

CONFIDENTIAL

2/14/14

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 34574
Name: Shell Gulf of Mexico Inc.
Address 1: 150 N. Dairy Ashford (77079)
Address 2: PO Box 576 (77001-0576)
City: Houston State: TX Zip: 77001 + 0576
Contact Person: Damonica Pierson
Phone: (832) 337-2172
CONTRACTOR: License # 32784
Name: Nabors Well Services LTD
Wellsite Geologist: Cody Holbrook
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

11/14/11	12/9/11	02/03/12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21756-01-00
Spot Description: _____
NE SW SW SE Sec. 19 Twp. 33 S. R. 8 East West
528 Feet from North / South Line of Section
2,140 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Harper
Lease Name: Senff 3308 Well #: 19-1H
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 1316 Kelly Bushing: 23'8"
Total Depth: 8646 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 810 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: surface w/ 470 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: **CONFIDENTIAL** License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: FEB 14 2014 Permit #: _____ **RECEIVED**

KCC

FEB 15 2012

KCC WICHITA

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Richard W Lewis
Title: Team Lead Date: 2-14-2012

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 2/14/12 - 2/14/14
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Dlg Date: 3/7/12

Shell Exploration & Production Co. Inc.

Harper Co. (NAD-27)

Sec 19-T33S-R08W

Senff 3308 #19-1H / Job #8486596 / Nabors 180

API # 15-077-21756

Wellbore #1

Design: Wellbore #1

Sperry Drilling Services

Standard Report With Distance & X, Y Offsets to Plan

13 December, 2011

Well Coordinates: 177,395.16 N, 2,079,397.75 E (37° 09' 12.74" N, 098° 13' 39.30" W)

Ground Level: 1,316.00 ft

Local Coordinate Origin:

Centered on Well Senff 3308 #19-1H / Job #8486596 / Nabors 180

Viewing Datum:

rkb @ 1339.50ft

TVDs to System:

N

North Reference:

True

Unit System:

API-US New

Version: 2003.21 Build: 43

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FEB 14 2014

KCC

HALLIBURTON

Design Report for Senff 3308 #19-1H / Job #8486596 / Nabors 180 - Wellbore #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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	0.48	294.34	150.00	0.26	-0.57	0.28	0.32	294.34	0.32	0.00	0.63	-0.63	0.00
First MWD Survey													
181.00	0.36	312.57	181.00	0.38	-0.76	0.40	0.57	140.80	-0.39	58.81	0.85	-0.82	0.24
212.00	0.24	52.03	212.00	0.48	-0.78	0.51	1.50	149.35	-0.39	320.84	0.95	0.35	0.89
243.00	0.94	96.50	243.00	0.50	-0.48	0.51	2.54	56.81	2.26	143.45	1.08	1.01	0.38
274.00	1.59	100.86	273.99	0.39	0.20	0.38	2.12	10.61	2.10	14.06	1.30	1.29	0.15
335.00	3.04	101.92	334.94	-0.11	2.61	-0.19	2.38	2.22	2.38	1.74	2.16	2.09	-0.55
433.00	5.07	99.85	432.69	-1.39	9.42	-1.67	2.08	-5.16	2.07	-2.11	3.88	3.34	-1.98
529.00	5.65	101.08	528.27	-3.02	18.24	-3.57	0.62	11.82	0.60	1.28	4.38	2.54	-3.57
624.00	4.29	105.02	622.91	-4.84	26.26	-5.63	1.48	167.87	-1.43	4.15	5.44	1.14	-5.31
718.00	2.15	98.06	716.75	-6.00	31.40	-6.94	2.31	-173.11	-2.28	-7.40	6.20	0.70	-6.16
758.00	1.42	97.85	756.73	-6.17	32.63	-7.15	1.83	-179.59	-1.83	-0.53	6.28	0.33	-6.27
840.00	0.32	88.54	838.72	-6.30	33.87	-7.32	1.35	-177.32	-1.34	-11.35	6.31	0.42	-6.29
934.00	0.31	84.08	932.72	-6.27	34.38	-7.30	0.03	-114.41	-0.01	-4.74	6.28	0.39	-6.26
1,029.00	0.20	65.70	1,027.72	-6.18	34.79	-7.22	0.14	-152.32	-0.12	-19.35	6.21	1.93	-5.90
1,123.00	0.31	328.80	1,121.72	-5.89	34.81	-6.93	0.41	-127.63	0.12	-103.09	5.93	5.39	2.47
1,218.00	0.44	336.65	1,216.72	-5.34	34.53	-6.37	0.15	25.52	0.14	8.26	5.35	5.06	1.74
1,313.00	0.62	330.24	1,311.71	-4.56	34.13	-5.58	0.20	-21.45	0.19	-6.75	4.56	3.96	2.25
1,408.00	0.67	342.79	1,406.71	-3.58	33.71	-4.59	0.16	76.86	0.05	13.21	3.60	3.30	1.45
1,503.00	0.69	338.32	1,501.70	-2.52	33.34	-3.52	0.06	-71.59	0.02	-4.71	2.64	2.05	1.66
1,598.00	0.53	343.08	1,596.70	-1.56	33.00	-2.55	0.18	164.80	-0.17	5.01	1.93	1.17	1.53
1,693.00	0.45	340.81	1,691.69	-0.79	32.75	-1.77	0.09	-167.49	-0.08	-2.39	1.59	0.29	1.56
1,788.00	0.44	339.64	1,786.69	-0.10	32.50	-1.07	0.01	-138.32	-0.01	-1.23	1.63	-0.47	1.56
1,883.00	0.37	330.25	1,881.69	0.51	32.22	-0.46	0.10	-141.15	-0.07	-9.88	1.97	-1.39	1.40
1,978.00	0.31	336.38	1,976.69	1.01	31.96	0.05	0.07	151.81	-0.06	6.45	2.39	-1.79	1.57
2,073.00	0.35	328.88	2,071.68	1.50	31.71	0.54	0.06	-50.99	0.04	-7.89	2.84	-2.53	1.29
2,168.00	0.25	309.34	2,166.68	1.88	31.40	0.93	0.15	-143.84	-0.11	-20.57	3.31	-3.30	0.28
2,263.00	0.06	228.26	2,261.68	1.97	31.20	1.04	0.26	-166.17	-0.20	-85.35	3.53	-0.87	-3.42
2,358.00	0.09	206.34	2,356.68	1.87	31.13	0.94	0.04	-55.04	0.03	-23.07	3.53	0.35	-3.51
2,453.00	0.06	69.47	2,451.68	1.83	31.15	0.89	0.15	-162.95	-0.03	-144.07	3.49	2.15	2.75
2,548.00	0.06	278.36	2,546.68	1.85	31.14	0.91	0.12	-165.55	0.00	-159.06	3.51	-3.22	-1.40
2,642.00	0.22	235.19	2,640.68	1.75	30.95	0.82	0.19	-56.28	0.17	-45.93	3.63	-1.61	-3.25
2,737.00	0.19	246.18	2,735.68	1.59	30.65	0.67	0.05	132.75	-0.03	11.57	3.82	-2.54	-2.85
2,832.00	0.19	219.28	2,830.68	1.40	30.41	0.49	0.09	-103.45	0.00	-28.32	3.97	-1.27	-3.76
2,926.00	0.09	275.66	2,924.68	1.29	30.24	0.38	0.17	151.87	-0.11	59.98	4.10	-4.00	-0.90
3,022.00	0.12	322.61	3,020.68	1.37	30.10	0.47	0.09	95.27	0.03	48.91	4.25	-3.54	2.36



Design Report for Senff 3308 #19-1H / Job #8486596 / Nabors 180 - Wellbore #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)
3,117.00	0.17	342.90	3,115.68	1.59	30.00	0.69	0.07	56.21	0.05	21.36	4.42	-2.73	3.48
3,212.00	0.28	351.88	3,210.68	1.95	29.92	1.05	0.12	22.30	0.12	9.45	4.63	-2.53	3.88
3,307.00	0.12	52.65	3,305.68	2.24	29.97	1.34	0.26	154.69	-0.17	63.97	4.72	1.94	4.30
3,402.00	0.17	59.93	3,400.68	2.37	30.17	1.47	0.06	23.89	0.05	7.66	4.61	2.23	4.04
3,497.00	0.12	88.75	3,495.68	2.45	30.39	1.53	0.09	138.27	-0.05	30.34	4.46	3.68	2.53
3,592.00	0.55	125.13	3,590.68	2.19	30.87	1.26	0.48	45.30	0.45	38.29	3.92	3.92	-0.09
3,679.00	1.45	38.59	3,677.67	2.81	31.89	1.85	1.75	-107.72	1.03	-99.47	3.59	-0.80	3.49
3,711.00	3.89	10.19	3,709.63	4.19	32.34	3.22	8.45	-43.16	7.63	-88.75	4.56	-3.81	2.50
3,743.00	6.98	5.55	3,741.48	7.20	32.72	6.21	9.75	-10.41	9.66	-14.50	6.98	-6.67	2.05
3,774.00	9.27	3.83	3,772.17	11.56	33.07	10.57	7.43	-6.91	7.39	-5.55	9.60	-9.46	1.62
3,806.00	10.79	4.37	3,803.68	17.12	33.47	16.11	4.76	3.81	4.75	1.69	12.01	-11.93	1.37
3,838.00	12.24	7.18	3,835.03	23.47	34.12	22.44	4.86	22.53	4.53	8.78	13.81	-13.75	1.33
3,869.00	13.27	6.77	3,865.27	30.27	34.95	29.21	3.34	-5.22	3.32	-1.32	14.90	-14.89	0.29
3,901.00	14.78	3.70	3,896.31	37.99	35.65	36.90	5.26	-27.73	4.72	-9.59	15.36	-15.29	-1.46
3,933.00	16.17	1.73	3,927.15	46.52	36.04	45.41	4.64	-21.67	4.34	-6.16	15.22	-14.98	-2.73
3,965.00	17.70	0.71	3,957.76	55.83	36.24	54.72	4.87	-11.48	4.78	-3.19	14.47	-14.02	-3.59
3,996.00	20.30	0.30	3,987.07	65.93	36.33	64.81	8.40	-3.13	8.39	-1.32	13.51	-12.84	-4.22
4,028.00	23.62	359.79	4,016.75	77.89	36.33	76.77	10.39	-3.52	10.38	-1.59	12.77	-11.83	-4.82
4,060.00	26.84	359.64	4,045.69	91.53	36.26	90.40	10.06	-1.21	10.06	-0.47	12.42	-11.21	-5.33
4,091.00	30.12	0.55	4,072.94	106.31	36.29	105.17	10.67	7.94	10.58	2.94	12.51	-11.09	-5.79
4,123.00	32.85	1.05	4,100.22	123.02	36.53	121.87	8.57	5.68	8.53	1.56	12.98	-11.17	-6.60
4,155.00	36.23	0.95	4,126.58	141.16	36.85	139.99	10.56	-1.00	10.56	-0.31	13.77	-11.46	-7.63
4,186.00	39.68	1.12	4,151.02	160.22	37.19	159.03	11.13	1.80	11.13	0.55	14.99	-12.23	-8.66
4,218.00	43.33	0.43	4,174.98	181.42	37.47	180.21	11.50	-7.40	11.41	-2.16	16.68	-13.46	-9.85
4,250.00	46.79	359.42	4,197.58	204.06	37.44	202.85	11.04	-12.03	10.81	-3.16	18.65	-15.17	-10.85
4,281.00	48.50	358.06	4,218.46	226.96	36.93	225.75	6.40	-30.90	5.52	-4.39	20.32	-16.78	-11.47
4,313.00	49.93	356.19	4,239.37	251.16	35.71	249.98	6.29	-45.33	4.47	-5.84	21.24	-17.83	-11.55
4,345.00	50.85	353.91	4,259.77	275.72	33.58	274.59	6.20	-63.09	2.88	-7.13	21.05	-18.06	-10.81
4,376.00	52.63	353.46	4,278.97	299.91	30.90	298.85	5.85	-11.37	5.74	-1.45	20.06	-17.88	-9.09
4,408.00	54.52	354.03	4,297.97	325.50	28.10	324.51	6.08	13.81	5.91	1.78	18.76	-17.36	-7.11
4,440.00	56.67	355.08	4,316.05	351.79	25.60	350.86	7.24	22.24	6.72	3.28	17.36	-16.51	-5.38
4,471.00	58.37	356.71	4,332.69	377.87	23.73	376.99	7.05	39.41	5.48	5.26	16.03	-15.45	-4.26
4,503.00	58.66	356.65	4,349.41	405.11	22.15	404.26	0.92	-10.02	0.91	-0.19	15.09	-14.62	-3.72
4,535.00	58.89	356.22	4,366.00	432.42	20.45	431.61	1.36	-58.09	0.72	-1.34	14.27	-13.93	-3.11
4,566.00	60.05	356.45	4,381.74	459.07	18.74	458.30	3.80	9.75	3.74	0.74	13.86	-13.65	-2.40
4,598.00	60.44	356.76	4,397.62	486.80	17.09	486.07	1.48	34.69	1.22	0.97	13.91	-13.80	-1.78
4,630.00	60.72	356.79	4,413.34	514.63	15.53	513.93	0.88	5.34	0.88	0.09	13.81	-13.75	-1.27
4,661.00	63.03	357.53	4,427.96	541.93	14.17	541.26	7.74	15.95	7.45	2.39	13.10	-13.07	-0.88
4,693.00	66.49	357.91	4,441.60	570.85	13.02	570.20	10.87	5.76	10.81	1.19	12.57	-12.55	-0.80

HALLIBURTON**Design Report for Senff 3308 #19-1H / Job #8486596 / Nabors 180 - Wellbore #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)
4,725.00	70.29	358.09	4,453.38	600.58	11.99	599.95	11.89	2.56	11.88	0.56	12.63	-12.59	-0.90
4,756.00	73.67	359.22	4,462.97	630.05	11.30	629.42	11.44	17.81	10.90	3.65	13.26	-13.20	-1.26
4,788.00	76.61	358.89	4,471.18	660.97	10.79	660.35	9.24	-6.23	9.19	-1.03	14.28	-14.15	-1.97
4,820.00	78.24	359.59	4,478.14	692.20	10.37	691.57	5.52	22.82	5.09	2.19	15.17	-14.92	-2.72
4,851.00	78.50	359.60	4,484.39	722.56	10.16	721.93	0.84	2.16	0.84	0.03	15.24	-14.78	-3.69
4,883.00	78.81	359.20	4,490.69	753.93	9.83	753.30	1.56	-51.72	0.97	-1.25	14.13	-13.36	-4.61
4,915.00	80.02	358.34	4,496.57	785.38	9.15	784.75	4.61	-35.02	3.78	-2.69	12.07	-10.90	-5.18
4,946.00	82.81	357.16	4,501.19	816.00	7.95	815.40	9.76	-22.79	9.00	-3.81	9.71	-8.22	-5.17
4,978.00	85.74	356.79	4,504.38	847.80	6.27	847.23	9.23	-7.18	9.16	-1.16	7.35	-5.65	-4.70
5,010.00	88.21	356.92	4,506.07	879.70	4.52	879.17	7.73	3.01	7.72	0.41	5.51	-3.61	-4.16
5,041.00	90.19	356.87	4,506.51	910.65	2.84	910.16	6.39	-1.45	6.39	-0.16	4.62	-2.80	-3.67
5,073.00	91.05	356.88	4,506.16	942.60	1.09	942.14	2.69	0.67	2.69	0.03	4.19	-2.76	-3.15
5,104.00	91.54	356.53	4,505.46	973.54	-0.69	973.12	1.94	-35.53	1.58	-1.13	4.00	-3.08	-2.56
5,202.00	92.66	355.60	4,501.87	1,071.24	-7.41	1,070.98	1.49	-39.67	1.14	-0.95	5.49	-5.48	0.41
5,233.00	93.03	355.64	4,500.33	1,102.11	-9.77	1,101.91	1.20	6.16	1.19	0.13	6.82	-6.64	1.59
5,297.00	94.51	356.16	4,496.12	1,165.81	-14.34	1,165.72	2.45	19.30	2.31	0.81	10.72	-10.06	3.72
5,392.00	92.90	355.50	4,489.98	1,260.36	-21.23	1,260.43	1.83	-157.73	-1.69	-0.69	16.58	-15.04	6.98
5,487.00	90.80	354.85	4,486.92	1,354.97	-29.22	1,355.23	2.31	-162.80	-2.21	-0.68	20.38	-16.95	11.32
5,581.00	92.04	354.08	4,484.59	1,448.50	-38.28	1,448.99	1.55	-31.82	1.32	-0.82	25.26	-18.88	16.79
5,676.00	88.02	354.42	4,484.54	1,543.00	-47.80	1,543.74	4.25	175.16	-4.23	0.36	29.54	-18.97	22.64
5,771.00	88.02	354.27	4,487.82	1,637.48	-57.15	1,638.46	0.16	-90.00	0.00	-0.16	32.42	-15.71	28.36
5,866.00	88.46	358.15	4,490.74	1,732.21	-63.43	1,733.33	4.11	83.59	0.46	4.08	33.54	-12.72	31.03
5,961.00	85.92	358.79	4,495.39	1,827.05	-65.96	1,828.21	2.76	165.89	-2.67	0.67	30.99	-8.02	29.94
6,056.00	86.29	359.39	4,501.85	1,921.82	-67.47	1,922.98	0.74	58.30	0.39	0.63	27.84	-1.57	27.80
6,151.00	87.90	359.98	4,506.66	2,016.69	-67.99	2,017.83	1.80	20.12	1.69	0.62	24.88	3.23	24.67
6,246.00	90.25	0.73	4,508.20	2,111.67	-67.40	2,112.74	2.60	17.71	2.47	0.79	20.98	4.73	20.44
6,341.00	90.43	359.86	4,507.63	2,206.67	-66.91	2,207.68	0.94	-78.31	0.19	-0.92	16.83	4.16	16.31
6,436.00	89.88	358.86	4,507.38	2,301.66	-67.97	2,302.66	1.20	-118.81	-0.58	-1.05	14.27	3.91	13.73
6,531.00	90.12	358.85	4,507.38	2,396.64	-69.87	2,397.66	0.25	-2.39	0.25	-0.01	12.60	3.91	11.98
6,625.00	87.28	359.99	4,509.51	2,490.60	-70.82	2,491.60	3.26	158.14	-3.02	1.21	11.11	6.05	9.32
6,720.00	90.06	359.76	4,511.71	2,585.57	-71.03	2,586.53	2.94	-4.73	2.93	-0.24	10.13	8.25	5.89
6,815.00	91.73	359.14	4,510.23	2,680.55	-71.94	2,681.50	1.88	-20.36	1.76	-0.65	7.46	6.76	3.16
6,910.00	92.84	358.81	4,506.44	2,775.45	-73.64	2,776.41	1.22	-16.54	1.17	-0.35	3.21	2.97	1.22
7,005.00	91.54	358.52	4,502.81	2,870.36	-75.85	2,871.34	1.40	-167.43	-1.37	-0.31	0.69	-0.66	-0.22
7,100.00	92.28	356.93	4,499.64	2,965.23	-79.62	2,966.28	1.85	-65.01	0.78	-1.67	3.82	-3.82	-0.09
7,195.00	90.80	356.23	4,497.09	3,060.02	-85.29	3,061.20	1.72	-154.68	-1.56	-0.74	6.66	-6.38	1.93
7,290.00	88.70	355.62	4,497.51	3,154.77	-92.04	3,156.11	2.30	-163.80	-2.21	-0.64	7.81	-5.96	5.04
7,385.00	88.50	355.98	4,499.83	3,249.49	-98.99	3,251.00	0.43	119.07	-0.21	0.38	9.12	-3.65	8.36
7,481.00	89.01	358.77	4,501.91	3,345.36	-103.39	3,346.95	2.95	79.67	0.53	2.91	9.21	-1.55	9.08

HALLIBURTON

Design Report for Senff 3308 #19-1H / Job #8486596 / Nabors 180 - Wellbore #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)	
7,576.00	89.01	359.45	4,503.55	3,440.33	-104.86	3,441.93	0.72	90.01	0.00	0.72	6.91	0.09	6.91	
7,671.00	91.36	0.01	4,503.25	3,535.32	-105.31	3,536.89	2.54	13.40	2.47	0.59	3.72	-0.22	3.71	
7,766.00	89.75	358.75	4,502.33	3,630.31	-106.34	3,631.86	2.15	-141.95	-1.69	-1.33	1.58	-1.14	1.09	
7,861.00	89.20	358.04	4,503.20	3,725.26	-109.00	3,726.86	0.95	-127.77	-0.58	-0.75	0.29	-0.27	0.11	
7,956.00	90.25	357.14	4,503.65	3,820.18	-112.99	3,821.85	1.46	-40.60	1.11	-0.95	0.50	0.19	0.46	
8,051.00	90.19	356.25	4,503.29	3,915.02	-118.47	3,916.81	0.94	-93.86	-0.06	-0.94	2.30	-0.18	2.30	
8,146.00	91.85	356.78	4,501.60	4,009.82	-124.24	4,011.74	1.83	17.70	1.75	0.56	4.81	-1.87	4.43	
8,241.00	90.86	356.57	4,499.35	4,104.63	-129.75	4,106.68	1.07	-168.02	-1.04	-0.22	7.52	-4.11	6.30	
8,336.00	90.93	358.12	4,497.87	4,199.52	-134.15	4,201.65	1.63	87.40	0.07	1.63	9.00	-5.60	7.05	
8,431.00	90.74	359.04	4,496.48	4,294.48	-136.51	4,296.64	0.99	101.66	-0.20	0.97	9.05	-6.98	5.76	
8,542.00	92.04	358.08	4,493.79	4,405.41	-139.29	4,407.60	1.46	-36.43	1.17	-0.86	10.59	-9.68	4.29	
Last MWD Survey														
8,623.00	92.04	358.08	4,490.91	4,486.31	-142.01	4,488.55	0.00	0.00	0.00	0.00	13.15	-12.56	3.90	
Projection to TD														

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
150.00	150.00	0.26	-0.57	First MWD Survey
8,542.00	4,493.79	4,405.41	-139.29	Last MWD Survey
8,623.00	4,490.91	4,486.31	-142.01	Projection to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
User	No Target (Freehand)	358.28	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
150.00	8,623.00	MWD survey	MWD+SC

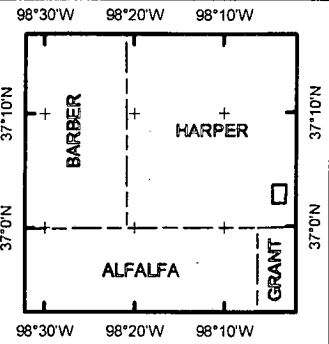
1,910,000

98°40'W

1,915,000



CROFT FARMS,
INC. BY SUSAN E.
CROFT, PRESIDENT



28

27

SHARYL R.
DAVIS, A
SINGLE PERSON

T34S - R7W

Shell Davis
3407 27-1H

NAD27 State Plane Kansas South

Lat: 37.180909 X: 1975194.307
Lon: -98.58514 Y: 137256.3489

THE DUSTY E. ALBRIGHT LIVING
TRUST, DATED JULY 10, 2007 (AN
UN-DIVIDED ONE-HALF INTEREST)
AND THE ERIN E. ALBRIGHT LIVING
TRUST, DATED JULY 10, 2007, (AN
UN-DIVIDED ONE HALF-INTEREST),
DUSTY E. ALBRIGHT AND
ERIN E. ALBRIGHT, CO-TUSTEES
OF EACH TRUST

SHARYL R.
DAVIS, A
SINGLE PERSON

CROFT FARMS,
INC. BY SUSAN E.
CROFT, PRESIDENT

ALBRIGHT
1-35

SALLIE CARR 1

33

34

CHARLES
REDFERN, A
SINGLE MAN

THE DUSTY E. ALBRIGHT LIVING
TRUST, DATED JULY 10, 2007 (AN
UN-DIVIDED ONE-HALF INTEREST)
AND THE ERIN E. ALBRIGHT LIVING
TRUST, DATED JULY 10, 2007, (AN
UN-DIVIDED ONE HALF-INTEREST),
DUSTY E. ALBRIGHT AND
ERIN E. ALBRIGHT, CO-TUSTEES
OF EACH TRUST

35

RECEIVED
FEB 15 2012

KCC WICHITA

NAD27 State Plane Kansas South
Lat: 37.037302 X: 2126785.602
Lon: -98.065671 Y: 135251.5406

BHL

CONFIDENTIAL

4

FLW

3

T35S - R7W

KCC

Shell Gulf of Mexico Inc.

KANSAS
HARPER COUNTY
T34S - R7W SEC. 27, 34
Shell Davis 3407 27-1H



November 7, 2011 E. Gilbertson - 4105 B by Eric Gilbertson

ShellDavis3407_27-1H.mxd UTM 14N - NAD27 - US Feet

1,910,000

98°40'W

1,915,000

37°20'N

37°20'N