:00 AM					

# ELEVATIONS

K.B. Elevation: 1986.00ft K.B. to Ground: 8.00ft Ground Elevation: 1978.00ft

## NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL DUE TO LOW STRUCTURE AND LACK OF DEVELOPMENT IN LKC AND LOW STRUCTURE OF BASAL SAND UNITS.

REFERENCE WELL USED FOR CORRELATION: # 1 PITTS 17 CD DRILLED BY RITCHIE EXPLORATION INC. LOCATED 2280' FSL AND 1260' FWL, SW/4 SEC 17-15S-19W

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: RADIATION GUARD LOG

NO DRILL STEM TESTS WERE RAN

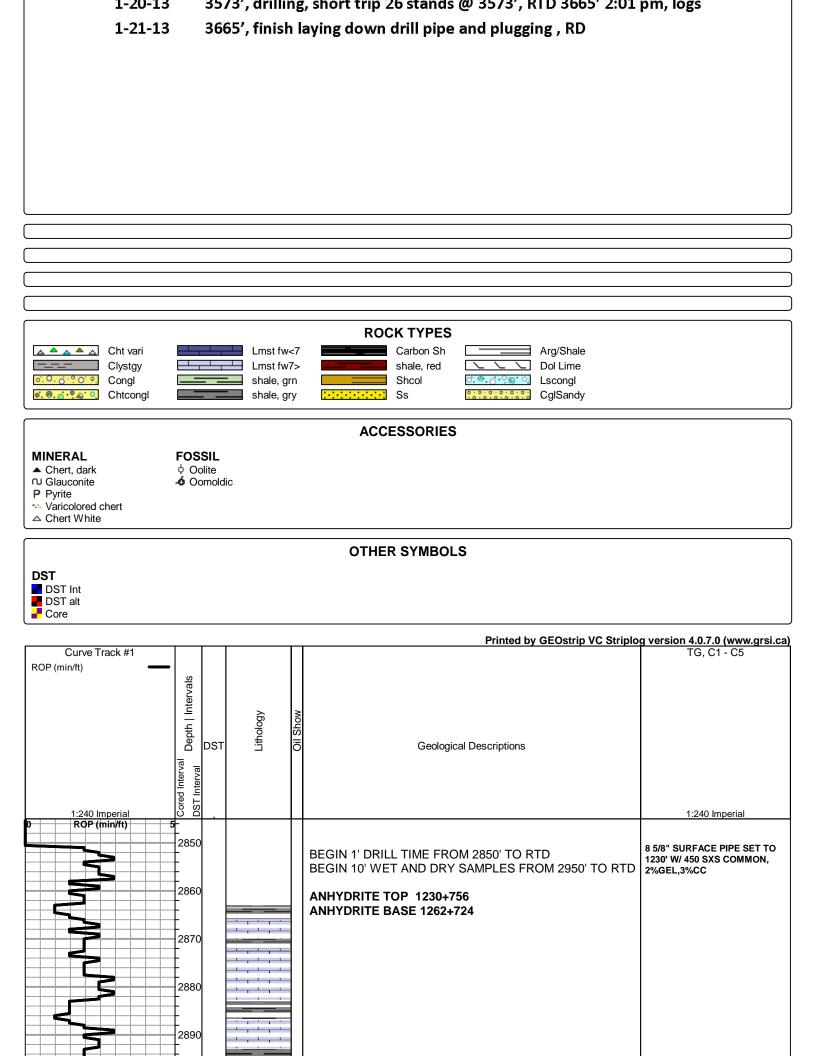
#### FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

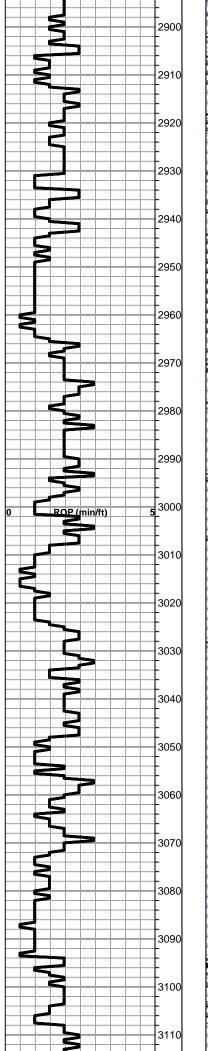
R.C. UNIT #1	# 1 Pitts 17 CD
2500' FSL & 550' FWL, SW/4	2280' FSL & 1260' FWL
Sec. 17-15s-19w	Sec. 17-15s-19w
1978' GL 1986' KB	Reference Well

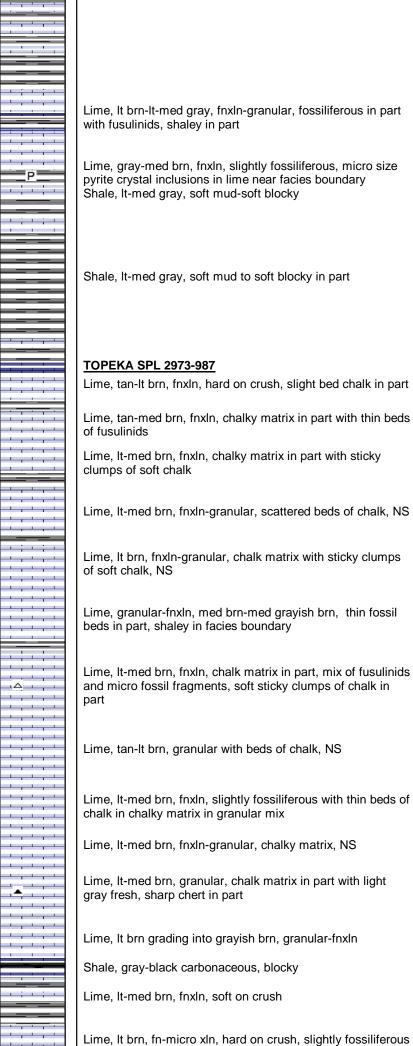
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS
Anhydrite	1228+ 758	1230+ 756	+753
B-Anhydrite	1258+ 728	1262+ 724	+719
Topeka	2973- 987	2968- 982	- 978
Heebner Shale	3242-1256	3238-1252	-1249
Toronto	3262-1276	3258-1272	-1269
LKC	3286-1300	3283-1297	-1294
ВКС	3530-1544	3528-1542	-1541
Marmaton	3568-1582	3566-1580	-1581
Conglomerate Sand	3616-1630	3618-1632	Not found
Arbuckle		None found	-1611
Reagan Sand	3641-1655	3640-1654	-1621
RTD	3665-1679		
LTD		3665-1679	-1627

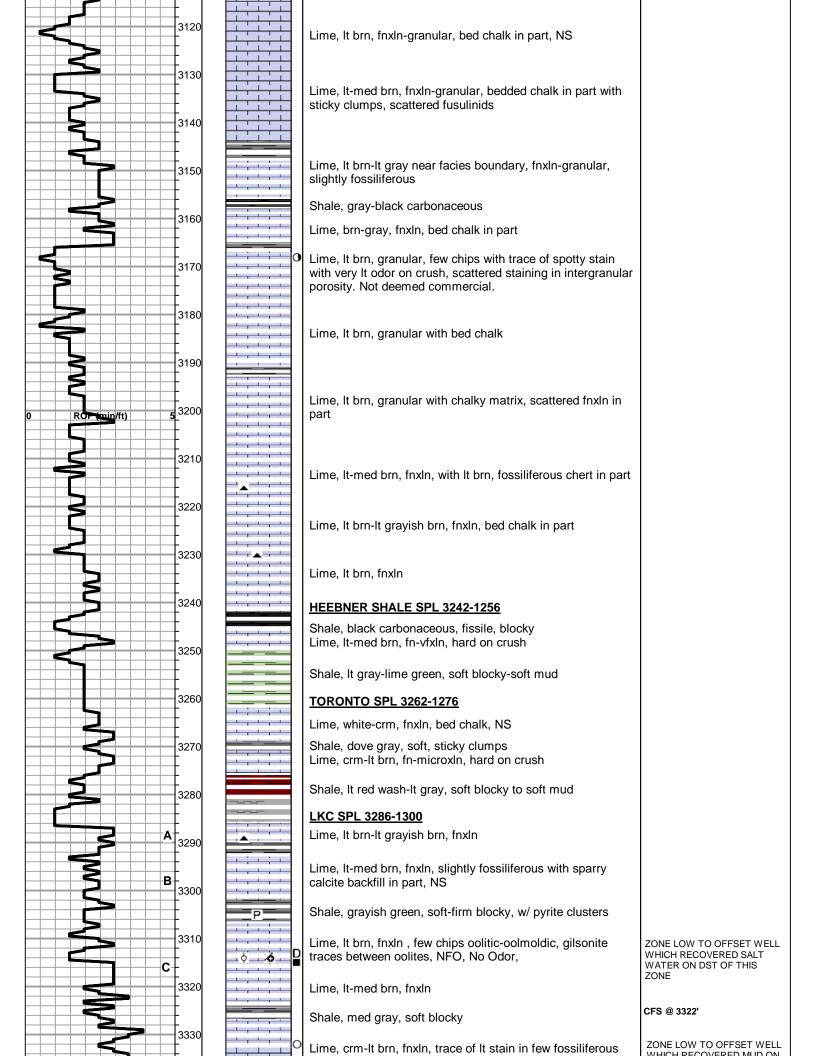
## SUMMARY OF DAILY ACTIVITY

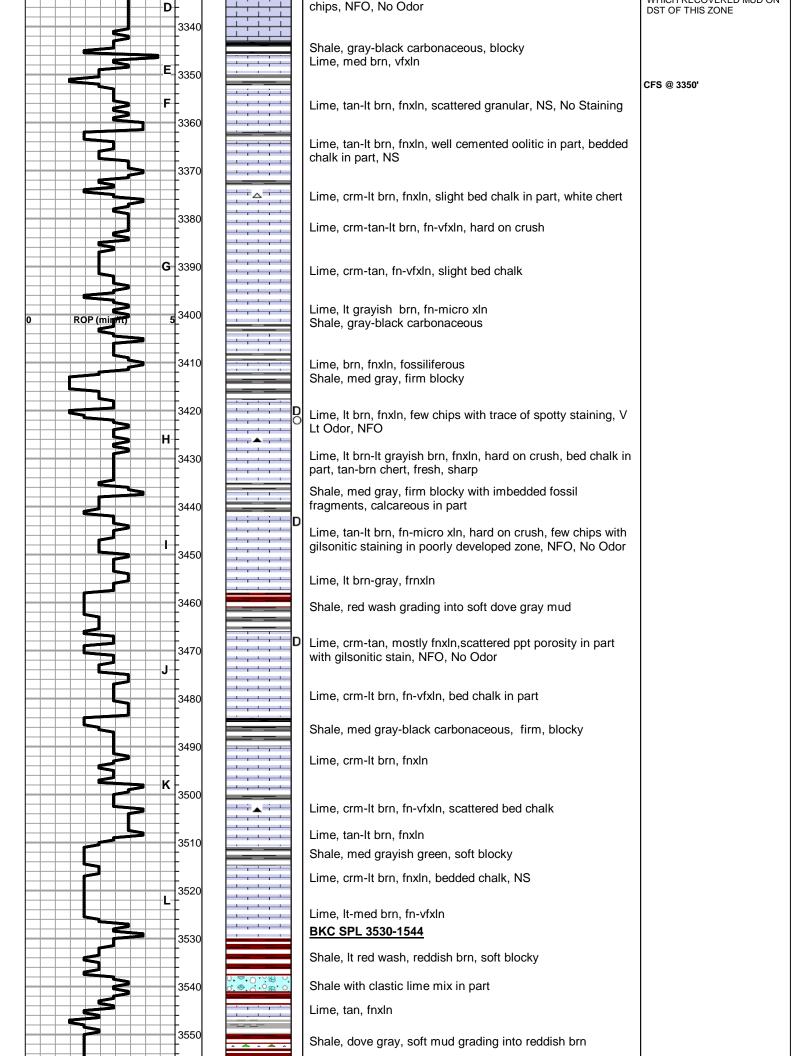
1-15-13	RU, spud 2:30 pm
1-16-13	953', drilling, set 8 5/8" to 1230' w/ 450 sxs Common, 2%Gel, 3%CC,
	plug down 10:15PM, slope 1 degree, WOC 12 hrs
1-17-13	1230', WOC, drill plug at 10:15 am
1-18-13	2303', drilling
1-19-13	3101', drilling

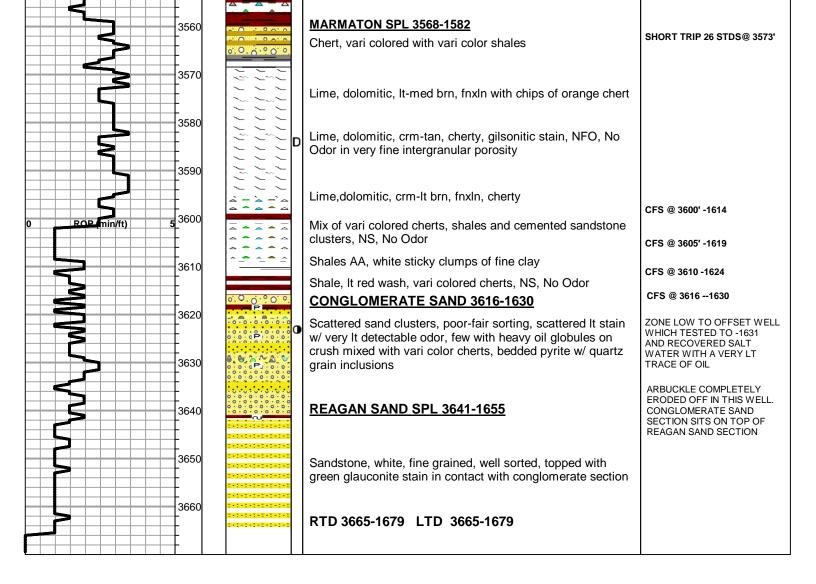












# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32	Russell, KS 67665	tood enti no mi	No.	06298

Phone	785-483-2025
Cell 78	5-324-1041

Cell 703-324-1041	L Soo	Two	Bange	Loome C	ounty	State	On Location	Finish
Date 1-20-13 17		Twp. Range		P P P	and the second	KANSAS	an an analysis i and a second and a second and a second second second second second second second second second	2:00 AM
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Lease R.C. Un		Ī,	Well No. 44-1		Owner H	ERTEL OT	ty la toover on int gran	jevri erit pelanisti
Contractor					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish			
STOLEN COMPANY AND AND A COMPANY AND A STOLEN			"READS	cementer and helper to assist owner or contractor to do work as listed.				
ype Job P.T.H Hole Size 7 78 T.D. 1230				- 1977) - SHQA	Charge HERTEL OTL			
Csg. 443					Street 704 F JATH ST			
Tbg. Size	the second			into ad 19	City HAVS State K5, 107601			
Tool	Ma-14, 13,	Depth			The above was done to satisfaction and supervision of owner agent or contractor			
Cement Left in Csg.	이는 동안에 대한 것이 안 <b>있었다. 이 것이 있는 것이 가 가 가지 않는 것이 있는 것이 있</b> 는 것이 있다.				Cement Amount Ordered 175 940 000 - 4 960EL			
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Remarks:				1.11.11.11.1	Flowseal			
Rat Hole 05K5 Mouse Hole 155K5				Contraction of the second	Kol-Seal			
Centralizers				14.32 M	Mud CLR 4	8	lead to the disconsid	cosmac (a)
Baskets					CFL-117 or CD110 CAF 38			
D/V or Port Collar					Sand			
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