



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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

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](mailto: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
--	---

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Shell Gulf of Mexico Inc.
Well Name	HUDGENS 3307 10-2H
Doc ID	1108436

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	5348 (P-sleeve)	134418 gals fluid; 78695# proppant	5348
1	5657 (P-sleeve)	132720 gals fluid; 80444# proppant	5657
1	5961 (P-sleeve)	130074 gals fluid; 71361# proppant	5961
1	6267 (P-sleeve)	243390 gals fluid; 75122# proppant	6267
1	6614 (P-sleeve)	157206 gals fluid; 75989# proppant	6614
1	7091 (P-sleeve)	128058 gals fluid; 78314# proppant	7091
1	8001 (P-sleeve)	169344 gals fluid; 76855# proppant	8001
1	8306 (P-sleeve)	148112 gals fluid; 74615# proppant	8306
1	8652 (P-sleeve)	143304 gals fluid; 71415# proppant	8652
1	8956 (P-sleeve)	171738 gals fluid; 63039# proppant	8956

## SHELL GULF OF MEXICO, INC. (34574)

## HUDGENS 3307-10

**PETE MARTIN DRILLING (34645)**  
 (SET THE CONDUCTOR)

2-H conductor

2-H mouse Hole

Call in DATE OF SPUD

spud in date

6/28/2012

7/2/2012

T.D date

6/28/2012

7/2/2012

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"

75".5'

Type of Cement

type 1/2 portland 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

0-60' red clay 24' water seep

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 06-OCT-12	F.R. # 1001939133	SERV. SUPV. JUSTIN D STAMPER
LEASE & WELL NAME HUDGENS 3307 #10-2H - API 15077218530000	LOCATION 10-33S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Nabors 102	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	Shoe 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			8.34				20
CLAC C+2%CALC2+.25#CELLOFLK		250	14.8	1.35	6.34		59.94
Water			8.34				38
Available Mix Water <u>1000</u> Bbl.		Available Displ. Fluid <u>1000</u> Bbl.		TOTAL			117.94
							37.73

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		525	8.921	9.625	36	CSG	528	528	J-55	528	487	

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.
											9.625	8RD	WATER BASED MU	8.4

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
38	BBLS	Water	8.34	176					3105	1000	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING-ARRIVE ON LOCATION, WAIT ON RIG, RIG UP**

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 2500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
13:00						ARRIVE ON LOCATION	
07:00						SAFETY MEETING	
07:36	3500				WATER	TEST LINES, START WATER SPACER	
07:41	200		5	20	WATER	FINISH WATER, START SLURRY	
07:55	200		4	60	SLURRY	FINISH SLURRY, DROP PLUG, AND DISPLACE	
08:06	200		4	30	WATER	SLOW TO BUMP PLUG	
08:08	200		3	9	WATER	BUMP PLUG AND PRESSURE UP TO 1000 PSI	
08:14	0				WATER	BLEED OFF RECEIVED 1 BBLS BACK TO TRUCK	
						FLOATS HOLDING	
						THANK YOU FOR USING BHI	
						JUSTIN STAMPER AND 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	1000	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	38	118	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 24-OCT-12	F.R. # 1001943122	SERV. SUPV. JUSTIN D STAMPER
LEASE & WELL NAME HUDGENS 3307 #10-2H - API 15077218530000	LOCATION 10-33S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Nabors 102		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	Shoe 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
Seal bond			8.43				40	
15:85:8(POZ,C,GEL)+10%SALT+.5%SMS+4PPS KOLS		160	12.4	2.45	13.51	05:42	69	50.87
50:50:2(POZ,C,GEL)+4#KOLSL+.15%SMS+.3%FL52		85	14.2	1.32	5.66	04:35	20	11.46
water			8.34				190	
Available Mix Water <u>500</u> Bbl.		Available Displ. Fluid <u>500</u> Bbl.		TOTAL			<u>319</u>	<u>62.33</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4867	6.366	7	23	CSG	4859	4552	L-80	4859	4814	

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		500	500				4600	4600	7	8RD	WATER BASED MU	9.4

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	
190	BBLS	water	8.34	900					5072	3000	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: ARRIVE ON LOCATION, RIG UP, WAIT ON RIG**

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 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:30						ARRIVE ON LOCATION	
15:00						SAFETY MEETING	
15:20				40	SEAL BON	SEAL BOND TO BE PUMPED BY RIG	
15:49	4000				WATER	TEST LINES, START LEAD SLURRY	
16:08	200		4	69	LEAD	FINISH LEAD, START TAIL	
16:15	100		3	20	TAIL	FINISH TAIL, SHUT DOWN, DROP PLUG AND DISPLACE	
17:00	930		4	180	WATER	SLOW TO BUMP PLUG	
17:03	1000		3	11	WATER	SHUT DOWN DID NOT BUMP PLUG	
17:05						BLEED OFF RECEIVED .25 BBLS BACK TO TRUCK	
						FLOATS HOLDING	
						THANK YOU FOR USING BHI	
						JUSTIN STAMPER AND 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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	320	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

# Shell Exploration & Production Co. Inc.

Harper Co. KS (NAD-27)

Sec 10-T33S-R07W

Hudgens 3307 #10-2H

9778333

Wellbore #2

Design: Wellbore #2

## Sperry Drilling Services

# Combo Report With Grid North & True North

10 December, 2012

Surface UWI : 9778333

Well Coordinates: 187,889.00 N, 2,127,931.63 E (37° 10' 54.66" N, 098° 03' 39.22" W)

Ground Level: 1,363.00 ft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Centered on Well Hudgens 3307 #10-2H

WELL @ 1394.70ft (Nabors 102 (31.7'))

N

True

API US New

Version: 2003.21 Build: 46

**HALLIBURTON**

**Design Report for Hudgens 3307 #10-2H - Wellbore #2**

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
						Northing	Easting	Northing	Easting			
0.00	0.00	359.73	0.00	-1,394.70	0.00	0.00 N	0.00 E	187,889.00	2,127,931.63	0.00	0.00	
187.00	1.12	167.81	168.08	-1,207.71	186.99	1.79 S	0.38 E	187,887.21	2,127,932.02	0.60	1.82	
216.00	2.12	187.45	187.72	-1,178.72	215.98	2.60 S	0.36 E	187,886.40	2,127,932.01	3.90	2.62	
250.00	2.54	181.12	181.39	-1,144.75	249.95	3.97 S	0.26 E	187,885.03	2,127,931.91	1.45	3.97	
280.00	3.10	185.27	185.54	-1,114.79	279.91	5.45 S	0.17 E	187,883.56	2,127,931.82	1.99	5.42	
311.00	3.91	182.52	182.79	-1,083.85	310.85	7.34 S	0.03 E	187,881.66	2,127,931.70	2.67	7.27	
341.00	4.97	185.62	185.89	-1,053.94	340.76	9.65 S	0.15 W	187,879.35	2,127,931.53	3.62	9.54	
401.00	6.64	186.91	187.18	-994.25	400.45	15.68 S	0.85 W	187,873.32	2,127,930.85	2.79	15.41	
469.00	7.36	185.95	186.22	-926.75	467.95	23.91 S	1.81 W	187,865.08	2,127,929.93	1.07	23.43	
544.00	6.94	185.54	185.81	-852.34	542.36	33.19 S	2.79 W	187,855.80	2,127,928.99	0.56	32.49	
605.00	8.29	180.68	180.95	-791.88	602.82	41.26 S	3.24 W	187,847.73	2,127,928.59	2.45	40.42	
696.00	10.20	160.58	160.85	-702.04	692.66	55.43 S	0.70 W	187,833.57	2,127,931.19	4.09	54.81	
786.00	11.12	149.06	149.33	-613.58	781.12	70.43 S	6.34 E	187,818.60	2,127,938.30	2.57	70.63	
884.00	12.08	137.51	137.78	-517.57	877.13	86.15 S	18.05 E	187,802.94	2,127,950.09	2.56	87.81	
976.00	12.57	132.12	132.39	-427.69	967.01	100.03 S	31.92 E	187,789.12	2,127,964.02	1.36	103.47	
1,070.00	13.41	131.83	132.10	-336.10	1,058.60	114.23 S	47.56 E	187,774.99	2,127,979.73	0.90	119.69	
1,164.00	14.73	132.00	132.27	-244.92	1,149.78	129.58 S	64.49 E	187,759.72	2,127,996.73	1.40	137.21	
1,259.00	15.74	132.54	132.81	-153.26	1,241.44	146.46 S	82.88 E	187,742.93	2,128,015.20	1.07	156.46	
1,353.00	15.32	130.24	130.51	-62.69	1,332.01	163.19 S	101.68 E	187,726.29	2,128,034.07	0.79	175.62	
1,543.00	12.98	124.00	124.27	121.54	1,516.24	191.52 S	138.40 E	187,698.14	2,128,070.93	1.47	208.72	
1,732.00	14.19	128.13	128.40	305.26	1,699.96	217.86 S	174.10 E	187,671.96	2,128,106.75	0.82	239.72	
1,920.00	15.17	125.59	125.86	487.12	1,881.82	246.58 S	212.09 E	187,643.42	2,128,144.88	0.62	273.39	
2,110.00	15.57	132.93	133.20	670.34	2,065.04	278.61 S	250.83 E	187,611.58	2,128,183.77	1.04	310.43	
2,299.00	14.41	133.67	133.94	852.91	2,247.61	312.29 S	286.26 E	187,578.06	2,128,219.36	0.62	348.66	
2,487.00	14.36	132.33	132.60	1,035.01	2,429.71	344.30 S	320.26 E	187,546.21	2,128,253.51	0.18	385.04	
2,676.00	14.09	131.47	131.74	1,218.22	2,612.92	375.48 S	354.68 E	187,515.19	2,128,288.08	0.18	420.66	
2,865.00	14.51	129.38	129.65	1,401.36	2,796.06	405.91 S	390.08 E	187,484.94	2,128,323.62	0.35	455.66	
3,054.00	13.08	125.99	126.26	1,584.91	2,979.61	433.67 S	425.56 E	187,457.34	2,128,359.22	0.87	488.03	
3,148.00	12.22	121.52	121.79	1,676.63	3,071.33	445.20 S	442.59 E	187,445.89	2,128,376.31	1.39	501.79	
3,242.00	11.50	124.43	124.70	1,768.62	3,163.32	455.77 S	458.75 E	187,435.39	2,128,392.52	1.00	514.49	
3,337.00	11.49	128.22	128.49	1,861.72	3,256.42	467.05 S	473.94 E	187,424.18	2,128,407.77	0.79	527.75	
3,431.00	10.15	130.86	131.13	1,954.05	3,348.75	478.33 S	487.51 E	187,412.97	2,128,421.39	1.52	540.78	
3,526.00	9.57	136.67	136.94	2,047.64	3,442.34	489.61 S	499.21 E	187,401.75	2,128,433.14	1.21	553.56	
3,620.00	7.30	138.92	139.19	2,140.62	3,535.32	499.84 S	508.45 E	187,391.56	2,128,442.42	2.44	564.96	
3,715.00	6.31	135.23	135.50	2,234.95	3,629.65	508.13 S	516.05 E	187,383.31	2,128,450.07	1.14	574.22	
3,809.00	4.45	138.42	138.69	2,328.53	3,723.23	514.55 S	522.08 E	187,376.91	2,128,456.13	2.00	581.41	
3,903.00	3.34	135.35	135.62	2,422.32	3,817.02	519.25 S	526.40 E	187,372.24	2,128,460.47	1.20	586.65	



**Design Report for Hudgens 3307 #10-2H - Wellbore #2**

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
						Northing	Easting	Northing	Easting			
3,998.00	1.33	142.95	143.22	2,517.23	3,911.93	522.11 S	529.00 E	187,369.39	2,128,463.08	2.14	589.85	
4,029.00	1.09	142.87	143.14	2,548.22	3,942.92	522.63 S	529.39 E	187,368.87	2,128,463.47	0.77	590.42	
4,061.00	0.98	144.30	144.57	2,580.22	3,974.92	523.10 S	529.73 E	187,368.40	2,128,463.82	0.35	590.93	
4,092.00	2.77	151.95	152.22	2,611.20	4,005.90	523.98 S	530.23 E	187,367.52	2,128,464.32	5.82	591.87	
4,124.00	5.13	164.13	164.40	2,643.12	4,037.82	526.04 S	530.98 E	187,365.47	2,128,465.08	7.79	594.01	
4,155.00	8.12	166.01	166.28	2,673.91	4,068.61	529.50 S	531.87 E	187,362.01	2,128,465.99	9.67	597.56	
4,187.00	10.91	166.76	167.03	2,705.47	4,100.17	534.65 S	533.09 E	187,356.87	2,128,467.23	8.73	602.83	
4,218.00	13.68	172.34	172.61	2,735.76	4,130.46	541.15 S	534.22 E	187,350.38	2,128,468.39	9.71	609.42	
4,250.00	16.76	176.26	176.53	2,766.63	4,161.33	549.51 S	534.98 E	187,342.02	2,128,469.19	10.14	617.81	
4,281.00	19.28	177.53	177.80	2,796.11	4,190.81	559.09 S	535.45 E	187,332.44	2,128,469.71	8.23	627.36	
4,312.00	21.80	177.29	177.56	2,825.14	4,219.84	569.95 S	535.89 E	187,321.58	2,128,470.20	8.13	638.18	
4,344.00	23.97	177.15	177.42	2,854.62	4,249.32	582.38 S	536.44 E	187,309.15	2,128,470.80	6.78	650.57	
4,376.00	26.77	177.06	177.33	2,883.53	4,278.23	596.08 S	537.07 E	187,295.46	2,128,471.50	8.75	664.22	
4,407.00	29.90	177.51	177.78	2,910.81	4,305.51	610.78 S	537.69 E	187,280.76	2,128,472.19	10.12	678.87	
4,438.00	32.95	177.16	177.43	2,937.26	4,331.96	626.92 S	538.37 E	187,264.62	2,128,472.94	9.86	694.95	
4,470.00	35.96	176.54	176.81	2,963.64	4,358.34	645.00 S	539.28 E	187,246.55	2,128,473.94	9.47	712.98	
4,501.00	38.80	175.87	176.14	2,988.27	4,382.97	663.78 S	540.44 E	187,227.77	2,128,475.19	9.25	731.75	
4,533.00	41.22	175.87	176.14	3,012.78	4,407.48	684.31 S	541.83 E	187,207.25	2,128,476.67	7.56	752.27	
4,564.00	44.05	176.52	176.79	3,035.59	4,430.29	705.26 S	543.12 E	187,186.30	2,128,478.06	9.24	773.20	
4,596.00	47.75	176.83	177.10	3,057.85	4,452.55	728.21 S	544.34 E	187,163.37	2,128,479.39	11.58	796.10	
4,627.00	51.85	177.43	177.70	3,077.86	4,472.56	751.86 S	545.41 E	187,139.72	2,128,480.57	13.31	819.67	
4,659.00	56.00	177.88	178.15	3,096.69	4,491.39	777.70 S	546.34 E	187,113.89	2,128,481.63	13.02	845.39	
4,690.00	60.63	178.03	178.30	3,112.97	4,507.67	804.06 S	547.16 E	187,087.53	2,128,482.57	14.94	871.61	
4,722.00	64.90	179.05	179.32	3,127.61	4,522.31	832.50 S	547.75 E	187,059.09	2,128,483.29	13.64	899.86	
4,753.00	68.04	180.16	180.43	3,139.99	4,534.69	860.91 S	547.80 E	187,030.68	2,128,483.48	10.65	928.02	
4,784.00	71.54	179.99	180.26	3,150.70	4,545.40	890.00 S	547.63 E	187,001.59	2,128,483.44	11.30	956.81	
4,904.00	79.76	179.68	179.95	3,180.41	4,575.11	1,006.16 S	547.42 E	186,885.43	2,128,483.78	6.85	1,071.83	
4,935.00	84.00	179.07	179.34	3,184.79	4,579.49	1,036.84 S	547.61 E	186,854.75	2,128,484.12	13.82	1,102.25	
4,966.00	85.98	178.64	178.91	3,187.50	4,582.20	1,067.71 S	548.09 E	186,823.88	2,128,484.74	6.53	1,132.90	
4,996.00	88.39	178.05	178.32	3,188.97	4,583.67	1,097.67 S	548.81 E	186,793.93	2,128,485.60	8.27	1,162.67	
5,027.00	83.27	177.34	177.61	3,191.22	4,585.92	1,128.56 S	549.91 E	186,763.05	2,128,486.84	16.67	1,193.41	Start MWD
5,057.00	83.80	176.29	176.56	3,194.60	4,589.30	1,158.33 S	551.42 E	186,733.29	2,128,488.50	3.90	1,223.11	
5,086.00	87.50	172.87	173.14	3,196.80	4,591.50	1,187.12 S	554.02 E	186,704.51	2,128,491.23	17.35	1,251.98	
5,116.00	89.48	170.54	170.81	3,197.59	4,592.29	1,216.81 S	558.21 E	186,674.84	2,128,495.56	10.19	1,281.97	
5,146.00	90.52	168.84	169.11	3,197.59	4,592.29	1,246.35 S	563.44 E	186,645.32	2,128,500.93	6.64	1,311.94	
5,237.00	91.88	169.16	169.43	3,195.69	4,590.39	1,335.73 S	580.37 E	186,556.02	2,128,518.29	1.54	1,402.81	
5,327.00	90.65	169.55	169.82	3,193.70	4,588.40	1,424.24 S	596.58 E	186,467.59	2,128,534.91	1.43	1,492.70	

**Design Report for Hudgens 3307 #10-2H - Wellbore #2**

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
						Northing	Easting	Northing	Easting			
5,419.00	90.74	169.38	169.65	3,192.58	4,587.28	1,514.76 S	612.97 E	186,377.15	2,128,551.73	0.21	1,584.62	
5,510.00	89.51	170.34	170.61	3,192.39	4,587.09	1,604.41 S	628.57 E	186,287.57	2,128,567.75	1.71	1,675.56	
5,600.00	88.74	172.72	172.99	3,193.76	4,588.46	1,693.47 S	641.40 E	186,198.57	2,128,581.00	2.78	1,765.54	
5,691.00	88.06	173.80	174.07	3,196.30	4,591.00	1,783.86 S	651.65 E	186,108.24	2,128,591.68	1.40	1,856.48	
5,781.00	89.26	177.16	177.43	3,198.41	4,593.11	1,873.57 S	658.32 E	186,018.56	2,128,598.77	3.96	1,946.26	
5,873.00	89.26	178.43	178.70	3,199.59	4,594.29	1,965.51 S	661.43 E	185,926.63	2,128,602.30	1.38	2,037.75	
5,967.00	90.49	180.36	180.63	3,199.80	4,594.50	2,059.50 S	661.98 E	185,832.65	2,128,603.30	2.43	2,130.92	
6,061.00	89.85	180.20	180.47	3,199.52	4,594.22	2,153.49 S	661.07 E	185,738.65	2,128,602.84	0.70	2,223.90	
6,155.00	89.11	179.95	180.22	3,200.37	4,595.07	2,247.49 S	660.51 E	185,644.65	2,128,602.71	0.83	2,316.93	
6,250.00	88.34	179.29	179.56	3,202.49	4,597.19	2,342.46 S	660.69 E	185,549.68	2,128,603.34	1.07	2,411.03	
6,344.00	88.92	179.74	180.01	3,204.74	4,599.44	2,436.43 S	661.04 E	185,455.71	2,128,604.14	0.78	2,504.16	
6,439.00	88.74	179.49	179.76	3,206.68	4,601.38	2,531.41 S	661.23 E	185,360.73	2,128,604.78	0.32	2,598.26	
6,533.00	90.09	179.63	179.90	3,207.63	4,602.33	2,625.41 S	661.51 E	185,266.74	2,128,605.50	1.44	2,691.40	
6,627.00	90.34	180.36	180.63	3,207.28	4,601.98	2,719.40 S	661.08 E	185,172.74	2,128,605.51	0.82	2,784.45	
6,722.00	90.95	181.29	181.56	3,206.21	4,600.91	2,814.38 S	659.26 E	185,077.76	2,128,604.14	1.17	2,878.27	
6,816.00	92.53	180.99	181.26	3,203.36	4,598.06	2,908.30 S	656.95 E	184,983.83	2,128,602.27	1.71	2,970.99	
6,911.00	90.65	180.70	180.97	3,200.72	4,595.42	3,003.25 S	655.10 E	184,888.88	2,128,600.87	2.00	3,064.77	
7,005.00	91.20	181.02	181.29	3,199.21	4,593.91	3,097.21 S	653.25 E	184,794.90	2,128,599.46	0.68	3,157.60	
7,099.00	90.46	179.96	180.23	3,197.84	4,592.54	3,191.19 S	652.00 E	184,700.92	2,128,598.65	1.38	3,250.51	
7,194.00	90.03	180.21	180.48	3,197.44	4,592.14	3,286.19 S	651.41 E	184,605.92	2,128,598.51	0.52	3,344.53	
7,288.00	89.44	180.39	180.66	3,197.87	4,592.57	3,380.19 S	650.48 E	184,511.92	2,128,598.02	0.66	3,437.50	
7,382.00	91.39	181.57	181.84	3,197.19	4,591.89	3,474.15 S	648.43 E	184,417.94	2,128,596.41	2.42	3,530.30	
7,477.00	90.83	181.61	181.88	3,195.35	4,590.05	3,569.09 S	645.35 E	184,323.00	2,128,593.78	0.59	3,623.91	
7,571.00	90.37	180.41	180.68	3,194.37	4,589.07	3,663.06 S	643.25 E	184,229.02	2,128,592.12	1.37	3,716.70	
7,666.00	92.34	180.56	180.83	3,192.12	4,586.82	3,758.02 S	641.99 E	184,134.06	2,128,591.31	2.08	3,810.58	
7,761.00	92.31	180.88	181.15	3,188.27	4,582.97	3,852.92 S	640.35 E	184,039.14	2,128,590.12	0.34	3,904.37	
7,855.00	91.29	180.35	180.62	3,185.31	4,580.01	3,946.86 S	638.90 E	183,945.20	2,128,589.11	1.22	3,997.22	
7,950.00	91.45	179.96	180.23	3,183.04	4,577.74	4,041.83 S	638.20 E	183,850.22	2,128,588.86	0.44	4,091.19	
8,044.00	89.44	180.01	180.28	3,182.31	4,577.01	4,135.83 S	637.78 E	183,756.23	2,128,588.88	2.14	4,184.23	
8,138.00	90.12	180.61	180.88	3,182.67	4,577.37	4,229.82 S	636.83 E	183,662.24	2,128,588.37	0.96	4,277.20	
8,233.00	89.60	179.89	180.16	3,182.91	4,577.61	4,324.81 S	635.97 E	183,567.24	2,128,587.96	0.93	4,371.18	
8,327.00	88.74	179.96	180.23	3,184.27	4,578.97	4,418.80 S	635.65 E	183,473.25	2,128,588.08	0.92	4,464.23	
8,422.00	88.71	180.36	180.63	3,186.38	4,581.08	4,513.78 S	634.93 E	183,378.27	2,128,587.81	0.42	4,558.21	
8,516.00	88.77	180.53	180.80	3,188.45	4,583.15	4,607.75 S	633.76 E	183,284.30	2,128,587.08	0.19	4,651.12	
8,610.00	89.75	180.66	180.93	3,189.66	4,584.36	4,701.73 S	632.34 E	183,190.31	2,128,586.11	1.05	4,744.02	
8,705.00	90.09	181.37	181.64	3,189.79	4,584.49	4,796.70 S	630.21 E	183,095.33	2,128,584.42	0.83	4,837.80	
8,799.00	90.46	180.86	181.13	3,189.34	4,584.04	4,890.67 S	627.94 E	183,001.35	2,128,582.60	0.67	4,930.57	

**Design Report for Hudgens 3307 #10-2H - Wellbore #2**

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
						Northing	Easting	Northing	Easting			
8,894.00	88.64	181.08	181.35	3,190.09	4,584.79	4,985.64 S	625.88 E	182,906.37	2,128,580.99	1.93	5,024.35	
8,988.00	88.18	181.13	181.40	3,192.70	4,587.40	5,079.58 S	623.63 E	182,812.42	2,128,579.17	0.49	5,117.09	
9,082.00	89.75	180.68	180.95	3,194.40	4,589.10	5,173.54 S	621.70 E	182,718.45	2,128,577.69	1.74	5,209.90	
9,125.00	89.91	180.66	180.93	3,194.52	4,589.22	5,216.54 S	621.00 E	182,675.46	2,128,577.19	0.37	5,252.39	End MWD
9,170.68	89.91	180.66	180.93	3,194.59	4,589.29	5,262.21 S	620.26 E	182,629.78	2,128,576.66	0.00	5,297.52	Hudgens 3307 #10-2H PBHL
9,172.00	89.91	180.66	180.93	3,194.60	4,589.30	5,263.53 S	620.23 E	182,628.46	2,128,576.65	0.00	5,298.83	Projection to ST1 TD 9172.00 MD, 4589.30 TVD -5263.53 N, 620.23 E 329 FSL, 467 FEL

**Design Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,027.00	4,585.92	-1,128.56	549.91	Start MWD
9,125.00	4,589.22	-5,216.54	621.00	End MWD
9,172.00	4,589.30	-5,263.53	620.23	Projection to ST1 TD 9172.00 MD, 4589.30 TVD -5263.53 N, 620.23 E 329 FSL, 467 FEL

**Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/_S (ft)	+E/-W (ft)	
User	No Target (Freehand)	172.10	Slot	0.00	0.00	0.00

**Survey tool program**

From (ft)	To (ft)	Survey/Plan	Survey Tool
187.00	4,996.00	Sperry MWD Surveys	MWD+SC
5,027.00	9,172.00	Survey - Final	MWD+SC

**Design Report for Hudgens 3307 #10-2H - Wellbore #2**

---

**Design Targets**

Target Name	Dip	Dip	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	Angle	Dir.	()	()	()	()	()		
- Shape	()	()							

**Directional Difficulty Index**

Average Dogleg over Survey:	2.21 °/100ft	Maximum Dogleg over Survey:	17.35 °/100ft at 5,086.00 ft
Net Tortousity applicable to Plans:	0.40 °/100ft	Directional Difficulty Index:	6.348

**Audit Info**

**North Reference Sheet for Sec 10-T33S-R07W - Hudgens 3307 #10-2H - Wellbore #2**

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

Vertical Depths are relative to WELL @ 1394.70ft (Nabors 102 (31.7')). Northing and Easting are relative to Hudgens 3307 #10-2H

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° 30' 0.000 W°, 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: 1.00001775

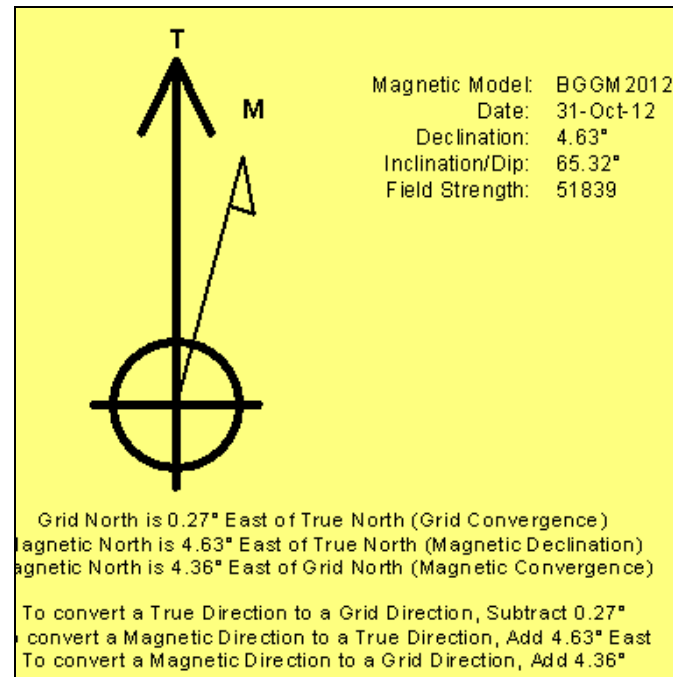
Grid Coordinates of Well: 187,889.00 ft N, 2,127,931.63 ft E

Geographical Coordinates of Well: 37° 10' 54.66" N, 098° 03' 39.22" W

Grid Convergence at Surface is: 0.27°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,172.00ft the Bottom Hole Displacement is 5,299.95ft in the Direction of 173.28° (True).

Magnetic Convergence at surface is: -4.36° (31 October 2012, , BGGM2012)



Well location, HUDGENS 3307 #10-2H, located as shown in the SE 1/4 SE 1/4 of Section 10, T33S, R7W, 6th P.M., Harper County, Kansas.

BASIS OF ELEVATION

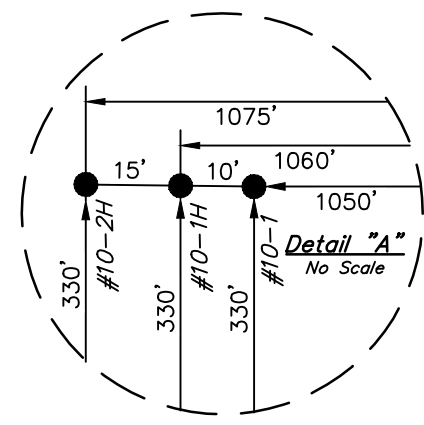
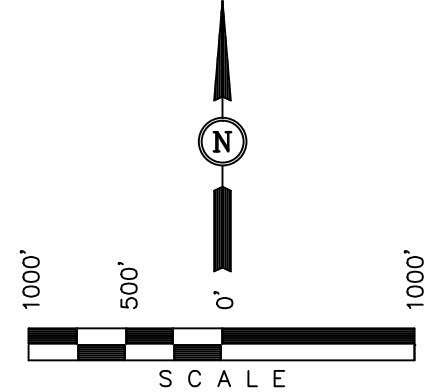
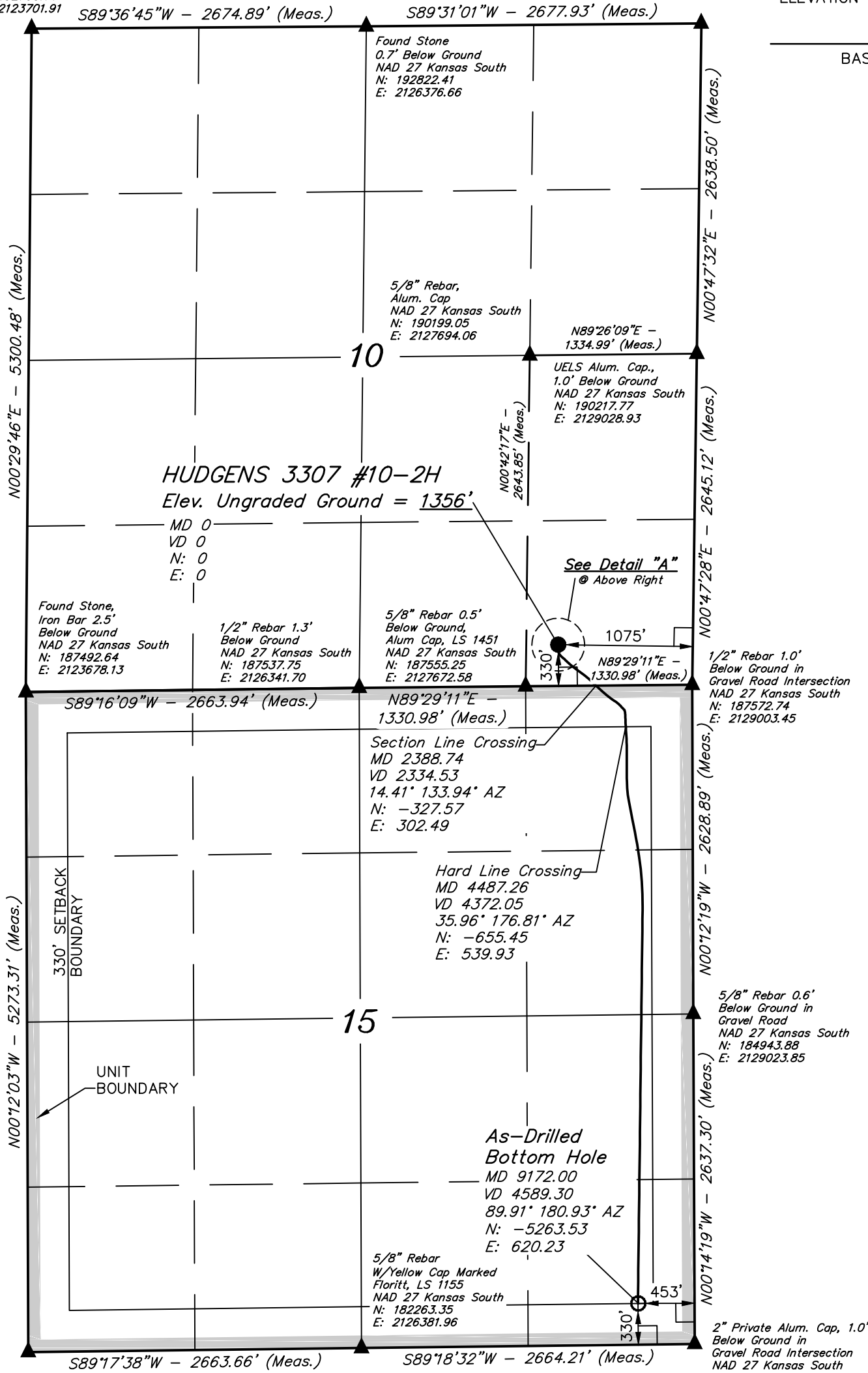
SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET.

BASIS OF BEARINGS

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

UELS Alum. Cap.  
8" Below Ground  
NAD 27 Kansas South  
N: 192793.14  
E: 2123701.91

1/2" Rebar 0.4' Below Ground  
NAD 27 Kansas South  
N: 192856.18  
E: 2129054.39



3/4" Iron Pipe,  
0.6' Below Ground  
in Gravel Road Intersection  
NAD 27 Kansas South  
N: 182219.40  
E: 2123718.62

2" Private Alum. Cap, 1.0'  
Below Ground in  
Gravel Road Intersection  
NAD 27 Kansas South  
N: 182306.63  
E: 2129045.85

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 J. [Signature]  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 1451  
STATE OF KANSAS

LEGEND:

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

<p><b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017</p>		
SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	12-08-12	01-15-13
PARTY	REFERENCES	
C.A.G.	G.L.O. PLAT	
WEATHER	FILE	
WARM	SGOMI	

NAD 83 (#10-2H AS-DRILLED BOTTOM HOLE)	NAD 83 (#10-2H SURFACE LOCATION)
LATITUDE = 37°10'02.71" (37.167419)	LATITUDE = 37°10'54.74" (37.181872)
LONGITUDE = 98°03'32.62" (98.059061)	LONGITUDE = 98°03'40.45" (98.061236)
NAD 27 (#10-2H AS-DRILLED BOTTOM HOLE)	NAD 27 (#10-2H SURFACE LOCATION)
LATITUDE = 37°10'02.63" (37.167397)	LATITUDE = 37°10'54.66" (37.181850)
LONGITUDE = 98°03'31.39" (98.058719)	LONGITUDE = 98°03'39.22" (98.060894)
STATE PLANE NAD 27 (KANSAS SOUTH)	STATE PLANE NAD 27 (KANSAS SOUTH)
N: 182629.08 E: 2128590.43	N: 187889.00 E: 2127931.63

## Summary of Changes

Lease Name and Number: HUDGENS 3307 10-2H

API/Permit #: 15-077-21853-01-00

Doc ID: 1108436

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Amount of Surface Pipe Set and Cemented at	0	525
Approved Date	07/19/2012	01/23/2013
CasingAdd_Type_PctPDF_2		See attached
CasingAdd_Type_PctPDF_3		See attached
CasingNumbSacksUsedPDF_2		250
CasingNumbSacksUsedPDF_3		245
CasingPurposeOfStringPDF_2		Surface
CasingPurposeOfStringPDF_3		Intermediate
CasingSettingDepthPDF_2		525
CasingSettingDepthPDF_3		4859

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
CasingSizeCasingSetP DF_2		9.625
CasingSizeCasingSetP DF_3		7
CasingSizeHoleDrilledP DF_2		12.25
CasingSizeHoleDrilledP DF_3		8.75
CasingTypeOfCementP DF_2		Class C
CasingTypeOfCementP DF_3		Class C
CasingWeightPDF_2		36
CasingWeightPDF_3		23
Completion Or Recompletion Date	06/28/2102	01/12/2013
Date Reached TD	06/28/2012	11/08/2012
Electric Log Run?	No	Yes
Electric Log Submitted Electronically?		Yes
Elogs_PDF		Triple Combo



Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Formation Top Source - Log	No	Yes
Liner Run?		No
Method Of Completion - Open Hole	No	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
Production Interval #1		5348 - 8956
Purchaser's Name	CONDUCTOR ONLY	
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1087993	../../../../kcc/detail/operatorEditDetail.cfm?docID=1108436
Spud Or Recompletion Date	06/28/2012	10/06/2012

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
TopsDepth1		3874
TopsDepth2		4232
TopsDepth3		4316
TopsDepth4		4436
TopsDepth5		4480
TopsDepth6		4770
TopsName1	CONDUCTOR ONLY	Stalnaker Base
TopsName2		Hushpuckney
TopsName3		Marmaton
TopsName4		Pawnee
TopsName5		Cherokee
TopsName6		Mississippi
Total Depth	60	9172

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Tubing Packer At		N/A
Tubing Record - Set At		3916
Tubing Size		2.875

## Summary of Attachments

Lease Name and Number: HUDGENS 3307 10-2H

API: 15-077-21853-01-00

Doc ID: 1108436

Correction Number: 1

Attachment Name

HUDGENS 3307 #10-2H conductor record

HUDGENS 3307 #10-2H - Surface Cement

HUDGENS 3307 #10-2H - Inter Cmt rpt

Hudgens 3307 #10-2H directional survey

HUDGENS 3307 #10-2H-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: \_\_\_\_\_