



Confidentiality Requested:

Yes No

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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: _____

1114756

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Croft Farms 3407 27-1H
Doc ID	1114756

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5551 - 5800	155610 gals fluid; 59179# proppant	
6	5912 - 6161	156240 gals fluid; 76232# proppant	
6	6270 - 6522	156828 gals fluid; 66646# proppant	
6	6634 - 6878	164514 gals fluid; 77729# proppant	
6	6995 - 7243	98784 gals fluid; 26376# proppant	
6	7356 - 7518	67284 gals fluid; 11254# proppant	
6	7636 - 7884	186144 gals fluid; 76180# proppant	
6	7997 - 8240	119658 gals fluid; 44773# proppant	
6	8358 - 8606	167874 gals fluid; 76251# proppant	

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	Croft Farms 3407 27-1H
Doc ID	1114756

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	26	18	47.76	60	1/2 Portland cement	30	15% Fly Ash
Surface	12.25	9.625	36	500	Class C	325	See attached
Intermediate	8.75	7	23	5202	Class C	250	See attached
Liner	6.125	4.5	11.6	9777	Class H	385	See attached

SHELL GULF OF MEXICO, INC. (34574)

Croft Farms 3407-27

PETE MARTIN DRILLING (34645)
(SET THE CONDUCTOR)

1-H Conductor

1-H Mouse Hole

Call in DATE OF SPUD

6/12/2012

spud in date

6/13/2012

T.D date

Size Hole Drilled

26"

20"

Size Casing Set (in O.D)

18'

14"

conductor wall thickness

250

188

Weight Lbs./Ft.

47.76

27.76

Setting Depth

60"

77'

Type of Cement

Type 1/2 Pottland Cement

type 1/2 portland cement

Cubic yards of cement

5 cy

5 cy

2500 PSI Grout Mix

Yes

yes

Type and Percent of Additives

15% Fly Ash

15% fly ash

Comments

0-9' Clay 9'-30'Hard Clay 30'-35'
 Sand Stone 35'-60' hard clay
 Water@40'

0-9' clay 9'-30' hard clay 30'-35'
 sand stone 35'-77' hard clay

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 20-NOV-12	F.R. # 1001949052	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME CROFT FARMS 3407 #27-1H - API 1507721843000	LOCATION 27-34S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		TYPE OF JOB Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Provided by customer						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES					
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
water spacer			8.34				20
Class C + .25pps Celloflake		325	14.8	1.35	6.34	02:45	78
Water			8.34				37.25
Available Mix Water <u>300</u> Bbl.		Available Displ. Fluid <u>240</u> Bbl.		TOTAL			135.25
							48.97

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		510	8.921	9.625	36	CSG	500	500	K-55			

LAST CASING					PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
18.	18	47.		60	60					9.625	8RD	WATER BASED MU	9

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	MIX WATER
37.3	BBLS	Water	8.34	150					2816	1500	Frac Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location @ 1200, Rig up Casers, Running Casing

PRESSURE/RATE DETAIL						EXPLANATION					
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>					
	PIPE	ANNULUS				TEST LINES 3500 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
12:00						Arrive on location					
15:33	3500				WATER	test pumps & lines					
15:37	30		3		WATER	open well/start water ahead					
15:45	85		3	20	WATER	end water spacer/start slurry 14.8ppg					
16:09	130		4	78	SLURRY	end slurry/shutdown					
16:12	96		3		WATER	drop TRP/start displacement/ cement return to surface					
16:32	782		3	37.25	WATER	bump plug/ shutdown/ conduct casing test					
16:37	0			-125		check float/ holding/ bbls back					
						37 bbls of cement return to surface					
						Thanks for Using BHI Pressure Pumping					
						Jonathan Schulz & Crew					

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	780	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	37	135.25	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 06-DEC-12	F.R. # 1001951380	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME CROFT FARMS 3407 #27-1H- API 1507721843000	LOCATION 27-34S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #	TYPE OF JOB Intermediate	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	Provided by Customer						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
SealBond Spacer			8.5				40	
C15:85:8 +4pps KolSeal+ 10% Salt +.6% SMS +.25pps		105	12.4	2.45	13.51	00:05	44	32.44
C50:50:2 + 4pps Kolseal + 5%Salt+ .25pps Celloflak		145	14.2	1.32	5.66	03:45	31	17.77
water			8.34				203	

Available Mix Water <u>400</u> Bbl.	Available Displ. Fluid <u>300</u> Bbl.	TOTAL	<u>318</u>	<u>50.21</u>
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HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		5216	6.366	7	23	CSG	5202	4766	L-80			

LAST CASING				PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.9	9.625	36	CSG	500	500			4600	4600	7	8RD	WATER BASED MU	9.5

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
203	BBLS	water	8.34	605					4500	3000	frac tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location @ 1200, Trouble running Casing, Washing down,

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4365 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:00						Arrive on location	
18:20				40	SPACER	rig pumps sealbond spacer	
18:39	4365				WATER	test pumps & lines	
18:40	156		3		LEAD	open well/start lead slurry @12.4ppg	
18:57	141		3	44	LEAD	end lead start tail slurry@ 14.2ppg	
19:07	345		3	31	TAIL	end tail slurry/ shutdown	
19:08	53		2		WATER	drop TRP/start displacement	
20:11	2126		3	203	WATER	bump plug/shutdown/ conduct casing test	
20:33	0			-1.75		end test/ check floats/ holding/ bbls back	
						calculated top of tail 4367'	
						calculated top of lead 3164'	
						Thanks for using BHI Pressure Pumping	
						Jonathan Schulz & Crew	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	318	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 02-JAN-13	F.R. # 1001955327	SERV. SUPV. Justin D Stamper
LEASE & WELL NAME CROFT FARMS 3407 #27-1H - API 1507721843000	LOCATION 27-34S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		TYPE OF JOB Liner

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	No Shoe, Cust Sup						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES					
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY
SealBond Spacer			8.45				40
50:50(H/POZ)+3%SALT+.5%FL52+.6%SMS+.5%FL52		385	14.3	1.24	5.54	03:30	85 50.58
Displacement			8.34				124
H2O TO REVERSE OUT			8.34				117
Available Mix Water <u>250</u> Bbl.		Available Displ. Fluid <u>250</u> Bbl.		TOTAL			<u>366</u> 50.58

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125		9777	1	4.5	11.6	CSG	5223		P-110			
			2.563	4	28.9	DP	4558		S-135			

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID		
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
6.4	7	23		5216	5216						4	XO	WATER BASED MU	8.6

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	RIG
132	BBLS	Displacement H2O TO REVERSE O	8.34 8.34	900	723				8552		

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input checked="" type="checkbox"/>	
14:30						ARRIVE ON LOCATION	
						SAFETY MEETING	
				40	SEALBOND	RIG TO PUMP SPACER	
22:18	5900				WATER	TEST LINES, START SLURRY	
22:44	400		4	87	SLURRY	FINISH SLURRY, SHUT DOWN WASH UP, DROP PLUG	
22:59	1800		8	37	WATER	SLOW TO SHEER DART	
23:00	800		3	1	WATER	SHEER PLUG PICK UP RATE	
23:18	700		4	82	WATER	SLOW TO BUMP PLUG	
23:18	700		3	4	WATER	BUMP PLUG, PRESSURE TO 3800	
						FLOAT HOLDING	
23:35		4500				PRESSURE UP BACK SIDE	
23:40		0				BLEED OFF	
23:51						START REVERSE OUT	
00:13	500			117	WATER	FINISH REVERSE OUT	
						THANK YOU FOR USING BHI	
						JUSTIN STAMPER AND CREW	

CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input checked="" type="checkbox"/>	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	3800	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	366	0	Y <input checked="" type="checkbox"/> N	

Shell Exploration & Production Co. Inc.

Harper Co. KS (NAD-27)

Sec 27-T34S-R07W

Croft Farms 3407 #27-1H

API# 15-007-23927-01-00/ Job# 9858074/ Nabors 180

Wellbore #1

Survey: Survey #1

Sperry Drilling Services

Standard Report With Distance & X, Y Offsets to Plan

03 January, 2013

Well Coordinates: 145,105.97 N, 2,128,613.87 E (37° 03' 51.63" N, 098° 03' 33.29" W)

Ground Level: 1,385.00 ft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Centered on Well Croft Farms 3407 #27-1H

WELL @ 1408.0ft (Original Well Elev+23'KB)

N

Grid

API - US Survey Feet

Version: 2003.21 Build: 46

HALLIBURTON

HALLIBURTON**Survey Report for Croft Farms 3407 #27-1H - Survey #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Toolface Azimuth (°)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Distance to Plan (ft)	Y Offset to Plan (ft)	X Offset to Plan (ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.0	0.74	355.20	147.0	0.9	-0.1	0.9	0.50	355.20	0.50	0.00	0.00	0.00	0.00
209.0	1.19	359.57	209.0	2.0	-0.1	2.0	0.73	11.48	0.73	7.05	0.00	0.00	0.00
241.0	1.58	355.45	241.0	2.8	-0.2	2.8	1.26	-16.39	1.22	-12.88	0.00	0.00	0.00
272.0	2.30	2.24	272.0	3.8	-0.2	3.8	2.43	21.12	2.32	21.90	0.00	0.00	0.00
301.0	2.90	4.75	300.9	5.1	-0.1	5.1	2.11	12.00	2.07	8.66	0.00	0.00	0.00
332.0	3.20	1.51	331.9	6.8	0.0	6.8	1.12	-31.51	0.97	-10.45	0.00	0.00	0.00
363.0	3.67	15.50	362.8	8.6	0.3	8.6	3.09	67.82	1.52	45.13	0.00	0.00	0.00
394.0	3.79	4.25	393.8	10.6	0.6	10.6	2.39	-86.33	0.39	-36.29	0.00	0.00	0.00
425.0	3.92	4.00	424.7	12.6	0.8	12.6	0.42	-7.49	0.42	-0.81	0.00	0.00	0.00
550.0	4.58	4.48	549.4	21.9	1.5	21.8	0.53	3.32	0.53	0.38	0.00	0.00	0.00
611.0	5.96	12.96	610.1	27.4	2.4	27.3	2.59	33.71	2.26	13.90	0.00	0.00	0.00
705.0	4.75	0.89	703.7	36.0	3.5	36.0	1.75	-142.95	-1.29	-12.84	0.00	0.00	0.00
798.0	3.08	342.42	796.5	42.3	2.8	42.2	2.23	-151.92	-1.80	-19.86	0.00	0.00	0.00
892.0	1.14	347.95	890.4	45.6	1.9	45.6	2.07	176.77	-2.06	5.88	0.00	0.00	0.00
984.0	0.59	359.72	982.4	47.0	1.7	46.9	0.63	167.92	-0.60	12.79	0.00	0.00	0.00
1,077.0	0.70	338.88	1,075.4	48.0	1.5	47.9	0.28	-75.54	0.12	-22.41	0.00	0.00	0.00
1,268.0	0.09	267.67	1,266.4	49.1	0.9	49.0	0.35	-172.76	-0.32	-37.28	0.00	0.00	0.00
1,457.0	0.04	145.72	1,455.4	49.0	0.8	49.0	0.06	-163.02	-0.03	-64.52	0.00	0.00	0.00
1,647.0	0.22	109.26	1,645.4	48.8	1.2	48.8	0.10	-43.67	0.09	-19.19	0.00	0.00	0.00
1,836.0	0.13	112.25	1,834.4	48.6	1.7	48.6	0.05	175.70	-0.05	1.58	0.00	0.00	0.00
2,026.0	0.14	154.54	2,024.4	48.3	2.0	48.3	0.05	105.67	0.01	22.26	0.00	0.00	0.00
2,216.0	0.31	99.41	2,214.4	48.0	2.6	48.0	0.14	-81.67	0.09	-29.02	0.00	0.00	0.00
2,406.0	0.38	144.57	2,404.4	47.4	3.5	47.4	0.14	98.87	0.04	23.77	0.00	0.00	0.00
2,595.0	0.56	91.56	2,593.4	46.9	4.8	46.8	0.24	-95.50	0.10	-28.05	0.00	0.00	0.00
2,785.0	0.31	36.89	2,783.4	47.3	6.0	47.2	0.24	-146.40	-0.13	-28.77	0.00	0.00	0.00
2,975.0	0.28	4.98	2,973.4	48.2	6.4	48.0	0.09	-116.04	-0.02	-16.79	0.00	0.00	0.00
3,165.0	0.99	332.28	3,163.3	50.1	5.6	50.0	0.40	-44.04	0.37	-17.21	0.00	0.00	0.00
3,354.0	0.62	3.59	3,352.3	52.5	4.9	52.4	0.30	145.01	-0.20	16.57	0.00	0.00	0.00
3,544.0	0.60	35.47	3,542.3	54.4	5.6	54.3	0.18	109.22	-0.01	16.78	0.56	-0.12	-0.54
3,733.0	0.47	148.18	3,731.3	54.5	6.6	54.4	0.47	150.98	-0.07	59.64	2.51	-2.51	0.05
3,923.0	1.26	210.42	3,921.3	52.1	5.9	51.9	0.59	84.01	0.42	32.76	6.65	-5.41	3.87
4,112.0	0.35	77.27	4,110.3	50.4	5.4	50.3	0.80	-170.33	-0.48	-70.45	10.33	2.30	-10.07
4,144.0	0.43	128.17	4,142.3	50.3	5.6	50.2	1.07	103.29	0.25	159.06	10.73	-6.74	-8.35
4,175.0	0.56	68.97	4,173.3	50.3	5.9	50.2	1.62	-106.58	0.42	-190.97	11.09	3.65	-10.47
4,207.0	0.64	23.07	4,205.3	50.6	6.1	50.4	1.48	-104.00	0.25	-143.44	11.22	10.09	-4.90
4,238.0	2.02	25.73	4,236.3	51.2	6.4	51.1	4.45	3.89	4.45	8.58	10.92	9.45	-5.48

HALLIBURTON**Survey Report for Croft Farms 3407 #27-1H - Survey #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Toolface Azimuth (°)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Distance to Plan (ft)	Y Offset to Plan (ft)	X Offset to Plan (ft)
4,270.0	4.59	15.29	4,268.2	52.9	7.0	52.8	8.22	-18.43	8.03	-32.63	10.16	9.34	-4.01
4,301.0	8.03	8.00	4,299.0	56.3	7.6	56.1	11.37	-16.75	11.10	-23.52	9.48	8.88	-3.33
4,333.0	12.31	5.26	4,330.5	61.9	8.2	61.7	13.46	-7.80	13.38	-8.56	8.42	7.67	-3.46
4,364.0	15.49	3.71	4,360.6	69.3	8.8	69.1	10.33	-7.43	10.26	-5.00	7.21	6.12	-3.82
4,396.0	18.23	1.91	4,391.2	78.6	9.2	78.4	8.72	-11.65	8.56	-5.63	6.22	4.63	-4.16
4,428.0	20.08	1.29	4,421.4	89.1	9.5	88.9	5.82	-6.57	5.78	-1.94	5.78	3.56	-4.56
4,459.0	22.52	359.57	4,450.3	100.3	9.6	100.1	8.12	-15.17	7.87	-5.55	5.69	3.14	-4.74
4,491.0	25.17	357.16	4,479.6	113.3	9.2	113.1	8.82	-21.29	8.28	-7.53	5.46	3.09	-4.50
4,522.0	27.97	358.12	4,507.3	127.1	8.6	126.9	9.14	9.15	9.03	3.10	5.22	3.01	-4.27
4,554.0	30.96	0.04	4,535.2	142.9	8.4	142.7	9.80	18.37	9.34	6.00	5.36	3.01	-4.44
4,586.0	33.44	0.98	4,562.3	159.9	8.6	159.7	7.91	11.82	7.75	2.94	6.00	3.32	-5.00
4,617.0	36.39	0.77	4,587.7	177.7	8.8	177.4	9.52	-2.42	9.52	-0.68	6.87	3.92	-5.64
4,649.0	39.54	0.93	4,612.9	197.3	9.1	197.1	9.85	1.85	9.84	0.50	7.83	4.56	-6.37
4,681.0	43.07	1.55	4,636.9	218.4	9.6	218.2	11.11	6.85	11.03	1.94	8.90	5.06	-7.32
4,712.0	46.24	0.91	4,659.0	240.2	10.1	240.0	10.33	-8.31	10.23	-2.06	9.91	5.53	-8.21
4,744.0	49.21	0.44	4,680.5	263.9	10.3	263.6	9.34	-6.84	9.28	-1.47	10.81	6.04	-8.97
4,776.0	52.38	0.17	4,700.7	288.7	10.5	288.4	9.93	-3.86	9.91	-0.84	11.65	6.58	-9.61
4,807.0	56.23	0.03	4,718.8	313.9	10.5	313.6	12.42	-1.73	12.42	-0.45	12.29	6.88	-10.18
4,839.0	60.42	0.61	4,735.6	341.1	10.7	340.8	13.18	6.87	13.09	1.81	12.79	6.61	-10.95
4,870.0	64.06	1.03	4,750.0	368.5	11.1	368.2	11.80	5.93	11.74	1.35	13.33	5.94	-11.93
4,902.0	67.61	0.51	4,763.1	397.7	11.4	397.4	11.19	-7.72	11.09	-1.63	13.87	5.06	-12.91
4,934.0	71.22	359.48	4,774.4	427.7	11.4	427.3	11.68	-15.14	11.28	-3.22	14.09	3.99	-13.52
4,965.0	75.74	358.80	4,783.2	457.4	11.0	457.0	14.73	-8.31	14.58	-2.19	13.91	2.40	-13.70
4,997.0	79.81	358.43	4,790.0	488.6	10.2	488.3	12.77	-5.12	12.72	-1.16	13.63	0.08	-13.63
5,029.0	82.92	358.16	4,794.8	520.2	9.3	519.9	9.75	-4.93	9.72	-0.84	13.61	-2.47	-13.39
5,060.0	85.19	358.06	4,798.0	551.1	8.3	550.8	7.33	-2.51	7.32	-0.32	13.87	-4.71	-13.05
5,092.0	86.95	358.80	4,800.2	583.0	7.4	582.7	5.96	22.78	5.50	2.31	14.37	-6.39	-12.87
5,123.0	87.69	358.80	4,801.6	613.9	6.8	613.7	2.39	0.00	2.39	0.00	14.67	-6.96	-12.91
5,155.0	88.68	358.87	4,802.7	645.9	6.1	645.6	3.10	4.04	3.09	0.22	14.44	-6.35	-12.97
5,257.0	91.35	359.04	4,802.6	747.9	4.2	747.6	2.62	3.64	2.62	0.17	14.81	-6.37	-13.37
5,350.0	89.91	359.29	4,801.6	840.9	2.9	840.6	1.57	170.15	-1.55	0.27	15.90	-7.40	-14.07
5,444.0	90.12	359.77	4,801.6	934.9	2.1	934.6	0.56	66.37	0.22	0.51	17.08	-7.42	-15.38
5,537.0	89.51	359.34	4,801.9	1,027.9	1.4	1,027.6	0.80	-144.82	-0.66	-0.46	18.18	-7.12	-16.72
5,631.0	88.12	358.64	4,803.8	1,121.8	-0.3	1,121.6	1.66	-153.28	-1.48	-0.74	17.92	-5.18	-17.15
5,723.0	89.32	358.37	4,805.9	1,213.8	-2.7	1,213.6	1.34	-12.68	1.30	-0.29	17.08	-3.12	-16.79
5,816.0	90.19	358.36	4,806.3	1,306.7	-5.3	1,306.5	0.94	-0.66	0.94	-0.01	16.42	-2.73	-16.20
5,911.0	89.97	358.34	4,806.1	1,401.7	-8.1	1,401.5	0.23	-174.81	-0.23	-0.02	15.83	-2.86	-15.57
6,006.0	90.25	358.34	4,806.0	1,496.6	-10.8	1,496.5	0.29	0.00	0.29	0.00	15.23	-3.04	-14.92
6,101.0	90.77	358.33	4,805.1	1,591.6	-13.6	1,591.5	0.55	-1.10	0.55	-0.01	14.78	-3.89	-14.26

HALLIBURTON**Survey Report for Croft Farms 3407 #27-1H - Survey #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Toolface Azimuth (°)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Distance to Plan (ft)	Y Offset to Plan (ft)	X Offset to Plan (ft)
6,196.0	90.00	357.83	4,804.5	1,686.5	-16.7	1,686.5	0.97	-147.00	-0.81	-0.53	13.94	-4.53	-13.19
6,291.0	90.68	358.27	4,803.9	1,781.5	-20.0	1,781.5	0.85	32.90	0.72	0.46	13.09	-5.09	-12.06
6,386.0	89.72	358.21	4,803.6	1,876.4	-22.9	1,876.5	1.01	-176.42	-1.01	-0.06	12.48	-5.42	-11.25
6,481.0	90.65	358.55	4,803.3	1,971.4	-25.6	1,971.5	1.04	20.08	0.98	0.36	12.11	-5.73	-10.67
6,576.0	86.85	359.76	4,805.3	2,066.3	-27.0	2,066.5	4.20	162.35	-4.00	1.27	11.94	-3.66	-11.37
6,670.0	88.49	358.32	4,809.2	2,160.2	-28.6	2,160.4	2.32	-41.29	1.74	-1.53	11.88	0.17	-11.88
6,765.0	88.40	356.61	4,811.7	2,255.1	-32.8	2,255.3	1.80	-93.04	-0.09	-1.80	10.16	2.75	-9.78
6,860.0	89.07	357.16	4,813.8	2,349.9	-37.9	2,350.2	0.91	39.38	0.71	0.58	8.28	4.84	-6.72
6,955.0	90.25	357.64	4,814.4	2,444.8	-42.2	2,445.2	1.34	22.14	1.24	0.51	7.04	5.41	-4.52
7,050.0	91.20	358.16	4,813.2	2,539.8	-45.7	2,540.2	1.14	28.69	1.00	0.55	5.25	4.20	-3.14
7,145.0	88.28	359.45	4,813.6	2,634.7	-47.7	2,635.2	3.36	156.17	-3.07	1.36	5.67	4.63	-3.27
7,239.0	88.58	359.38	4,816.2	2,728.7	-48.7	2,729.1	0.33	-13.13	0.32	-0.07	8.44	7.21	-4.39
7,334.0	90.25	358.22	4,817.2	2,823.7	-50.6	2,824.1	2.14	-34.79	1.76	-1.22	9.34	8.18	-4.50
7,429.0	90.58	357.77	4,816.5	2,918.6	-54.0	2,919.1	0.59	-53.74	0.35	-0.47	8.18	7.49	-3.29
7,524.0	89.63	357.79	4,816.3	3,013.5	-57.6	3,014.1	1.00	178.79	-1.00	0.02	7.51	7.32	-1.71
7,619.0	89.10	356.80	4,817.4	3,108.4	-62.1	3,109.0	1.18	-118.17	-0.56	-1.04	8.40	8.37	0.67
7,714.0	92.94	358.05	4,815.7	3,203.3	-66.4	3,204.0	4.25	18.02	4.04	1.32	7.26	6.68	2.83
7,809.0	92.22	359.30	4,811.4	3,298.2	-68.6	3,298.9	1.52	119.94	-0.76	1.32	3.78	2.40	2.92
7,904.0	90.03	358.90	4,809.5	3,393.1	-70.1	3,393.9	2.34	-169.65	-2.31	-0.42	2.37	0.54	2.31
7,999.0	90.06	358.92	4,809.5	3,488.1	-71.9	3,488.9	0.04	33.69	0.03	0.02	2.06	0.46	2.01
8,094.0	90.62	358.67	4,808.9	3,583.1	-73.9	3,583.9	0.65	-24.06	0.59	-0.26	1.91	-0.10	1.90
8,188.0	89.48	359.38	4,808.8	3,677.1	-75.5	3,677.9	1.43	148.08	-1.21	0.76	1.43	-0.18	1.42
8,283.0	89.78	359.49	4,809.4	3,772.1	-76.4	3,772.8	0.34	20.14	0.32	0.12	0.50	0.43	0.25
8,378.0	90.31	359.22	4,809.4	3,867.1	-77.5	3,867.8	0.63	-27.00	0.56	-0.28	0.86	0.36	-0.78
8,473.0	90.65	359.48	4,808.6	3,962.1	-78.6	3,962.8	0.45	37.40	0.36	0.27	1.86	-0.44	-1.81
8,568.0	90.03	0.01	4,808.0	4,057.0	-79.0	4,057.8	0.86	139.47	-0.65	0.56	3.64	-1.00	-3.49
8,663.0	90.37	0.29	4,807.7	4,152.0	-78.7	4,152.8	0.46	39.47	0.36	0.29	6.00	-1.33	-5.85

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,706.0	4,815.8	5,194.0	-94.6	Final MWD Survey
9,777.0	4,815.1	5,264.8	-100.0	Final survey is a straight line projection to the bit

Survey Report for Croft Farms 3407 #27-1H - Survey #1

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	Croft Farms 3407 #27-1H BHL	358.81	Slot	0.0	0.0	0.0

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
147.0	9,777.0	Survey #1	MWD+SC

Targets associated with this design

Target Name	TVD (')	+N/-S (')	+E/-W (')	Shape

Directional Difficulty Index

Average Dogleg over Survey:	1.73 °/100ft	Maximum Dogleg over Survey:	14.73 °/100ft at 4,965.0 ft
Net Tortosity applicable to Plans:	0.63 °/100ft	Directional Difficulty Index:	6.259

Audit Info

North Reference Sheet for Sec 27-T34S-R07W - Croft Farms 3407 #27-1H - Wellbore #1

All data is in Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to WELL @ 1408.0ft (Original Well Elev+23'KB). Northing and Easting are relative to Croft Farms 3407 #27-1H

Coordinate System is US State Plane 1927 (Exact solution), Kansas South 1502 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -98.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:37° 16' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 1.00004592

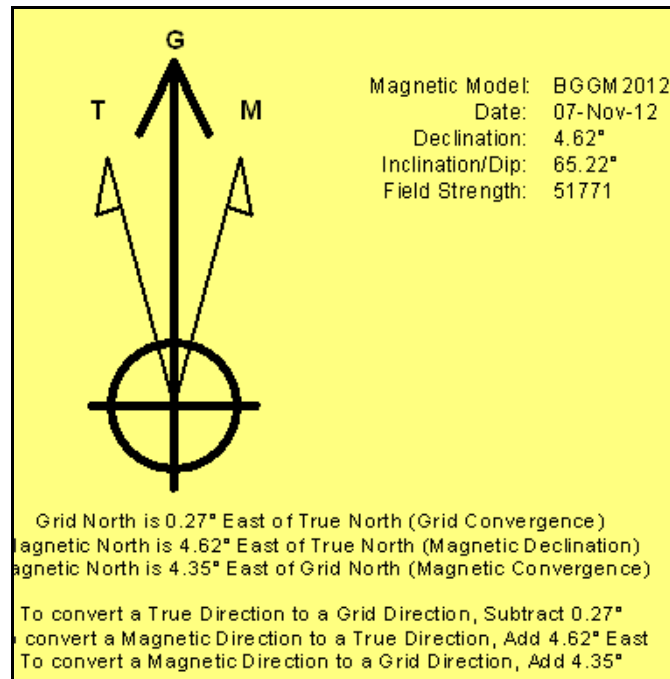
Grid Coordinates of Well: 145,105.97 ft N, 2,128,613.87 ft E

Geographical Coordinates of Well: 37° 03' 51.63" N, 098° 03' 33.29" W

Grid Convergence at Surface is: 0.27°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,663.00ft the Bottom Hole Displacement is 4,152.80ft in the Direction of 358.91° (Grid).

Magnetic Convergence at surface is: -4.35° (7 November 2012, , BGGM2012)



T34S, R7W, 6th P.M.

SGOMI

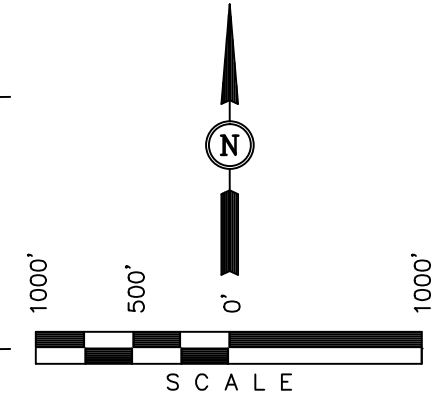
Well location, CROFT FARMS 3407 #27-1H, located as shown in the NE 1/4 NE 1/4 of Section 27, T34S, R7W, 6th P.M., Harper County, Kansas.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

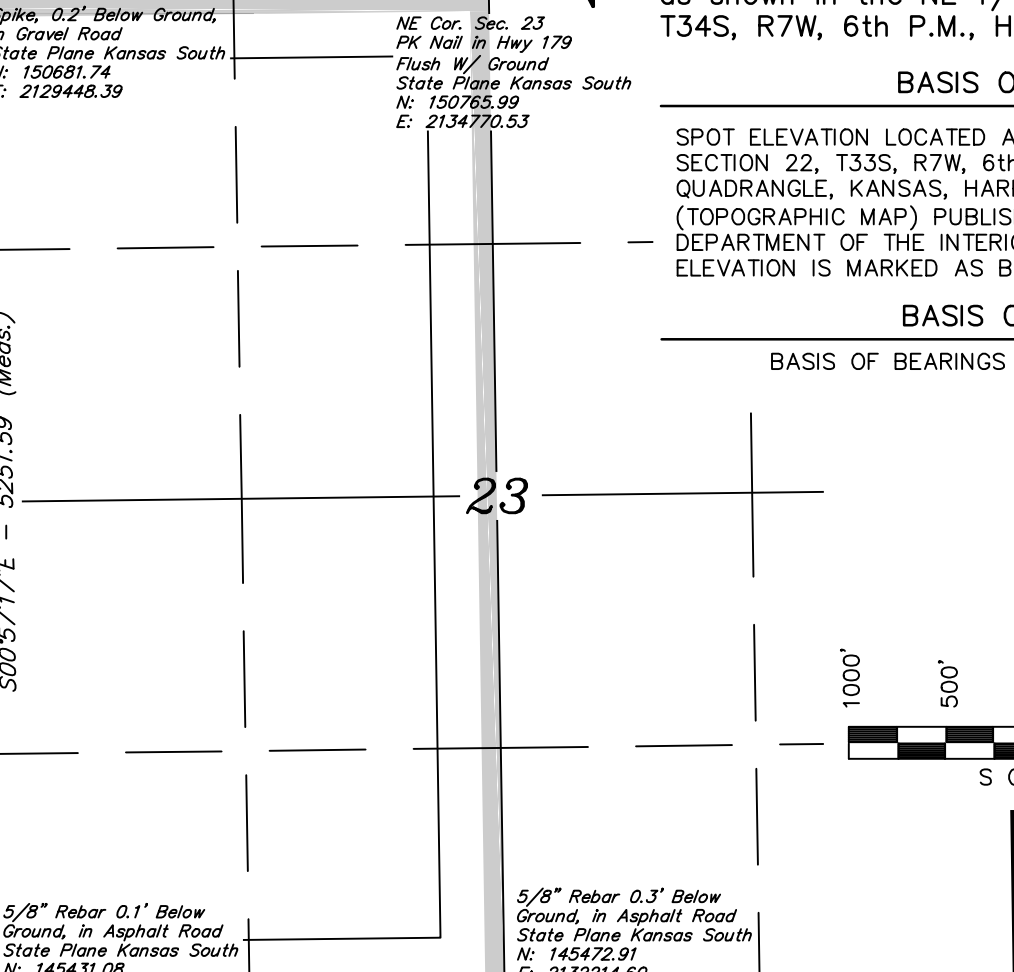
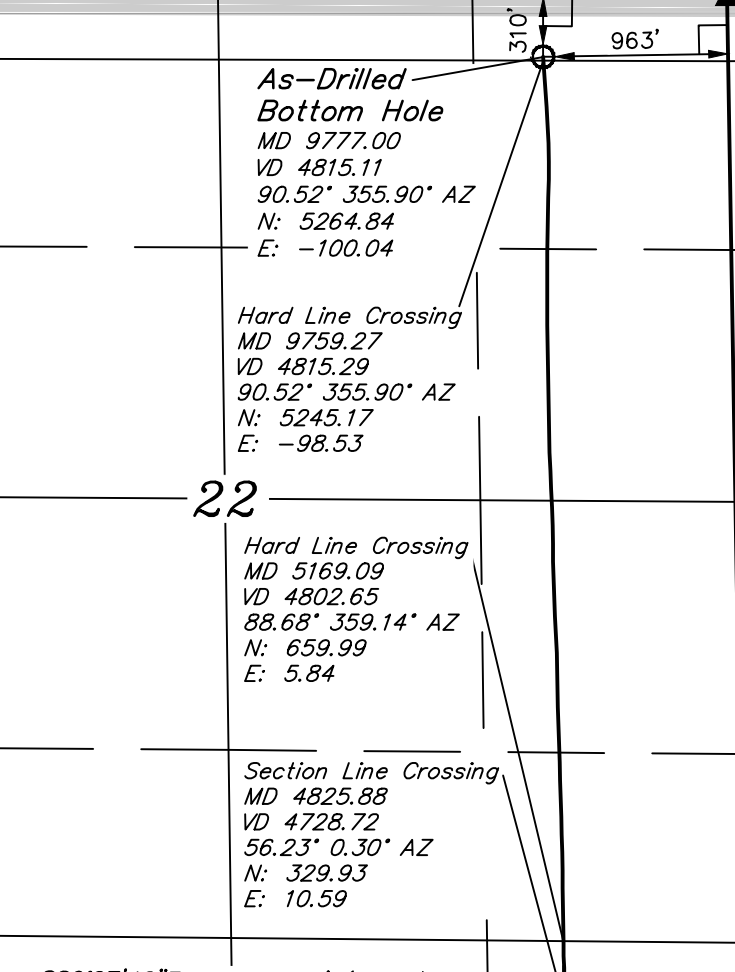
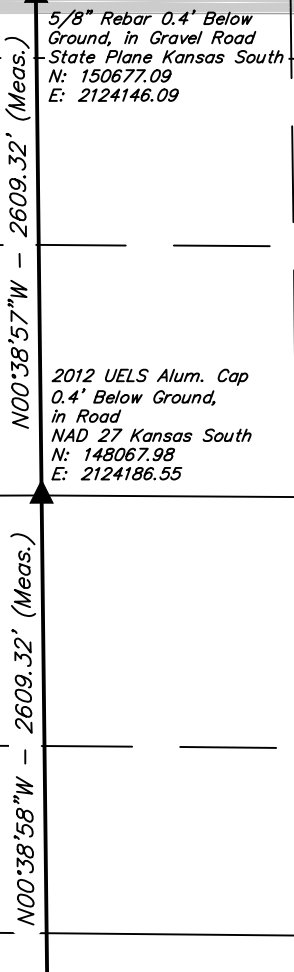
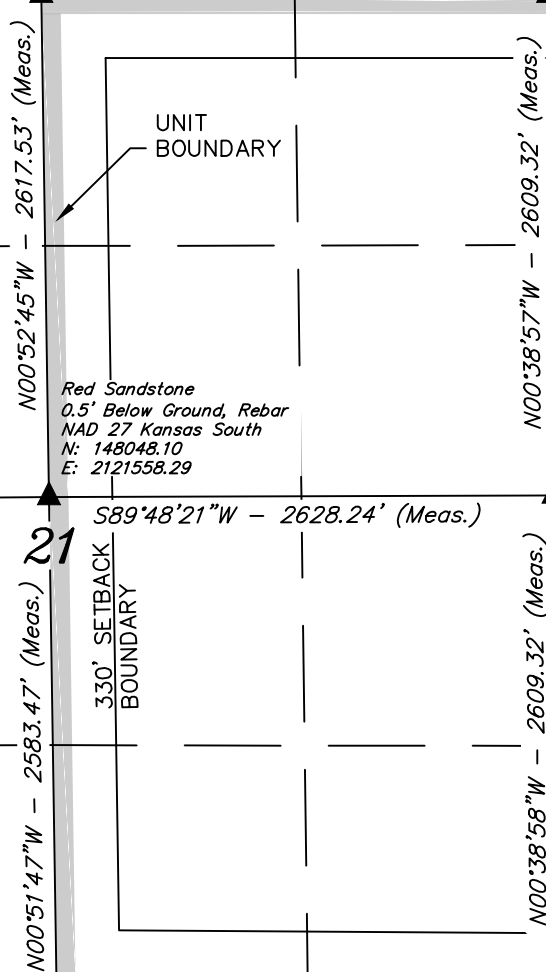


5/8" Rebar 0.3' High, Fence Post
State Plane Kansas South
N: 150665.23
E: 2121507.20

S89°58'55"W - 2638.83' (Meas.)

S89°48'39"E - 5302.12' (Meas.)

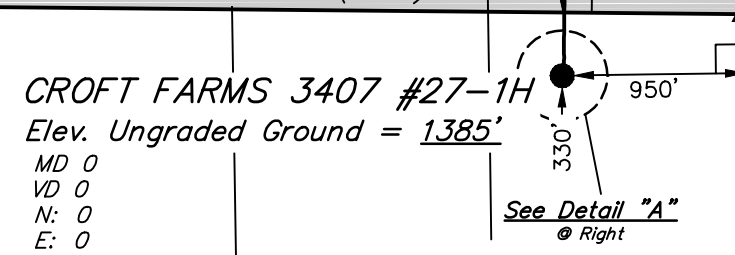
N89°19'58"E - 5322.62' (Meas.)



5/8" Rebar 0.2' Below Ground, in Gravel Road
State Plane Kansas South
N: 145465.00
E: 2121607.99

N89°37'36"W - 2618.93' (Meas.)

PK Nail in Asphalt
State Plane Kansas South
N: 145458.87
E: 2124227.01



S89°20'15"W - 2656.99' (Meas.)

S89°15'18"W - 2655.96' (Meas.)

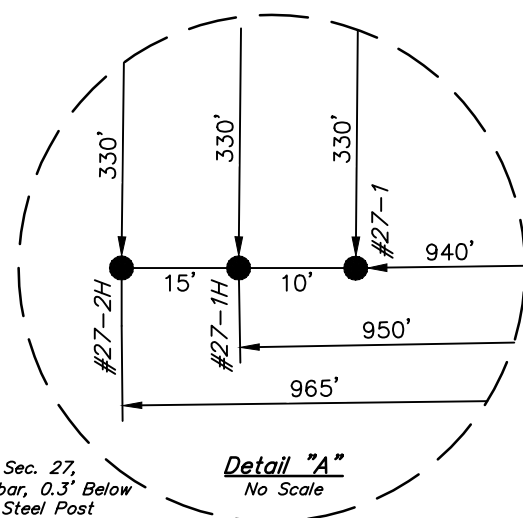
PK Nail in Hwy 179 Intersection
Flush W/ Ground
State Plane Kansas South
N: 145518.56
E: 2134870.27

- LEGEND:**
- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

NAD 83 (#27-1H SURFACE LOCATION)	
LATITUDE = 37°03'51.72" (37.064367)	LONGITUDE = 98°03'34.52" (98.059589)
NAD 27 (#27-1H SURFACE LOCATION)	
LATITUDE = 37°03'51.63" (37.064342)	LONGITUDE = 98°03'33.30" (98.059250)
STATE PLANE NAD 27 (KANSAS SOUTH)	
N: 145105.97	E: 2128613.67
NAD 83 (#27-1H AS-DRILLED BOTTOM HOLE)	
LATITUDE = 37°04'43.78" (37.078828)	LONGITUDE = 98°03'35.72" (98.059922)
NAD 27 (#27-1H AS-DRILLED BOTTOM HOLE)	
LATITUDE = 37°04'43.69" (37.078803)	LONGITUDE = 98°03'34.49" (98.059581)
STATE PLANE NAD 27 (KANSAS SOUTH)	
N: 150370.56	E: 2128491.64

SW Cor. Sec. 27,
1/2" Rebar, 0.2' Below
Ground, In Abandoned
Road Intersection
State Plane Kansas South
N: 140197.42
E: 2124344.79

SE Cor. Sec. 27,
1/2" Rebar, 0.3' Below
Ground, Steel Post
State Plane Kansas South
N: 140188.19
E: 2129654.79



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Justin L. Smith
REGISTERED LAND SURVEYOR
REGISTRATION NO. 1451
STATE OF KANSAS

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 01-17-13	DATE DRAWN: 01-31-13
PARTY L.S. J.P. C.A.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE SGOMI	

Summary of Changes

Lease Name and Number: Croft Farms 3407 27-1H

API/Permit #: 15-077-21843-01-00

Doc ID: 1114756

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Amount of Surface Pipe Set and Cemented at	0	500
Approved Date	07/06/2012	02/18/2013
CasingAdd_Type_PctPDF_1	15% Fly Ash	Attached
CasingNumbSacksUsedPDF_1	30	Attached
CasingPurposeOfStringPDF_1	Conductor	Attached
CasingSettingDepthPDF_1	60	Attached
CasingSizeCasingSetPDF_1	18	Attached
CasingSizeHoleDrilledPDF_1	26	Attached
CasingTypeOfCementPDF_1	1/2 Portland cement	Attached
CasingWeightPDF_1	47.76	Attached

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Completion Or Recompletion Date	06/14/2012	02/09/2013
Date Reached TD	06/14/2012	12/31/2012
Electric Log Run?	No	Yes
Electric Log Submitted Electronically?		Yes
Elogs_PDF		Triple Combo
Formation Top Source - Log	No	Yes
Liner Run?		Yes
Method Of Completion - Perf	No	Yes
Perf_Depth_1		Attached
Perf_Material_1		Attached
Perf_Record_1	CONDUCTOR ONLY	Attached
Perf_Shots_1		Attached
Producing Formation	CONDUCTOR ONLY	Mississippi

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production Interval #1		5551'
Production Interval #2		8606'
Purchaser's Name	CONDUCTOR ONLY	
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1086395	../../../../kcc/detail/operatorEditDetail.cfm?docID=1114756
Spud Or Recompletion Date	06/13/2012	11/19/2012
TopsDepth1		4146
TopsDepth2		4330
TopsDepth3		4440
TopsDepth4		4535
TopsDepth5		4580
TopsDepth6		4834
TopsName1	CONDUCTOR ONLY	lola
TopsName2		Hushpuckney

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
TopsName3		Marmaton
TopsName4		Pawnee
TopsName5		Cherokee
TopsName6		Mississippi
Total Depth	60	9777
Wellsite Geologist	Jack Grow	Earl Manning

Summary of Attachments

Lease Name and Number: Croft Farms 3407 27-1H

API: 15-077-21843-01-00

Doc ID: 1114756

Correction Number: 1

Attachment Name

CROFT FARMS 3407 27-1H Conductor record

CROFT FARMS 3407 27-1H Surface Cmt rpt

CROFT FARMS 3407 27-1H Int Cmt Job rpt

CROFT FARMS 3407 27-1H Liner Cmt rpt

CROFT FARMS 3407 27-1H Directional Survey

CROFT FARMS 3407 27-1H AS DRILLED plat



CONFIDENTIAL

WELL COMPLETION FORM

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	-----------------------------------------

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____