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. 2/9	RANGE 22	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 2630	
LEASE BOLLE	WELL# 1-9		Gran Non	R1228	COUNTY	STATE	
OLD OR NEW (Ci		1	12W 5:200		1	t.	
CONTRACTOR	Pretirell Poll	,	OWNER				
TYPE OF JOB HOLE SIZE /	JUN T.D.		CEMENT				
CASING SIZE Z		TH 226,08	AMOUNT OF	RDERED 150	5ks Cla	155 A	
TUBING SIZE	y	PTH .	- 3/200	Yrgel			
	·	PTH	1				
TOOL		PTH		150	~ 17 90	2.685.00	
PRES. MAX		NIMUM	_ COMMON_	730	@ 772.0	2.000	
MEAS. LINE		DE JOINT	_ POZMIX _	3	@ 23.40	70.20	
CEMENT LEFT IN	N CSG. 15 G		GEL CHLORIDE	5	@ 64.00	320.00	
PERFS. DISPLACEMENT	13.06.65/5	Greshi agres	_ ASC	<u> </u>	@		
DISPLACEMENT		10-10-1-1			@		
	EQUIPMENT				@		
21 - 11 - 9 - 90 - 11 - 12 - 12 - 12 - 12 - 12 - 12 - 1	<u> </u>						
PUMPTRUCK	CDITALITY	orth Chamba	3		@		
# 393	HELPER MY FE	Stollow			@		
BULK TRUCK	V	. (0.4. (@		
#609-112	DRIVER Kevin	Wardran			@		
BULK TRUCK	224122	,			@	401.98	
#	DRIVER		— HANDLING	162.09	@ 2.48	701	
			MILEAGE _	7.4 1 40 1	2.60	769.99	
	REMARKS:				TOTA	L 4.246.	
Duran 5666	Gestinger A	log					
1 2/1/2/505	KS Comput			SERV	ICE		
10,401-10	13.06 6615	Prostugger					
961 71			DEPTH OF.	JOB		3.5	
Cenery DA	or correlar	e		CK CHARGE	1512.	20	
Plug Pour	2100 Ah			OTAGE	@	308.00	
alo De	^			Hum 40	Company Commencer Commence	308.	
1 7			— MANIFOLD	VM 40	@	176.00	
				LVM 40	@ <u></u> @		
	0.						
CHARGE TO: _	DK Operat	TNO			mom.	L1.996. 25	
		,			1012	11 7.7.4	
STREET							
CITY	STATE	ZIP		PLUG & FLO	AT EQUIPMI	ENT	
					@		
		~	***************************************	4 -			
To: Allied Oil &	& Gas Services, LLO	J.			@		
You are hereby	requested to rent co	ementing equipme	III.	il cons	@		
and furnish cen	nenter and helper(s)	to assist owner or	5 <u>1</u> 2				
contractor to do	o work as is listed.	The above work w	as		TOTA	AL	
done to satisfac	ction and supervisio	n of owner agent o	A T				
contractor. I ha	ave read and unders	tand the GENER.	SALES TA	X (If Any) ———		>	
TERMS AND	CONDITIONS" list	ed on the reverse s	TOTAL CH	IAPCES 6.2	43.95	AID IN 30 DAYS	
	M/1	(01/2	Λ ,	7. 2	48.00		
PRINTED NAM	IE & / 1//	15 KE	DISCOUN'	T	IF P	AID IN 30 DAYS	
* **** * * *** * * * * * * * * * * * *	1 - 3	1 211		L1 90	y. 42	2	
	~ Mhs	11 -1/2		7.11	7 :	_	
SIGNATURE _	1	Put Tick					
	The KI	anlh					
	1 1900	00161					