CORRECTION #1

1102235

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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 # 34718
Name: Nabors Drilling USA, LP
Wellsite Geologist: Abby Woody
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

07/29/2012	08/23/2012	09/29/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-191-22660-01-00

Spot Description:
SW NE NW NW Sec. 6 Twp. 30 S. R. 2 [ ] East [x] West
380 Feet from [x] North / [ ] South Line of Section
940 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW

County: Sumner
Lease Name: PAULY 3002 Well #: 6-1H
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 1317 Kelly Bushing: 1349
Total Depth: 8368 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 191 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Plumb Thicket Landfill
Lease Name: N/A License #: 99999
Quarter SW Sec. 4 Twp. 31 S. R. 6 [ ] East [x] West
County: Harper Permit #: KDHE Permit No. 0842

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

- [x] Letter of Confidentiality Received
  Date: 07/19/2012
- [ ] Confidential Release Date:
- [ ] Wireline Log Received
- [ ] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: NAOMI JAMES Date: 11/26/2012

Shell Exploration & Production Co. Inc.

Sumner Co. KS (NAD 27)
Sec 06-T30S-R2W
Pauly 3002 #6-1H / Job #9506284 / Nabors 102

Wellbore #1

Design: Wellbore #1

Sperry Drilling Services

Combo Report With Grid North & True North

24 August, 2012

Well Coordinates: 295,313.19 N, 2,265,737.85 E (37° 28' 26.86" N, 097° 35' 03.48" W)
Ground Level: 1,320.00 ft

Local Coordinate Origin:	Centered on Well Pauly 3002 #6-1H / Job #9506284 / Nabors 102
Viewing Datum:	WELL @ 1351.70ft (Original Well Elev)
TVDs to System:	N
North Reference:	True
Unit System:	API-US-new

Version: 2003.21 Build: 43

HALLIBURTON

Design Report for Pauly 3002 #6-1H / Job #9506284 / Nabors 102 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
0.00	0.00	359.44	0.00	1,351.70	0.00	0.00 N	0.00 E	295,313.19	2,265,737.85	0.00	0.00	
125.00	1.35	107.61	108.17	1,226.71	124.99	0.46 S	1.40 E	295,312.74	2,265,739.25	1.08	0.29	First MWD Survey
234.00	1.92	106.73	107.29	1,117.76	233.94	1.40 S	4.36 E	295,311.83	2,265,742.23	0.52	0.88	
416.00	2.50	106.71	107.27	935.89	415.81	3.49 S	11.06 E	295,309.81	2,265,748.95	0.32	2.16	
597.00	1.08	98.01	98.57	754.99	596.71	4.91 S	16.52 E	295,308.44	2,265,754.42	0.80	2.94	
778.00	1.33	97.69	98.25	574.03	777.67	5.47 S	20.29 E	295,307.92	2,265,758.19	0.14	3.05	
847.00	1.52	104.22	104.78	505.05	846.65	5.82 S	21.96 E	295,307.59	2,265,759.87	0.36	3.20	
909.00	1.42	132.26	132.82	443.07	908.63	6.55 S	23.32 E	295,306.87	2,265,761.24	1.16	3.77	
972.00	2.76	165.97	166.53	380.11	971.59	8.55 S	24.25 E	295,304.87	2,265,762.18	2.80	5.65	
1,035.00	4.70	175.68	176.24	317.24	1,034.46	12.61 S	24.77 E	295,300.83	2,265,762.74	3.23	9.61	
1,098.00	5.62	176.54	177.10	254.50	1,097.20	18.26 S	25.10 E	295,295.18	2,265,763.12	1.47	15.19	
1,255.00	5.61	176.78	177.34	98.25	1,253.45	33.61 S	25.84 E	295,279.84	2,265,764.02	0.02	30.34	
1,318.00	5.65	176.59	177.15	35.56	1,316.14	39.78 S	26.14 E	295,273.67	2,265,764.38	0.07	36.44	
1,381.00	4.64	180.95	181.51	-27.19	1,378.89	45.42 S	26.23 E	295,268.03	2,265,764.52	1.72	42.03	
1,444.00	3.51	177.63	178.19	-90.03	1,441.73	49.90 S	26.22 E	295,263.55	2,265,764.56	1.83	46.48	
1,507.00	2.75	171.39	171.95	-152.93	1,504.63	53.32 S	26.49 E	295,260.13	2,265,764.86	1.32	49.85	
1,570.00	2.08	177.41	177.97	-215.88	1,567.58	55.96 S	26.74 E	295,257.49	2,265,765.14	1.14	52.44	
1,633.00	1.24	204.66	205.22	-278.85	1,630.55	57.72 S	26.49 E	295,255.73	2,265,764.91	1.79	54.21	
1,696.00	0.81	246.00	246.56	-341.84	1,693.54	58.52 S	25.79 E	295,254.93	2,265,764.22	1.31	55.08	
1,822.00	0.86	258.76	259.32	-467.83	1,819.53	59.04 S	24.05 E	295,254.38	2,265,762.48	0.15	55.81	
2,010.00	0.94	270.13	270.69	-655.81	2,007.51	59.29 S	21.12 E	295,254.11	2,265,759.55	0.10	56.40	
2,199.00	0.61	94.30	94.86	-844.80	2,196.50	59.35 S	20.57 E	295,254.04	2,265,759.00	0.82	56.53	
2,388.00	1.24	87.71	88.27	-1,033.77	2,385.47	59.38 S	23.62 E	295,254.05	2,265,762.05	0.34	56.20	
2,576.00	1.30	101.26	101.82	-1,221.73	2,573.43	59.75 S	27.74 E	295,253.71	2,265,766.18	0.16	56.08	
2,765.00	1.52	169.49	170.05	-1,410.68	2,762.38	62.66 S	30.27 E	295,250.83	2,265,768.74	0.84	58.68	
2,954.00	0.07	230.47	231.03	-1,599.66	2,951.36	65.20 S	30.61 E	295,248.29	2,265,769.10	0.79	61.16	
3,143.00	0.45	254.67	255.23	-1,788.66	3,140.36	65.46 S	29.81 E	295,248.02	2,265,768.30	0.20	61.51	
3,175.00	0.48	259.33	259.89	-1,820.66	3,172.36	65.52 S	29.55 E	295,247.96	2,265,768.05	0.15	61.60	
3,206.00	1.31	205.58	206.14	-1,851.65	3,203.35	65.86 S	29.27 E	295,247.62	2,265,767.77	3.54	61.97	
3,238.00	3.39	200.80	201.36	-1,883.62	3,235.32	67.07 S	28.76 E	295,246.40	2,265,767.27	6.52	63.23	
3,269.00	6.22	198.02	198.58	-1,914.51	3,266.21	69.52 S	27.90 E	295,243.95	2,265,766.43	9.16	65.76	
3,301.00	10.02	195.80	196.36	-1,946.19	3,297.89	73.83 S	26.56 E	295,239.62	2,265,765.13	11.91	70.21	
3,332.00	13.74	195.79	196.35	-1,976.52	3,328.22	79.96 S	24.76 E	295,233.48	2,265,763.40	12.00	76.50	
3,364.00	16.88	195.56	196.12	-2,007.38	3,359.08	88.07 S	22.40 E	295,225.35	2,265,761.11	9.81	84.83	
3,395.00	19.09	194.32	194.88	-2,036.86	3,388.56	97.29 S	19.85 E	295,216.10	2,265,758.65	7.23	94.29	
3,427.00	21.49	192.44	193.00	-2,066.87	3,418.57	108.06 S	17.19 E	295,205.30	2,265,756.10	7.77	105.30	
3,458.00	24.04	189.13	189.69	-2,095.46	3,447.16	119.82 S	14.85 E	295,193.52	2,265,753.87	9.20	117.25	

Design Report for Pauly 3002 #6-1H / Job #9506284 / Nabors 102 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
3,489.00	27.44	186.00	186.56	-2,123.38	3,475.08	133.15 S	12.97 E	295,180.18	2,265,752.12	11.81	130.70	
3,521.00	31.49	183.66	184.22	-2,151.23	3,502.93	148.81 S	11.51 E	295,164.50	2,265,750.82	13.16	146.43	
3,552.00	35.69	183.07	183.63	-2,177.05	3,528.75	165.92 S	10.34 E	295,147.38	2,265,749.82	13.59	163.56	
3,584.00	39.69	183.15	183.71	-2,202.37	3,554.07	185.44 S	9.09 E	295,127.85	2,265,748.76	12.50	183.09	
3,615.00	42.91	183.43	183.99	-2,225.66	3,577.36	205.85 S	7.71 E	295,107.43	2,265,747.58	10.40	203.52	
3,646.00	46.02	184.28	184.84	-2,247.78	3,599.48	227.50 S	6.04 E	295,085.76	2,265,746.12	10.21	225.22	
3,678.00	48.98	184.51	185.07	-2,269.39	3,621.09	251.00 S	4.00 E	295,062.24	2,265,744.31	9.27	248.80	
3,709.00	51.23	184.48	185.04	-2,289.28	3,640.98	274.69 S	1.90 E	295,038.53	2,265,742.45	7.26	272.57	
3,740.00	53.96	186.03	186.59	-2,308.11	3,659.81	299.18 S	0.60 W	295,014.02	2,265,740.19	9.66	297.19	
3,772.00	57.10	187.61	188.17	-2,326.22	3,677.92	325.34 S	3.99 W	294,987.83	2,265,737.05	10.62	323.56	
3,803.00	61.05	189.12	189.68	-2,342.14	3,693.84	351.60 S	8.13 W	294,961.52	2,265,733.18	13.41	350.13	
3,834.00	65.22	189.30	189.86	-2,356.15	3,707.85	378.85 S	12.82 W	294,934.23	2,265,728.75	13.46	377.74	
3,866.00	69.08	190.04	190.60	-2,368.57	3,720.27	407.87 S	18.06 W	294,905.17	2,265,723.80	12.25	407.17	
3,897.00	71.92	189.72	190.28	-2,378.92	3,730.62	436.60 S	23.35 W	294,876.38	2,265,718.79	9.21	436.32	
3,929.00	74.28	188.97	189.53	-2,388.22	3,739.92	466.76 S	28.62 W	294,846.17	2,265,713.82	7.71	466.89	
3,960.00	77.00	188.71	189.27	-2,395.91	3,747.61	496.39 S	33.52 W	294,816.50	2,265,709.21	8.81	496.89	
3,992.00	79.71	189.15	189.71	-2,402.37	3,754.07	527.29 S	38.69 W	294,785.54	2,265,704.34	8.58	528.19	
4,023.00	82.26	187.32	187.88	-2,407.23	3,758.93	557.55 S	43.37 W	294,755.24	2,265,699.96	10.08	558.78	
4,055.00	84.60	186.65	187.21	-2,410.89	3,762.59	589.06 S	47.54 W	294,723.69	2,265,696.10	7.60	590.57	
4,172.00	88.95	186.89	187.45	-2,417.47	3,769.17	704.89 S	62.44 W	294,607.72	2,265,682.34	3.72	707.35	
4,298.00	89.01	187.45	188.01	-2,419.71	3,771.41	829.73 S	79.39 W	294,482.72	2,265,666.62	0.45	833.31	
4,392.00	89.41	188.12	188.68	-2,421.01	3,772.71	922.72 S	93.03 W	294,389.60	2,265,653.89	0.83	927.26	
4,487.00	90.12	186.55	187.11	-2,421.40	3,773.10	1,016.82 S	106.07 W	294,295.38	2,265,641.77	1.81	1,022.24	
4,581.00	90.43	186.47	187.03	-2,420.95	3,772.65	1,110.10 S	117.64 W	294,201.99	2,265,631.11	0.34	1,116.24	
4,676.00	90.62	186.24	186.80	-2,420.08	3,771.78	1,204.41 S	129.08 W	294,107.58	2,265,620.60	0.31	1,211.23	
4,770.00	90.55	186.85	187.41	-2,419.12	3,770.82	1,297.68 S	140.71 W	294,014.19	2,265,609.89	0.65	1,305.23	
4,865.00	89.57	187.10	187.66	-2,419.02	3,770.72	1,391.86 S	153.16 W	293,919.90	2,265,598.36	1.06	1,400.22	
4,959.00	89.26	185.45	186.01	-2,419.98	3,771.68	1,485.18 S	164.35 W	293,826.47	2,265,588.09	1.79	1,494.21	
5,054.00	89.63	186.20	186.76	-2,420.90	3,772.60	1,579.59 S	174.92 W	293,731.96	2,265,578.46	0.88	1,589.20	
5,145.00	89.97	186.90	187.46	-2,421.21	3,772.91	1,669.89 S	186.18 W	293,641.56	2,265,568.08	0.86	1,680.20	
5,236.00	90.49	187.33	187.89	-2,420.85	3,772.55	1,760.07 S	198.33 W	293,551.26	2,265,556.81	0.74	1,771.18	
5,327.00	91.05	187.00	187.56	-2,419.63	3,771.33	1,850.24 S	210.56 W	293,460.98	2,265,545.47	0.71	1,862.16	
5,418.00	89.10	186.21	186.77	-2,419.51	3,771.21	1,940.52 S	221.91 W	293,370.59	2,265,535.01	2.31	1,953.15	
5,508.00	90.55	186.25	186.81	-2,419.78	3,771.48	2,029.89 S	232.55 W	293,281.12	2,265,525.25	1.61	2,043.15	
5,600.00	90.80	186.12	186.68	-2,418.70	3,770.40	2,121.24 S	243.36 W	293,189.66	2,265,515.34	0.31	2,135.14	
5,690.00	90.59	186.13	186.69	-2,417.61	3,769.31	2,210.62 S	253.83 W	293,100.18	2,265,505.74	0.23	2,225.14	
5,781.00	89.66	186.25	186.81	-2,417.41	3,769.11	2,300.99 S	264.53 W	293,009.72	2,265,495.93	1.03	2,316.14	

Design Report for Pauly 3002 #6-1H / Job #9506284 / Nabors 102 - Wellbore #1

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
5,872.00	91.73	186.61	187.17	-2,416.30	3,768.00	2,391.30 S	275.60 W	292,919.30	2,265,485.75	2.31	2,407.12	
5,967.00	87.82	185.43	185.99	-2,416.68	3,768.38	2,485.66 S	286.49 W	292,824.84	2,265,475.79	4.30	2,502.10	
6,061.00	88.37	185.52	186.08	-2,419.80	3,771.50	2,579.08 S	296.36 W	292,731.32	2,265,466.83	0.59	2,596.04	
6,156.00	88.89	186.65	187.21	-2,422.07	3,773.77	2,673.42 S	307.35 W	292,636.89	2,265,456.77	1.31	2,691.01	
6,251.00	88.55	186.39	186.95	-2,424.19	3,775.89	2,767.67 S	319.06 W	292,542.53	2,265,445.99	0.45	2,785.99	
6,345.00	88.92	186.80	187.36	-2,426.27	3,777.97	2,860.91 S	330.76 W	292,449.17	2,265,435.20	0.59	2,879.96	
6,439.00	90.52	187.33	187.89	-2,426.73	3,778.43	2,954.08 S	343.24 W	292,355.89	2,265,423.64	1.79	2,973.95	
6,534.00	89.41	186.18	186.74	-2,426.79	3,778.49	3,048.30 S	355.33 W	292,261.55	2,265,412.47	1.68	3,068.94	
6,628.00	88.40	186.37	186.93	-2,428.58	3,780.28	3,141.62 S	366.52 W	292,168.13	2,265,402.21	1.09	3,162.92	
6,723.00	88.89	185.97	186.53	-2,430.83	3,782.53	3,235.93 S	377.65 W	292,073.71	2,265,392.00	0.67	3,257.89	
6,817.00	89.17	186.02	186.58	-2,432.42	3,784.12	3,329.31 S	388.38 W	291,980.24	2,265,382.19	0.30	3,351.88	
6,912.00	88.55	185.17	185.73	-2,434.31	3,786.01	3,423.74 S	398.56 W	291,885.71	2,265,372.94	1.11	3,446.85	
7,006.00	89.35	185.79	186.35	-2,436.03	3,787.73	3,517.20 S	408.45 W	291,792.16	2,265,363.96	1.08	3,540.83	
7,100.00	89.78	186.25	186.81	-2,436.75	3,788.45	3,610.58 S	419.22 W	291,698.68	2,265,354.11	0.67	3,634.83	
7,195.00	90.03	186.06	186.62	-2,436.91	3,788.61	3,704.93 S	430.33 W	291,604.22	2,265,343.93	0.33	3,729.83	
7,289.00	91.08	186.95	187.51	-2,435.99	3,787.69	3,798.21 S	441.89 W	291,510.84	2,265,333.29	1.46	3,823.82	
7,384.00	88.98	185.72	186.28	-2,435.94	3,787.64	3,892.51 S	453.29 W	291,416.42	2,265,322.81	2.56	3,918.81	
7,478.00	90.03	186.95	187.51	-2,436.76	3,788.46	3,985.82 S	464.58 W	291,323.00	2,265,312.44	1.72	4,012.80	
7,573.00	91.29	187.03	187.59	-2,435.66	3,787.36	4,079.99 S	477.06 W	291,228.72	2,265,300.89	1.33	4,107.79	
7,667.00	89.44	186.62	187.18	-2,435.06	3,786.76	4,173.21 S	489.14 W	291,135.39	2,265,289.72	2.02	4,201.77	
7,761.00	89.78	186.21	186.77	-2,435.70	3,787.40	4,266.51 S	500.55 W	291,041.98	2,265,279.22	0.57	4,295.77	
7,856.00	88.83	186.72	187.28	-2,436.86	3,788.56	4,360.79 S	512.17 W	290,947.59	2,265,268.53	1.13	4,390.76	
7,950.00	89.20	186.53	187.09	-2,438.47	3,790.17	4,454.04 S	523.93 W	290,854.23	2,265,257.69	0.44	4,484.74	
8,045.00	88.46	186.88	187.44	-2,440.41	3,792.11	4,548.25 S	535.94 W	290,759.90	2,265,246.61	0.86	4,579.72	
8,139.00	88.33	186.55	187.11	-2,443.04	3,794.74	4,641.46 S	547.84 W	290,666.58	2,265,235.63	0.38	4,673.68	
8,315.00	88.03	186.12	186.68	-2,448.63	3,800.33	4,816.10 S	568.96 W	290,491.75	2,265,216.22	0.30	4,849.59	Last MWD Survey
8,339.08	88.03	186.12	186.68	-2,449.46	3,801.16	4,840.00 S	571.75 W	290,467.82	2,265,213.66	0.00	4,873.65	Cross 330' FSL/339' FWL @ 8,339.08' MD / 3,801.16' TVD
8,368.00	88.03	186.12	186.68	-2,450.46	3,802.16	4,868.71 S	575.12 W	290,439.08	2,265,210.58	0.00	4,902.56	Projected to TD

Design Report for Pauly 3002 #6-1H / Job #9506284 / Nabors 102 - Wellbore #1

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
125.00	124.99	-0.46	1.40	First MWD Survey
8,315.00	3,800.33	-4,816.10	-568.96	Last MWD Survey
8,339.08	3,801.16	-4,840.00	-571.75	Cross 330' FSL/339' FWL @ 8,339.08' MD / 3,801.16' TVD
8,368.00	3,802.16	-4,868.71	-575.12	Projected to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	186.74	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
125.00	8,368.00	MWD Surveys	MWD+SC

Design Targets

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

Directional Difficulty Index

Average Dogleg over Survey:	1.89 °/100ft	Maximum Dogleg over Survey:	13.59 °/100ft at 3,552.00 ft
Net Tortousity applicable to Plans:	0.65 °/100ft	Directional Difficulty Index:	6.235

Audit Info

North Reference Sheet for Sec 06-T30S-R2W - Pauly 3002 #6-1H / Job #9506284 / Nabors 102 - Wellbore #1

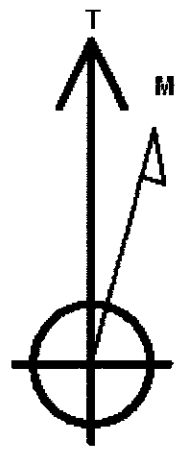
All data is in Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to WELL @ 1351.70ft (Original Well Elev). Northing and Easting are relative to Pauly 3002 #6-1H / Job #9506284 / Nabors 102

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: 0.99996569

Grid Coordinates of Well: 295,313.19 ft N, 2,265,737.85 ft E
Geographical Coordinates of Well: 37° 28' 26.86" N, 097° 35' 03.48" W
Grid Convergence at Surface is: 0.56°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,368.00ft
the Bottom Hole Displacement is 4,902.56ft in the Direction of 186.74° (True).

Magnetic Convergence at surface is: -3.79° (11 July 2012, , BGGM2012)

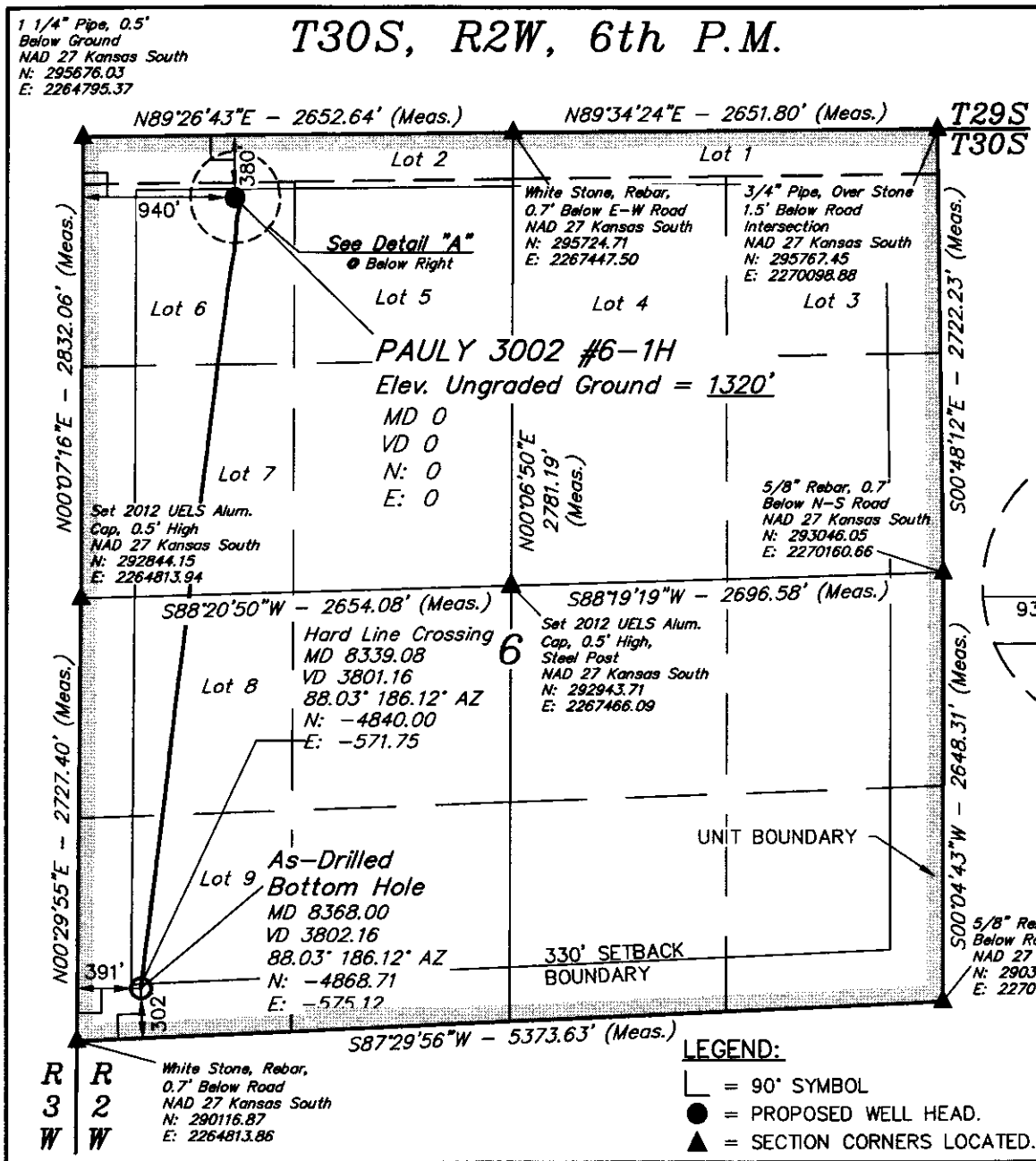


Magnetic Model:	BGGM2012
Date:	11-Jul-12
Declination:	4.35°
Inclination/Dip:	65.83°
Field Strength:	52066

Grid North is 0.56° East of True North (Grid Convergence)
Magnetic North is 4.35° East of True North (Magnetic Declination)
Magnetic North is 3.79° East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.56°
To convert a Magnetic Direction to a True Direction, Add 4.35° East
To convert a Magnetic Direction to a Grid Direction, Add 3.79°

T30S, R2W, 6th P.M.



SGOMI

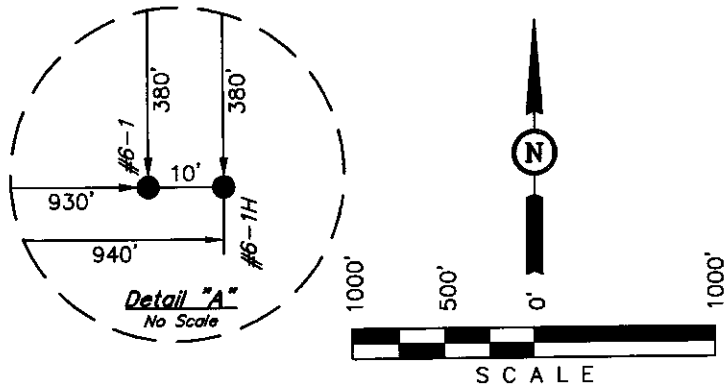
Well location, PAULY 3002 #6-1H, located as shown in Lot 6 of Section 6, T30S, R2W, 6th P.M., Sumner County, Kansas.

BASIS OF ELEVATION

BLACK ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 25, T31S, R4W, 6th P.M. TAKEN FROM THE MILAN, QUADRANGLE, KANSAS, SUMNER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1333 FEET.

BASIS OF BEARINGS

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



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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161
STATE OF KANSAS

11-30-12

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

NOTE:
AS-DRILLED WELL BORE PATH AND INFORMATION PROVIDED BY SGOMI.

NAD 83 (#6-1H AS-DRILLED BOTTOM HOLE)	NAD 83 (#6-1H SURFACE LOCATION)
LATITUDE = 37°27'38.80" (37.460778)	LATITUDE = 37°28'26.93" (37.474147)
LONGITUDE = 97°35'11.86" (97.586628)	LONGITUDE = 97°35'04.65" (97.584625)
NAD 27 (#6-1H AS-DRILLED BOTTOM HOLE)	NAD 27 (#6-1H SURFACE LOCATION)
LATITUDE = 37°27'38.73" (37.460758)	LATITUDE = 37°28'26.86" (37.474128)
LONGITUDE = 97°35'10.68" (97.586300)	LONGITUDE = 97°35'03.48" (97.584300)
STATE PLANE NAD 27 (KANSAS SOUTH)	STATE PLANE NAD 27 (KANSAS SOUTH)
N: 290439.89 E: 2265205.00	N: 295313.19 E: 2265737.85

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-24-12	DATE DRAWN: 11-15-12
PARTY J.P. B.L. C.A.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE SGOMI	

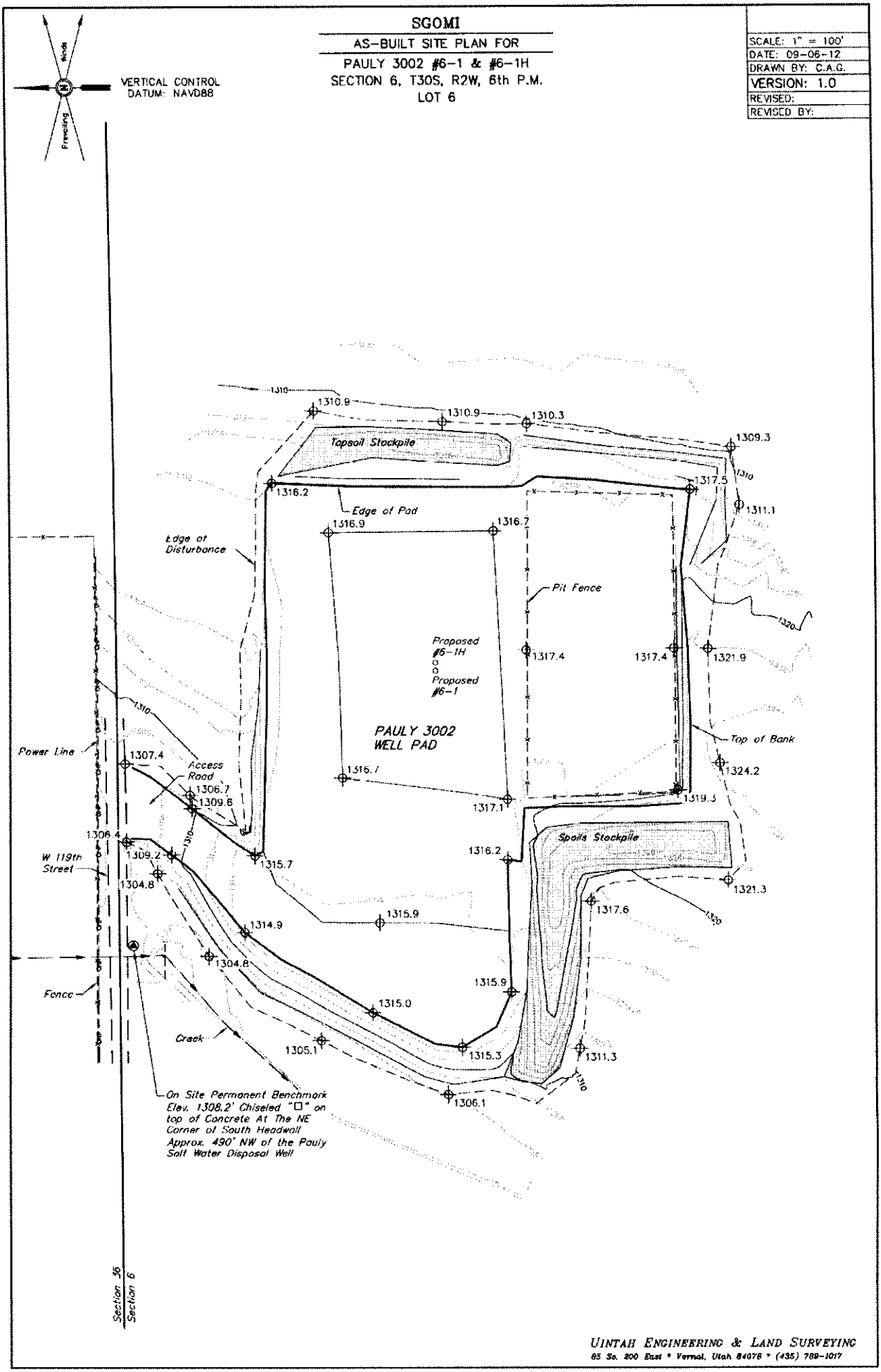
SGOMI

AS-BUILT SITE PLAN FOR

PAULY 3002 #6-1 & #6-1H
SECTION 6, T30S, R2W, 6th P.M.
LOT 6

SCALE: 1" = 100'
DATE: 09-06-12
DRAWN BY: C.A.G.
VERSION: 1.0
REVISED:
REVISED BY:

VERTICAL CONTROL
DATUM: NAVD88



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