

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1188001

Form ACO-1
August 2013
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:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from: sx cmt.
Well Name: Original Comp. Date: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
□ Dual Completion Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. TwpS. R East West County: Permit #:

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
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Page Two



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Dures, whether shut-in pre ith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott		
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-log	gs@kcc.ks.gov	. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			n (Top), Depth an		Sample
Samples Sent to Geol	ogical Survey	☐ Yes ☐ No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-o			on, 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 / SQL	EEZE RECORD	I	1	
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Po	ercent Additives	
Perforate Protect Casing Plug Back TD	TOP BOILOTT						
Plug Off Zone							
Does the volume of the to	•	n this well? aulic fracturing treatment ex submitted to the chemical o		Yes Yes Yes	No (If No, ski)	o questions 2 and properties of question 3) out Page Three	
Shots Per Foot		N RECORD - Bridge Plug			cture, Shot, Cement		
0.100 1 0.1 001	Specify Fo	ootage of Each Interval Perf	orated	(Ar	nount and Kind of Ma	terial Used)	Depth
	0:						
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift C	other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er Bl	bls. G	ias-Oil Ratio	Gravity
		· .	4FTUOD OF 65335	TION		DD OD / 127	AN INTERVAL
DISPOSITION Vented Sold	ON OF GAS: Used on Lease	Open Hole	METHOD OF COMPLE Perf. Dually		nmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub		Other (Specify)	(Submit A		mit ACO-4)		

Formation Tops

DK Operating, Inc.

4401', -2177

4412', -2188

Bowie #1-9 Sec. 9 T21s R22w **Formation** 2060' FNL & 1990' FEL Anhydrite 1404', +820 Base 1444', +780 Heebner 3734', -1510 Lansing 3784', -1560 BKc 4159', -1935 Pawnee 4243', -2019 Fort Scott 4311', -2087 Cherokee 4339', -2115

Mississippian

RTD

Formation Tops

	DK Operating, Inc.
	Bowie #1-9
	Sec. 9 T21s R22w
Formation	2060' FNL & 1990' FEL
Anhydrite	1404', +820
Base	1444', +780
Heebner	3734', -1510
Lansing	3784', -1560
BKc	4159', -1935
Pawnee	4243', -2019
Fort Scott	4311', -2087
Cherokee	4339', -2115
Mississippian	4401', -2177
RTD	4412', -2188

Structural Comparison

	DK Operating, Inc.	Pickrell Drilling, Inc.		Colorado O&G	
	Bowie #1-9	Cox #1		Cox #1	
	Sec. 9 T21s R22w	Sec. 9 T21s R22w		Sec. 9 T21s R22w	
Formation	2060' FNL & 1990' FEL	C NW SW		SW NW	
Anhydrite	1404', +820	1421', +835	(-15)	1420', +811	(+9)
Base	1444', +780	NA	NA	NA	NA
Heebner	3734', -1510	3706', -1450	(-60)	3736', -1505	(-5)
Lansing	3784', -1560	3756', -1500	(-60)	3791', -1560	FL
BKc	4159', -1935	4106', -1850	(-85)	NA	NA
Pawnee	4243', -2019	4190', -1934	(-85)	NA	NA
Fort Scott	4311', -2087	4262', -2006	(-81)	4308', -2077	(-10)
Cherokee	4339', -2115	4284', -2028	(-87)	NA	NA
Mississippian	4401', -2177	4348', -2092	(-85)	4399', -2168	(-9)

Summary

The location for the Bowie #1-9 well was found via 3-D seismic survey. The new well ran much lower than expected via the survey. After all gathered data had been examined the decision was made to plug and abandon the Bowie #1-9 well.

Respectfully Submitted.

Jason T Alm

Hard Rock Consulting, Inc.

General Data

Well Data:

DK Operating, Inc.

Bowie #1-9

2060' FNL & 1990' FEL

Sec. 9 T21s R22w

Hodgeman County, Kansas API # 15-083-21898-0000

Drilling Contractor:

Pickrell Drilling Co. Inc. Rig #1

Geologist:

Jason T Alm

Spud Date:

September 30, 2013

Completion Date:

October 7, 2013

Elevation:

2214' Ground Level 2224' Kelly Bushing

Directions:

Hanston KS, 7 Mi. North on NE 228 Rd. to X Rd.

1 ½ mi. West, North into location.

Casing:

220' 8 5/8" surface casing

Samples:

10' wet and dry, 4000' to RTD

Drilling Time:

3600' to RTD

Electric Logs:

None

Drillstem Tests:

None

Problems:

Samples were very shaly throughout the well.

Remarks:

There were no oil shows throughout the well.

ALLIED OIL & GAS SERVICES, LLC 061929

Federal Tax I.D. # 20-8651475

EMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092			SERVICE POINT:			
DATE 10-2-13	SEC. 9 TWP. 2/5	RANGE 22	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE BOLLE	WELL# 19		1570 Nou	B1228	Hodgenau	STATE
OLD OR NEW (C			Kw Sinor		1707-9-22-22	
CONTRACTOR	Profrell Poll		OWNER		_	
TYPE OF JOB HOLE SIZE	Surface T.D		CEMENT			·
CASING SIZE		TH 226,08	AMOUNT O	RDERED 150	SKS Cla	455 A
TUBING SIZE	y	TH	- 5/200	Vygel		
<u> </u>	· · · · · · · · · · · · · · · · · · ·	PTH	<u>1,</u>			
TOOL		PTH	COMMON	150	@ 17.90	2.685.00
PRES. MAX MEAS. LINE		NIMUM DE JOINT	POZMIX	700	@	
CEMENT LEFT I		<u>JEJOINI</u>	GEL	3	@ 23.40	70.20
PERFS.	11 COO: 1 7 P/		CHLORIDE	5	@ 64.00	320,00
DISPLACEMENT	13,06 65/5	Greshwager	ASC		@	_
	EQUIPMENT	,			@	
						-
PUMP TRUCK	CEMENTER Du	arta Chamba	75			445
# 39%	HELPER INTE				@	
BULK TRUCK	1,				_	-
#609-112	DRIVER Kenn	Welghous				
BULK TRUCK		/			@	~ ~~
#	DRIVER		— HANDLING	162.09	@ 2.48	401.98
			MILEAGE.	7.4 x 40 x	2-60	769.60
	REMARKS:				TOTA	L 4.246.
2005/6/6	Gestuar A	You				
1 50 150 5	KS (Pion Pinor	-		SERV	ICE	
10,401,68	13.06 6615	Broshwager				
9 66 00	<u></u>		DEPTH OF			25
Cenery D	1) corculas	e		CK CHARGE	1512.	<u> </u>
plug Poor	~ 2100 Ah			OTAGE	-@ 	308.00
- pro Du	^			Hum 40		
			— MANIFOLI	LVM 40	-@ 4.40	176.00
			Province of the Control of the Contr	5000		
	DV GOODT	7	***************************************			- 25
CHARGE TO: _	DK Operat	INOT	-		TOTA	AL 1.996. 25
STREET	,					
CITY	STATE	ZIP		PLUG & FLO.	AT EQUIPM	ENT
				:		· · · · · · · · · · · · · · · · · · ·
To: Allied Oil	& Gas Services, LL	C.				
You are hereby	requested to rent co	ementing equipme	ent —		@	
and furnish cer	menter and helper(s)	to assist owner o	of -			
contractor to d	o work as is listed.	The above work v	was		TOT	AL
done to satisfac	ction and supervisio	n of owner agent	OI DAT			
contractor. I h	ave read and unders	tand the GENER	side SALES TA	X (If Any)		>
TERMS AND	CONDITIONS" list	Lea on the reverse	TOTAL CH	JARGES 6.2	43.0	?
	M//	(01/0	. (1)	1.4	18.00	PAID IN 30 DAYS
PRINTED NAM	ME X / 1/	->/\	DISCOUN	T		AID IN 30 DAYS
and Arthur described the State of the State	10	1 211		W.99	4. 42	<u></u>
SIGNATURE	a Th	K. 1/2		1.,,	1	
SIGNATURE _	1 I F					
	1 hon K &	011.5				
	1 111111	- 61				

Formation Tops

	DK Operating, Inc.
	Bowie #1-9
	Sec. 9 T21s R22w
Formation	2060' FNL & 1990' FEL
Anhydrite	1404', +820
Base	1444', +780
Heebner	3734', -1510
Lansing	3784', -1560
BKc	4159', -1935
Pawnee	4243', -2019
Fort Scott	4311', -2087
Cherokee	4339', -2115
Mississippian	4401', -2177
RTD	4412', -2188

Structural Comparison

	DK Operating, Inc.	Pickrell Drilling, Inc.		Colorado O&G	
	Bowie #1-9	Cox #1		Cox #1	
	Sec. 9 T21s R22w	Sec. 9 T21s R22w		Sec. 9 T21s R22w	
Formation	2060' FNL & 1990' FEL	C NW SW		SW NW	
Anhydrite	1404', +820	1421', +835	(-15)	1420', +811	(+9)
Base	1444', +780	NA	NA	NA	NA
Heebner	3734', -1510	3706', -1450	(-60)	3736', -1505	(-5)
Lansing	3784', -1560	3756', -1500	(-60)	3791', -1560	FL
BKc	4159', -1935	4106', -1850	(-85)	NA	NA
Pawnee	4243', -2019	4190', -1934	(-85)	NA	NA
Fort Scott	4311', -2087	4262', -2006	(-81)	4308', -2077	(-10)
Cherokee	4339', -2115	4284', -2028	(-87)	NA	NA
Mississippian	4401', -2177	4348', -2092	(-85)	4399', -2168	(-9)

Summary

The location for the Bowie #1-9 well was found via 3-D seismic survey. The new well ran much lower than expected via the survey. After all gathered data had been examined the decision was made to plug and abandon the Bowie #1-9 well.

Respectfully Submitted.

Jason T Alm

Hard Rock Consulting, Inc.

General Data

Well Data:

DK Operating, Inc.

Bowie #1-9

2060' FNL & 1990' FEL

Sec. 9 T21s R22w

Hodgeman County, Kansas API # 15-083-21898-0000

Drilling Contractor:

Pickrell Drilling Co. Inc. Rig #1

Geologist:

Jason T Alm

Spud Date:

September 30, 2013

Completion Date:

October 7, 2013

Elevation:

2214' Ground Level 2224' Kelly Bushing

Directions:

Hanston KS, 7 Mi. North on NE 228 Rd. to X Rd.

1 ½ mi. West, North into location.

Casing:

220' 8 5/8" surface casing

Samples:

10' wet and dry, 4000' to RTD

Drilling Time:

3600' to RTD

Electric Logs:

None

Drillstem Tests:

None

Problems:

Samples were very shaly throughout the well.

Remarks:

There were no oil shows throughout the well.

ALLIED OIL & GAS SERVICES, LLC 061929

SERVICE POINT:

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SOUTI	HLAKE, TEXAS 760				CopeOTI	Bensits
DATE 10-2-13	SEC. 9 TWP. 2/5	RANGE 22	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
			· · · · · · · · · · · · · · · · · · ·	01220	COUNTY	STATE
LEASE/301. 1ºC OLD OR NÉW(C	WELL# 49		16 Nou Nou		Hodgenau	<u> </u>
OLD OK NEW (C	o /	· ·	BW Sing	D	_	
CONTRACTOR	Prefrell Pril	11ing #1	OWNER			
TYPE OF JOB	Surface					
HOLE SIZE	T.D		CEMENT	RDERED 150	5ks (1	1 1
CASING SIZE Z		PTH 220,08		Defroise 1	() $()$ $()$ $()$ $()$ $()$ $()$ $()$	d-57 /7)
TUBING SIZE DRILL PIPE L	17	PTH PTH		24 1g 21		
TOOL		PTH				
PRES. MAX		NIMUM	COMMON_	150	@ 17-40	Z. 682.
MEAS. LINE		OE JOINT	POZMIX _	3	_@	7. 70
CEMENT LEFT I	N CSG. 15 G		GEL	3	@ 23.4	320.00
PERFS.	- 20/1/1	Calland	CHLORIDE	<u> </u>	@_ 	5 201
DISPLACEMENT			ASC			
	EQUIPMENT		44.		^	
	- n.	47th Chamba				
PUMPTRUCK # 393	CDITALITY		<u> </u>		@	
# 575 BULK TRUCK	HELPER MY KE	7/2/2/2/2				
# 609-112	DRIVER Kern	Welobous			@	
BULK TRUCK	DRIVER FORF	co ig s			@	- A
#	DRIVER		— HANDLING	162.09	@ 2.48	401.98
			MILEAGE	7.4 x 40 x	2.60	769.65
	REMARKS:				TOTA	L 4.246.
0 511/	Creshugar A	. / /				
1 1/2 1505	KS Cement	0092	unitary www.	SERV	'ICE	
10401-68	13.06 6615	Broshugger		,	E	
gli vi			DEPTH OF			25
Cenery D	of ancilar	e		ICK CHARGE		<u> </u>
plug Poins	2100 Ah		EXTRA FO		@ @ 7.70	308.00
- prop Du	√ \					
			— MANIFOL	LVM 40	@4.40	176.00
OV L D OF TO	Dr Great	Take				00.3
CHARGE TO: _	N S OP 191	77-9	-		TOTA	AL 1.996. 3
STREET						
CITY	STATE	ZIP		PLUG & FLO	AT EQUIPM	ENT
			400		@	
					@	
		C		4 -	@	
To: Allied Oil	& Gas Services, LL	U. antina aquinma	ant		@	
You are hereby	requested to rent co	emenung equipme	r —		@	
and furnish cer	menter and helper(s) o work as is listed.	The above work v	vas			
done to satisfa	o work as is listed. ction and supervisio	n of owner agent	or		TOT	AL
contractor I h	ave read and unders	tand the "GENER	Δ1.	*****		
TERMS AND	CONDITIONS" list	ted on the reverse	side.	XX (If Any)	M3 03	3
1 22/1/10/11/10	10	K-11	TOTAL CI	HARGES 6.3	13.50	PAID IN 30 DAY
	- N/1/	LeKe	A DISCOUN	JT (. ~	10 . g	PAID IN 30 DAY
PRINTED NAM	AE/	1 .1	Discoon	1100	11 47	2
	Mal	11 -1/		4.74	7	=
SIGNATURE _	7	Ky /m				
	VII 1	rall				
	/ lant	OVICT				
	-					