

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1054459

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: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
	Field Name:
Wellsite Geologist:	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info 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:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached 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	
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 She	Yes] No	□ I Nar	0	n (Top), Depth and	d Datum Top	Sample Datum	
Samples Sent to Geolog	ical Survey	Yes	No				100	Datam
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Yes] No] No] No						
List All E. Logs Run:								
		C	CASING F	RECORD	lew Used			
		Report all stri	ngs set-co	onductor, surface, in	termediate, product	ion, 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: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record of Material Used)	Depth			
TUBING RECORD: Size: Set			Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Production, SWD or ENH			۲.	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:				METHOD OF COMPLETION:			PRODUCTION IN	TERVAL:		
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A		Commingled (Submit ACO-4)		
(If vented, Submit ACO-18.)				Other (Specify))					

Well Report HUMMER 10A-28

API Number: Project Area:	SYCAMORE KS Wilson 30S - 14E - 28 2465FSL - 1640FEL	AFE Number: AFE Amount:	G01013600600 \$0.00				
Activity Date	Activity Description						
11/29/2010	MIRU THORNTON DRILLED 11" HOLE 40 DEE CASING MIXED 8 SX TYPE 1 CEMENT, DUMH						
11/30/2010	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACTO 1236' TD, TESTING SAMPLES AT ZONES OF INTEREST RD DRILL RIG SDFN.						
12/1/2010	MI RU OSAGE WIRELINE PULLED LOGS FROM GOOD OIL SHOW ON WIRE MI PU, RIH W/32 JOINTS 4-1/2" CASING, RIG U WITH 25 BBLS FRESH WATER PUMP 10 SKS G PRE-FLUSH , 10 BBLS DYE WATER, MIXED 13 SEAL,1/8# PHENOSEAL PER SK., 1/2% CFL-110 WASHED OUT PUMP AND LINES SHUTDOWN FRESH WTR. FINAL PUMPING PRESSURE 500 MINUTES, RELEASE PRESSURE, FLOAT HELI 8 BBLS TO PIT. RD MOL. CSG STRING: 32 JOINTS 4-1/2" LANDED CSG @ 1225.81' PBTD - 1225.81' TD 1237"	P CONSOLIDAT EL FLUSH W/H 5 SKS THICK SE , 1/4% CAF-38 @ , RELEASE PLU PSI, BUMP PLU	TED, BREAK CIRCULATION ULLS, 20 BBLS CAUSTIC ET CMT W/8#KOL- 20 13.4#/GAL YIELD 1.75. G, DISPLACE W/19.5 BBLS IG TO 1000 PSI. WAIT 2				
12/16/2010	MOL RU Osage Wireline and Consolidated Oil Wel VDL Log from 1216' to surface. Good Bond all dept 1119' to 1122' and 1140' to 1148' with 2 spf, 180 deg Consolidated rigged up and spotted 100 gallons 15% gallons additional (400 gal total) 15% HCL with 40 1 perfs. RIH with wireline junkbasket and knock balls ppt gelled water with 2% KCL & biocide) followed sand @ 0.25 ppg - 3 ppg concentration, droping 7 ba During PAD, ice in frack tank plugged valves, had to sand placement pumping. Breakdown 1561 psig, ISIP 620 psig, 5 min 536 psig ATP 960 psig, MTP 1090 psig, ATR 28 BPM, MTR TOTAL JOB: 13,200 lbs 16/30 & 12/20 sand, 400 g SI WELL AFTER FRAC TO ALLOW GEL TO BR	hs. Osage Perfed gree phase, and 25 o HCL across Catt ball sealers. Good s off. Fracked Catt with 4,200 lbs 16/ ulls during frac. Fl o shut down and d g, 10 min 513 psig 28 BPM. gallons 15% HCL	the Cattleman sands from figm charges. Total 24 holes. leman perfs. Pumped 300 d ball action and balled off tleman with 175 bbls PAD (25 /30 and 9,000 lbs 12/20 frac ushed with 28 bbls gel. le-ice prior to continuing with g, 15 min 502 psig,				

12/17/2010 TIH W/ TBG WASHED TO TD TIH W/ RODS SPACED ROD STRING HUNG ON JACK. WASHED 25' OF SAND

TBG STRING 37- 2 3/8 TBG 0- SUBS SN @ 1168 15' OEMA @ 1183

ROD STRING 46- 3/4 RODS 0 PONYS 1 1/2 X 6' BHD CUP INST PMP 1 1/8 X 11' POLISH ROD

3/14/2011 MI RU POOH WITH RODS AND PUMP CHECKED FILL TO 32' NO SAND. PUT ON REBUILT PUMP RAN RODS BACK IN HUNG OFF ON WELL HEAD WELL BACK ON PROD.

TBG STRING 37- 2 3/8 TBG 0- SUBS SN @ 1168 15' OEMA @ 1183

ROD STRING 46- 3/4 RODS 0 PONYS 1 1/2 X 6' BHD CUP INST PMP 1 1/8 X 11' POLISH ROD

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Air Drilling Specialist Oil & Gas Wells

And in case of the local division of the loc

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THORNTON AIR ROTARY, LLC

Office Phone: 520-879-2073

PO Box 449 Caney, KS 67333

Well No.	Operator	Lease	A.P.I #	County	State
10A-28	Layne Energy Operating	Hummer	205-27871-00-00	Wilson	Kansas
	r				
1/4	1/4	1/4	Sec.	Twp.	Rge.
			28	30	14

	<u> </u>	Format	ion Record		
0-6	DIRT	749-771	LIME	1100-1118	SHALE
6-50	SHALE	771-781	SAND	1118-1124	SAND / OIL ODOR
50-146	LIME	781-790	SANDY SHALE		SANDY SHALE
146-168	SANDY SHALE (DAMP)	790-8 08	SHALE	1143-1154	
168-200	SHALE	808-814	SANDY SHALE	1154-1159	
200-208	LIME	814- 820	SAND	1159-1172	SANDY SHALE
208-326	SHALE	820-836	SANDY SHALE	1162	GAS TEST - NO GAS
326-380	SAND (WET)	836-857	SAND	1172-1178	SAND
361	GAS TEST - NO GAS	857-866	SHALE	1178-1208	SANDY SHALE
380-450	SANDY SHALE	866-900	LIME (PAWNEE)	1208-1225	RED SHALE
411	GAS TEST - NO GAS	900-904	SHALE	1225-1237	SHALE
450-465	LMY SHALE	904-908	LIME	1237	то
465-488	SAND	908-9 1 5	BLK SHALE (LEXINGTON)		
488-548	LIME	915-951	SHALE		
511	WENT TO WATER	951-975	LIME (OSWEGO)		
548~556	BLACK SHALE	975-981	BLK SHALE (SUMMIT)		
556-571	LIME	981-995	LIME		·····
571-578	SAND	995-997	BLK SHALE (MULKEY)		
578-579	COAL	997-998	COAL		
579-594	SANDY SHALE	998-1000	LIME		·····
594- 614	LIME	1000-1042	SHALE		
514- 62 5	SHALE	1012	GAS TEST - NO GAS		
625- 6 53	LIME	1042-1043	COAL		
653-662	SHALE	1043-1054	SHALE	1	
662- 671	BLACK SHALE	1054-1056	LIME		
571-683	SHALE	1056-1058	SHALE		
583-685	LIME	1058-1059	COAL (CROWBERG)		
585-715	SHALE	1059-1099	SHALE		
715-729	LIME	1062	GAS TEST - NO GAS		
729-749	SHALE	1099-1100	COAL		

Oil Well Berview, LLC

DATED

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No.	4701	Ê,	2

TICKET NUMBER 30011 LOCATION EUICE KS FOREMAN RICK Leaford

PO Box 984, Chanute, KS 66720 620-431-9210 or 800-467-8676

Consoi

FIELD TICKET & TREATMENT REPORT CEMENT

20-431-3210	01 000-407-007	0		CEMENI				
DATE	CUSTOMER #	WEL	L NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
12-1-10	4758	Hummer	10A-28		28	30	IVE	Wilson
CUSTOMER	_			Sakty	- 것 한 중요	میں ان کی معرفی انجو ہے ہوتی ہے۔ میں مقدمہ کی کر کا میں انجو		
	ayne Ene	19.			TRUCK#	DRIVER	TRUCK#	DRIVER
AAILING ADDR	ESS	•		a de L	520	Cliff		
(Sox 160			500 [543	Dave		
CITY		STATE	ZIP CODE	1 [437	Jim		
5	Veande	125					· · · · · · · · · · · · · · · · · · ·	
	nything O	HOLE SIZE	6 24.	_ KOLE DEPTH_	/232	CASING SIZE & V		10.54
ASING DEPTH		DRILL PIPE		TUBING			OTHER	
SLURRY WEIGI	HT /3.4 #	SLURRY VOL	Y2 BW	WATER gai/sk	8."	CEMENT LEFT IN		
DISPLACEMEN	19% as1	DISPLACEMEN	T P81_50a_	PSI 1000		RATE_		
REMARKS: 3	Safet ment	m. Rie	w to 4	1/2" casino	. Влеак с	arculation 1	. 1 25 0	<u>ل</u> ا
fresh .	water Puna	10 545	et-flysh	-1 hulls	20 Bhl	Causelic sode	pro Clish	<u> </u>
10 B61	due uneter	Dived 1.	35 345	thickset ce	met w15	" Kotsal, 1/2	* abovered /	
127, 5	+10 + Yy 90 CA	1238 P	13. 4+ / + al	upshut a	ma + hars	shit dera,	a loss alm	
Quest	4 1 1942	Abs fresh	under Fr	cal an-a Ar	ethere Soc	PSZ. Buge	alin An	•
1040 PS-	£ 11-14 2	man her fo	land Citra	St. 1 h		Comat retyrn		
						COMAT /CTY/A	13 10 34/14	
<u>X</u>	stroy to pit	· Job Cry	elett. Kig.	d the	-			

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ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401		PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	144.00
1126A	135 545	thickset compt	1700	2295.00
IlliaA	1680*	8" Kol-sen /sic	.42	453.60
11074		Ys* phonessar /sx	1.15	19.55
1135	68"	1/200 52-110	7.56	5 10.00
1146	37"	VIDO CAR38	7.70	24). 7
1186	500 #	gel-flush	. 20	100.00
1105	50*	hulls		19.50
1103	140**	caustic sada	1.45	145.00
SYOTA	7.43	tan mileagy buik tyk	1.20	356.6
5502 <	4 hrs	BI ONI WAG TEX	85.00	340.00
1123	3000 9013	City water	14.90/1000	44.70
<u>4404</u>		4/2 when when when when we wanted a set of the set of t	45.00	45.11
			Sublate	5661.7
			SALES TAX	245:3
3737	Sacob Male	~ 238-402, (ESTIMATED TOTAL	5907.1

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.