

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34516  
Name: Vitruvian Exploration, LLC  
Address 1: 4 Waterway Sq. Pl., Ste 400  
Address 2: \_\_\_\_\_  
City: The Woodlands State: TX Zip: 77380 + \_\_\_\_\_  
Contact Person: Blake Cantley  
Phone: ( 832 ) 458-3169  
CONTRACTOR: License # 33596  
Name: Unit Petroleum Company  
Wellsite Geologist: Bo Babb  
Purchaser: Sentinel

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**DEC 22 2011**  
**KCC-WICHITA**

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 #: \_\_\_\_\_

06/01/2011	08/18/2011	10/19/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 191-22603-01-00  
Spot Description: \_\_\_\_\_  
NW SE SE SW Sec. 5 Twp. 35 S. R. 3  East  West  
365 Feet from  North /  South Line of Section  
2,203 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Sumner  
Lease Name: Willey Well #: 1-05H  
Field Name: \_\_\_\_\_  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 1160 Kelly Bushing: 18  
Total Depth: 8498 Plug Back Total Depth: 8453  
Amount of Surface Pipe Set and Cemented at: 298 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: 1200 ppm Fluid volume: 8000 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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: \_\_\_\_\_  
Title: Completions Engineer Date: 12/15/11

**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: Dg Date: 2/2/12

Operator Name: Vitruvian Exploration, LLC Lease Name: Willey Well #: 1-05H  
 Sec. 5 Twp. 35 S. R. 3  East  West County: Sumner

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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 checked="" 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
Surface	12-1/4"	9-5/8"	36	298			
Intermediate	8-3/4"	7"	23	4936			
Prod. Liner	6-1/8"	4-1/2"	11.6	4570-8600			

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				

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
6 spf	4970-8428	99,000 gal acid, 46,200 bbl water, 99,825,00# sand	4970-8428

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TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>4550'</u> Packer At:		Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/19/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>85</u>	Gas Mcf <u>506</u>
	Water Bbls. <u>3400</u>	Gas-Oil Ratio <u>5952</u>
		Gravity <u>42</u>

**KCC WICHITA**

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4970-8428' md</u>
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# Vitruvian Exploration

Sumner County (NAD 27)

Sec 05-T35S-R03W

Willey 35-03 #1-5H / Job #8179867 / Unit 309

Wellbore ST1

Design: Wellbore ST1

## Sperry Drilling Services Combo Report With Grid North & True North

22 August, 2011

Well Coordinates: 131,716.00 N, 2,243,820.00 E (37° 01' 31.46" N, 097° 39' 53.54" W)

Ground Level: 1,160.00 ft

Local Coordinate Origin:

Centered on Well Willey 35-03 #1-5H / Job #8179867 / Unit 309

Viewing Datum:

WELL @ 1179.00ft (Original Well Elev)

TVDs to System:

N

North Reference:

Grid

Unit System:

API-US-new

Version: 2003.21 Build: 43

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HALLIBURTON

Design Report for Willey 35-03 #1-5H / Job #8179867 / Unit 309 - Wellbore ST1

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	0.00	0.51	1,179.00	0.00	0.00 N	0.00 E	131,716.00	2,243,820.00	0.00	0.00	
782.00	0.50	51.80	52.31	397.01	781.99	2.11 N	2.68 E	131,718.11	2,243,822.68	0.06	2.07	First Single Shot
1,279.00	0.50	49.20	49.71	-99.97	1,278.97	4.87 N	6.03 E	131,720.87	2,243,826.03	0.00	4.79	
1,782.00	0.80	55.60	56.11	-602.94	1,781.94	8.29 N	10.59 E	131,724.29	2,243,830.59	0.06	8.14	Last single Shot
2,478.00	0.47	71.28	71.79	-1,298.90	2,477.90	11.95 N	17.30 E	131,727.95	2,243,837.30	0.05	11.71	First MWD Survey
2,585.00	5.86	343.51	344.02	-1,405.71	2,584.71	17.33 N	16.16 E	131,733.33	2,243,836.16	5.48	17.11	
2,632.00	6.70	343.01	343.52	-1,452.42	2,631.42	22.25 N	14.68 E	131,738.25	2,243,834.68	1.79	22.05	
2,723.00	6.30	345.14	345.65	-1,542.84	2,721.84	32.16 N	11.85 E	131,748.16	2,243,831.85	0.51	31.99	
2,815.00	6.85	340.85	341.36	-1,634.23	2,813.23	42.22 N	8.75 E	131,758.22	2,243,828.75	0.80	42.09	
2,907.00	6.80	335.13	335.64	-1,725.58	2,904.58	52.34 N	4.66 E	131,768.34	2,243,824.66	0.74	52.27	
3,001.00	7.53	333.55	334.06	-1,818.85	2,997.85	62.91 N	0.42 W	131,778.91	2,243,819.58	0.80	62.91	
3,096.00	7.25	341.53	342.04	-1,913.06	3,092.06	74.16 N	5.09 W	131,790.16	2,243,814.91	1.12	74.23	
3,190.00	8.79	346.17	346.68	-2,006.14	3,185.14	86.77 N	8.69 W	131,802.77	2,243,811.31	1.78	86.88	
3,285.00	6.92	341.59	342.10	-2,100.25	3,279.25	99.25 N	12.23 W	131,815.25	2,243,807.77	2.07	99.40	
3,379.00	5.21	340.55	341.06	-2,193.72	3,372.72	108.64 N	15.44 W	131,824.64	2,243,804.56	1.82	108.84	
3,474.00	4.98	339.74	340.25	-2,288.34	3,467.34	116.58 N	18.30 W	131,832.58	2,243,801.70	0.25	116.82	
3,569.00	5.13	345.08	345.59	-2,382.97	3,561.97	124.55 N	20.83 W	131,840.55	2,243,799.17	0.52	124.82	
3,664.00	6.85	348.86	349.37	-2,477.45	3,656.45	134.21 N	23.01 W	131,850.21	2,243,796.99	1.86	134.52	
3,696.00	7.05	349.37	349.88	-2,509.22	3,688.22	138.02 N	23.75 W	131,854.02	2,243,796.25	0.65	138.33	
3,727.00	6.17	350.76	351.27	-2,540.01	3,719.01	141.53 N	24.36 W	131,857.53	2,243,795.64	2.89	141.85	
3,759.00	8.04	347.59	348.10	-2,571.76	3,750.76	145.41 N	25.12 W	131,861.41	2,243,794.88	5.97	145.74	
3,790.00	11.15	339.87	340.38	-2,602.33	3,781.33	150.35 N	26.62 W	131,866.35	2,243,793.38	10.84	150.70	
3,822.00	13.83	337.16	337.67	-2,633.57	3,812.57	156.78 N	29.17 W	131,872.78	2,243,790.83	8.57	157.16	
3,854.00	15.27	337.87	338.38	-2,664.54	3,843.54	164.21 N	32.24 W	131,880.21	2,243,787.76	4.53	164.63	
3,886.00	17.33	340.76	341.27	-2,695.25	3,874.25	172.61 N	35.40 W	131,888.61	2,243,784.60	6.92	173.08	
3,918.00	18.45	343.92	344.43	-2,725.70	3,904.70	181.98 N	38.37 W	131,897.98	2,243,781.63	4.63	182.48	
3,949.00	20.78	343.18	343.69	-2,754.90	3,933.90	191.96 N	41.32 W	131,907.96	2,243,778.68	7.56	192.50	
3,981.00	23.66	343.32	343.83	-2,784.52	3,963.52	203.54 N	44.81 W	131,919.54	2,243,775.19	9.00	204.13	
4,013.00	25.83	343.74	344.25	-2,813.58	3,992.58	216.39 N	48.60 W	131,932.39	2,243,771.40	6.80	217.03	
4,045.00	27.74	344.03	344.54	-2,842.15	4,021.15	230.24 N	52.61 W	131,946.24	2,243,767.39	5.98	230.94	
4,077.00	29.26	345.51	346.02	-2,870.27	4,049.27	244.97 N	56.61 W	131,960.97	2,243,763.39	5.24	245.72	
4,109.00	32.38	347.43	347.94	-2,897.75	4,076.75	260.91 N	60.43 W	131,976.91	2,243,759.57	10.22	261.71	
4,140.00	35.14	349.39	349.90	-2,923.52	4,102.52	277.79 N	63.88 W	131,993.79	2,243,756.12	9.57	278.63	
4,171.00	37.02	350.90	351.41	-2,948.57	4,127.57	295.77 N	67.00 W	132,011.77	2,243,753.00	6.71	296.66	
4,203.00	38.77	351.16	351.67	-2,973.83	4,152.83	315.19 N	70.07 W	132,031.19	2,243,749.93	5.49	316.11	
4,235.00	40.60	349.82	350.33	-2,998.45	4,177.45	335.34 N	73.45 W	132,051.34	2,243,746.55	6.31	336.31	
4,266.00	43.78	348.98	349.49	-3,021.42	4,200.42	355.80 N	77.28 W	132,071.80	2,243,742.72	10.42	356.82	

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Design Report for Willey 35-03 #1-5H / Job #8179867 / Unit 309 - Wellbore ST1

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
4,298.00	46.67	348.77	349.28	-3,043.95	4,222.95	378.08 N	81.66 W	132,094.08	2,243,738.34	9.04	379.16	
4,329.00	49.60	348.89	349.40	-3,064.64	4,243.64	400.73 N	86.14 W	132,116.73	2,243,733.86	9.46	401.87	
4,360.00	52.07	350.33	350.84	-3,084.22	4,263.22	424.37 N	90.46 W	132,140.37	2,243,729.54	8.74	425.56	
4,392.00	54.92	351.50	352.01	-3,103.25	4,282.25	449.77 N	94.52 W	132,165.77	2,243,725.48	9.38	451.01	
4,423.00	57.54	353.24	353.75	-3,120.48	4,299.48	475.30 N	97.94 W	132,191.30	2,243,722.06	9.65	476.59	
4,455.00	59.92	354.73	355.24	-3,137.09	4,316.09	502.50 N	100.80 W	132,218.50	2,243,719.20	8.44	503.83	
4,486.00	61.49	356.85	357.36	-3,152.26	4,331.26	529.46 N	102.78 W	132,245.46	2,243,717.22	7.82	530.81	
4,518.00	62.17	357.83	358.34	-3,167.37	4,346.37	557.64 N	104.09 W	132,273.64	2,243,715.91	3.44	559.01	
4,550.00	63.05	358.23	358.74	-3,182.09	4,361.09	586.04 N	105.06 W	132,302.04	2,243,714.94	2.97	587.41	
4,582.00	64.42	358.40	358.91	-3,196.25	4,375.25	614.72 N	105.91 W	132,330.72	2,243,714.09	4.31	616.10	
4,613.00	66.63	359.46	359.97	-3,209.09	4,388.09	642.93 N	106.43 W	132,358.93	2,243,713.57	7.78	644.32	
4,645.00	69.24	0.55	1.06	-3,221.11	4,400.11	672.58 N	106.43 W	132,388.58	2,243,713.57	8.75	673.97	
4,676.00	70.18	1.03	1.54	-3,231.86	4,410.86	701.65 N	106.02 W	132,417.65	2,243,713.98	3.36	703.03	
4,707.00	71.58	1.15	1.66	-3,242.02	4,421.02	730.94 N	105.47 W	132,446.94	2,243,714.53	4.53	732.31	
4,739.00	73.29	1.42	1.93	-3,251.67	4,430.67	761.44 N	104.78 W	132,477.44	2,243,715.22	5.40	762.79	
4,771.00	75.73	1.22	1.73	-3,260.22	4,439.22	792.26 N	104.07 W	132,508.26	2,243,715.93	7.65	793.61	
4,802.00	78.38	1.06	1.57	-3,267.16	4,446.16	822.47 N	103.47 W	132,538.47	2,243,716.53	8.56	823.80	
4,833.00	81.40	0.64	1.15	-3,272.60	4,451.60	852.98 N	103.02 W	132,568.98	2,243,716.98	9.83	854.30	
4,865.00	84.18	0.64	1.15	-3,276.62	4,455.62	884.72 N	102.66 W	132,600.72	2,243,717.34	8.69	886.04	
4,897.00	87.50	1.20	1.71	-3,278.94	4,457.94	916.63 N	102.15 W	132,632.63	2,243,717.85	10.52	917.93	
4,992.00	93.92	3.36	3.87	-3,277.76	4,456.76	1,011.49 N	98.38 W	132,727.49	2,243,721.62	7.13	1,012.74	
5,087.00	92.04	3.04	3.55	-3,272.83	4,451.83	1,106.21 N	93.08 W	132,822.21	2,243,726.92	2.01	1,107.37	
5,183.00	89.38	2.01	2.52	-3,271.64	4,450.64	1,202.10 N	88.85 W	132,918.10	2,243,731.15	2.97	1,203.20	
5,278.00	90.09	1.61	2.12	-3,272.08	4,451.08	1,297.05 N	85.85 W	133,013.05	2,243,734.15	0.86	1,298.10	
5,372.00	89.57	0.26	0.77	-3,272.35	4,451.35	1,391.03 N	84.32 W	133,107.03	2,243,735.68	1.54	1,392.05	
5,468.00	91.57	0.14	0.65	-3,271.40	4,450.40	1,487.02 N	83.98 W	133,203.02	2,243,736.02	2.09	1,488.03	
5,563.00	92.31	0.69	1.20	-3,268.18	4,447.18	1,581.97 N	83.30 W	133,297.96	2,243,736.70	0.97	1,582.95	
5,658.00	90.80	1.14	1.65	-3,265.61	4,444.61	1,676.92 N	81.78 W	133,392.91	2,243,738.22	1.66	1,677.87	
5,752.00	89.29	0.36	0.87	-3,265.53	4,444.53	1,770.90 N	80.55 W	133,486.90	2,243,739.45	1.81	1,771.84	
5,848.00	90.43	1.53	2.04	-3,265.77	4,444.77	1,866.89 N	78.97 W	133,582.88	2,243,741.03	1.70	1,867.79	
5,943.00	91.11	1.54	2.05	-3,264.49	4,443.49	1,961.84 N	76.42 W	133,677.84	2,243,743.58	0.72	1,962.70	
6,037.00	91.48	0.31	0.82	-3,262.37	4,441.37	2,055.81 N	74.90 W	133,771.80	2,243,745.10	1.37	2,056.64	
6,091.00	92.87	359.66	360.17	-3,260.32	4,439.32	2,109.77 N	74.92 W	133,825.76	2,243,745.08	2.84	2,110.59	
6,154.00	94.90	359.75	360.26	-3,256.05	4,435.05	2,172.62 N	75.24 W	133,888.61	2,243,744.76	3.23	2,173.44	
6,248.00	93.18	358.29	358.80	-3,249.43	4,428.43	2,266.36 N	76.85 W	133,982.36	2,243,743.15	2.40	2,267.20	
6,343.00	90.15	357.77	358.28	-3,246.67	4,425.67	2,361.26 N	80.11 W	134,077.25	2,243,739.89	3.24	2,362.13	
6,436.00	91.02	357.18	357.69	-3,245.72	4,424.72	2,454.16 N	84.21 W	134,170.15	2,243,735.79	1.13	2,455.08	

RECEIVED  
 JAN 31 2012  
 ESC WICHITA

Design Report for Willey 35-03 #1-5H / Job #8179867 / Unit 309 - Wellbore ST1

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	True Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates			Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
						Northing (ft)	Easting (ft)		Northing (ft)	Easting (ft)			
6,530.00	93.36	357.79	358.30	-3,242.12	4,421.12	2,547.99 N	88.33 W		134,263.99	2,243,731.67	2.57	2,548.96	
6,625.00	91.42	358.16	358.67	-3,238.16	4,417.16	2,642.85 N	91.68 W		134,358.84	2,243,728.32	2.08	2,643.85	
6,719.00	90.80	358.58	359.09	-3,236.34	4,415.34	2,736.79 N	94.36 W		134,452.78	2,243,725.64	0.80	2,737.82	
6,813.00	92.04	358.65	359.16	-3,234.01	4,413.01	2,830.73 N	96.63 W		134,546.73	2,243,723.37	1.32	2,831.79	
6,908.00	91.76	357.73	358.24	-3,230.86	4,409.86	2,925.63 N	99.63 W		134,641.63	2,243,720.37	1.01	2,926.72	
7,002.00	89.17	356.57	357.08	-3,230.10	4,409.10	3,019.50 N	104.30 W		134,735.50	2,243,715.70	3.02	3,020.64	
7,097.00	89.63	356.41	356.92	-3,231.09	4,410.09	3,114.32 N	110.12 W		134,830.31	2,243,709.88	0.51	3,115.53	
7,193.00	90.28	355.66	356.17	-3,231.17	4,410.17	3,210.09 N	116.75 W		134,926.08	2,243,703.25	1.03	3,211.38	
7,288.00	92.06	356.16	356.67	-3,229.23	4,408.23	3,304.82 N	123.53 W		135,020.82	2,243,696.47	1.95	3,306.20	
7,382.00	91.97	353.59	354.10	-3,225.92	4,404.92	3,398.38 N	131.92 W		135,114.37	2,243,688.08	2.73	3,399.86	
7,478.00	88.30	353.80	354.31	-3,225.70	4,404.70	3,493.78 N	142.46 W		135,209.78	2,243,677.54	3.83	3,495.40	
7,573.00	87.23	351.88	352.39	-3,229.40	4,408.40	3,587.96 N	154.29 W		135,303.96	2,243,665.71	2.31	3,589.73	
7,668.00	88.33	352.35	352.86	-3,233.08	4,412.08	3,681.99 N	167.31 W		135,397.99	2,243,652.69	1.26	3,683.93	
7,763.00	88.24	352.16	352.67	-3,235.93	4,414.93	3,776.09 N	180.11 W		135,492.08	2,243,639.89	0.22	3,778.19	
7,858.00	89.08	351.83	352.34	-3,238.15	4,417.15	3,870.13 N	193.34 W		135,586.13	2,243,626.66	0.95	3,872.41	
7,954.00	93.52	352.73	353.24	-3,235.97	4,414.97	3,965.21 N	206.23 W		135,681.21	2,243,613.78	4.72	3,967.65	
8,049.00	93.12	352.60	353.11	-3,230.47	4,409.47	4,059.28 N	218.33 W		135,775.27	2,243,601.67	0.44	4,061.87	
8,144.00	90.00	353.06	353.57	-3,227.88	4,406.88	4,153.49 N	230.18 W		135,869.48	2,243,589.82	3.32	4,156.24	
8,238.00	87.66	354.51	355.02	-3,229.80	4,408.80	4,246.91 N	240.36 W		135,962.90	2,243,579.64	2.93	4,249.79	
8,333.00	87.97	355.55	356.06	-3,233.42	4,412.42	4,341.48 N	248.58 W		136,057.47	2,243,571.42	1.14	4,344.46	Last MWD Survey
8,500.00	87.97	355.55	356.06	-3,239.34	4,418.34	4,507.87 N	261.53 W		136,223.86	2,243,558.47	0.00	4,511.01	Projection to TD @ 8,500' MD

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
782.00	781.99	2.11	2.68	First Single Shot
1,782.00	1,781.94	8.29	10.59	Last single Shot
2,478.00	2,477.90	11.95	17.30	First MWD Survey
8,333.00	4,412.42	4,341.48	-248.58	Last MWD Survey
8,500.00	4,418.34	4,507.87	-261.53	Projection to TD @ 8,500' MD

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Design Report for Willey 35-03 #1-5H / Job #8179867 / Unit 309 - Wellbore ST1

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	359.22	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
782.00	1,782.00	Single Shot	Corrected MSS Surveys
2,478.00	8,500.00	MWD Surveys	MWD+SC

Design Targets

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

Directional Difficulty Index

Average Dogleg over Survey:	2.08 °/100ft	Maximum Dogleg over Survey:	10.84 °/100ft at 3,790.00 ft
Net Tortousity applicable to Plans:	0.96 °/100ft	Directional Difficulty Index:	6.185

Audit Info

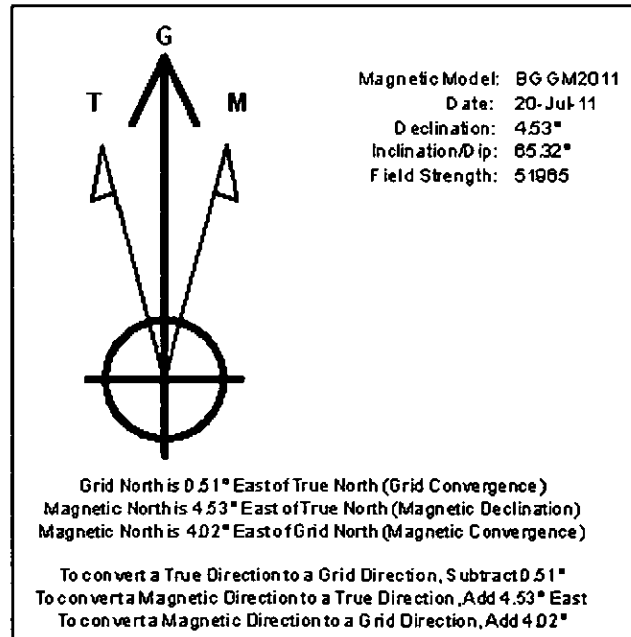
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**North Reference Sheet for Sec 05-T35S-R03W - Willey 35-03 #1-5H / Job #8179867 / Unit 309 - Wellbore ST1**

All data is in Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.  
 Vertical Depths are relative to WELL @ 1179.00ft (Original Well Elev). Northing and Easting are relative to Willey 35-03 #1-5H / Job #8179867 / Unit 309  
 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: 1.00005617

Grid Coordinates of Well: 131,716.00 ft N, 2,243,820.00 ft E  
 Geographical Coordinates of Well: 37° 01' 31.46" N, 097° 39' 53.54" W  
 Grid Convergence at Surface is: 0.51°

Based upon Minimum Curvature type calculations, at a Measured Depth of 8,500.00ft  
 the Bottom Hole Displacement is 4,515.45ft in the Direction of 356.68° (Grid).  
 Magnetic Convergence at surface is: -4.02° (20 July 2011, , BGGM2011)



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**CONSOLIDATED**  
Oil Well Services, LLC

# 243351

TICKET NUMBER 32334

LOCATION Bordelville

FOREMAN Jawon Bell

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-5-11	9588	Willey 35-03 #1-05H ST	5	35S	3W	Sumner
CUSTOMER Vitrusion Exploration			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			492	Chancy		
CITY			419	James A		
STATE			402793	James B		
ZIP CODE						

JOB TYPE Intro. L.S. HOLE SIZE 8 3/4 HOLE DEPTH 4936 CASING SIZE & WEIGHT 7  
 CASING DEPTH 4936 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14 SLURRY VOL 202.9 cu ft WATER gal/sk 6 CEMENT LEFT in CASING 43.97  
 DISPLACEMENT 192.5 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI 6 RATE \_\_\_\_\_

REMARKS: Ran 15 lbs of fresh water ahead of cement. Ran 495 sks of 60/40 po2 270 gal 10% salt 4 phos .5 4R-12. 5" Kalseal. Shut down pump plug pumped plug to bottom at 3.5 hrs cement plug landed. Plug stay on bottom when we released pressure.

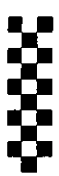
Final Psi Displace circulate = 500psi  
Plug down at = 1300psi

*X Saffy Whiting X*  
*CO JB*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 D	1	PUMP CHARGE		1350.00
5406	120	MILEAGE		480.00
5407 A	80	bulkhead (con mileage)		1008.00
5462	4936	footage		1036.86
5609	3x15	Misc labor		2000.00
1131	495 sks	60/40 Po2		5915.25
1107	200 #	Phos		244.00
1118b	600 #	Gal		120.00
1111	2400 #	Salt		840.00
3125	5 gal	99% Acetic Acid		78.50
1110A	2500 #	Kalseal		1100.00
1147	250 #	Diocel HTR		1550.00
4409	1	7" Rubber Plug		82.00
Well Name: <u>Willey 35-3 #1-5H-ST</u>				
AFE: <u>07170</u>	Cost Code: <u>1260</u>	<u>10% discount of price in 30 days = 1652.92</u>		
Date: <u>8-5-11</u>		<u>14876.25</u>		
Company Man: <u>[Signature]</u>		2.3 % SALES TAX		658.38
		ESTIMATED TOTAL		16529.18

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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



# F A X

## Consolidated Oil Well Services LLC

1322 S Grant  
P O Box 884  
Chanute KS 66720  
620.431.9210  
www.cows.bz



To: Reuben w/Vitruvian Expl  
Fax number: 832.458.3101

From: Gayla Fickel, A/P  
Fax number: 620.431.0012

Date: **01/17/12**

Regarding: Copy of Cement Job Report

Phone number for follow-up: 620.431.9210

**Comments: If the attached doesn't have what you are needing, let me know. My e-mail is [gfickel@cows.bz](mailto:gfickel@cows.bz). Thanks.**

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**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/487-8678  
FAX 620/431-0012

**INVOICE**

Invoice # **243351**

Invoice Date: 08/16/2011 Terms: 10/10/30,n/30

Page **1**

VITRUVIAN EXPLORATION, LLC  
4 WATERWAY SQUARE, SUITE 400  
THE WOODLANDS TX 77308  
(832) 458-3100

WILLEY 35-03 #1-05 HST  
32334  
08/05/11  
5-358-3W  
K9

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	495.00	11.9500	5915.25
1107A	PHENOSEAL (M) 40# BAG)	200.00	1.2200	244.00
1118B	PREMIUM GEL / BENTONITE	600.00	.2000	120.00
1111	GRANULATED SALT (50 #)	2400.00	.3500	840.00
3125	99% ACETIC ACID	5.00	15.7000	78.50
1110A	KOL SEAL (50# BAG)	2500.00	.4400	1100.00
1147	DIACEL HTR	250.00	6.2000	1550.00
4409	7" RUBBER PLUG(TOP)	1.00	82.0000	82.00

Sublet Performed	Description	Total
9999-240	CASH DISCOUNT	-587.46
9999-240	CASH DISCOUNT	-992.98

Description	Hours	Unit Price	Total
419 MISC. PUMP (CEMENT TRUCK) MIT WASH	5.00	200.00	1000.00
T-93 TON MILEAGE DELIVERY	80.00	12.60	1008.00
492 DOUBLE PUMP	1.00	1350.00	1350.00
492 EQUIPMENT MILEAGE (ONE WAY)	120.00	4.00	480.00
492 CASING FOOTAGE	4936.00	.21	1036.56
492 MISC. PUMP (CEMENT TRUCK) MIT WASH	5.00	200.00	1000.00

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Amount Due 16529.18 if paid after 09/15/2011

Parts:	9929.75	Freight:	.00	Tax:	652.38	AR	14876.25
Labor:	.00	Misc:	.00	Total:	14876.25		
Sublt:	-1580.44	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLETTVILLE, Ok  
918/338-0808

ELDORADO, KS  
318/222-7022

EUREKA, KS  
620/583-7864

GILLETTE, WY  
307/686-4914

OAKLEY, KS  
785/672-2227

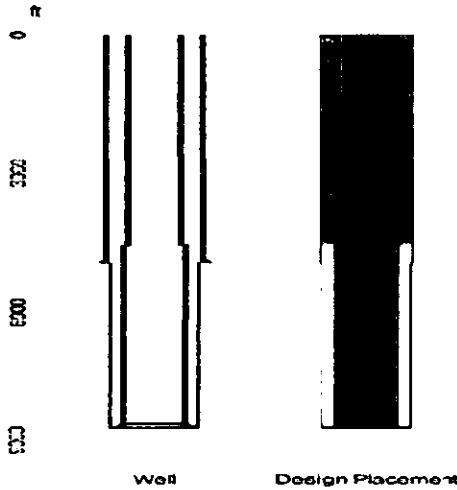
OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5289

WORLDWIDE, WY  
307/347-4877



## WELL DATA



Well Data	
Job Type :	Linear Cementing
Total Depth (Measured) :	8500.0 ft
True Vertical Depth (TVD) :	4416.0 ft
BHST (Tubular Bottom Static Temperature) :	142 degF
BHCT (Tubular Bottom Circulating Temperature) :	142 degF

Open Hole		
Mean Diameter without Excess	Bottom Depth	Annular Excess
6.125 in	8500.0 ft	5.0 %

Previous Casing					
OD	Weight	Grade	Thread	Inner Capacity	Bottom Depth
7 in	26.0 lb/ft	N-80	LTC	0.21 ft <sup>3</sup> /ft	4937.0 ft

Drill Pipe					
OD	Weight	Grade	Thread	Inner Capacity	Bottom Depth
4 in	14.0 lb/ft	X-95	MJ	0.06 ft <sup>3</sup> /ft	4570.0 ft

Casing					
OD	Weight	Grade	Thread	Inner Capacity	Bottom Depth
4 1/2 in	11.6 lb/ft	N-80	LTC	0.09 ft <sup>3</sup> /ft	8500.0 ft

**IMPORTANT:**

The well data shown on this page is based on information available when this treatment program was prepared. This data must be confirmed on location with the wellsite supervisor prior to the treatment. Any changes in the well data need to be reviewed for their impact on the treatment design.

Annular Capacity (without Excess) : Casing Bottom / Open Hole : 0.09 ft<sup>3</sup>/ft  
 Annular Capacity (without Excess) : Previous Casing Bottom / Casing : 0.10 ft<sup>3</sup>/ft

Fluid Placement			
Fluid Name	Volume bbl	Density lb/gal	Top of Fluid ft
MUDPUSH II	20.0	8.40	3679.7
FIELD BLEND TAIL	71.0	16.40	4560.0
Water	109.4	8.33	0.0

Total Liquid Volume : 200.4 bbl

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## FLUID SYSTEMS

MUDPUSH I			
<b>System</b>	MUDPUSH II		
<b>Density</b>	8.40 lb/gal		
<b>Total Volume</b>	20.0 bbl		
<b>Additives</b>	<b>Code</b>	<b>Description</b>	<b>Concentration</b>

FIELD BLEND TAIL (374 sacks, 94 lb per sack of Blend)			
<b>System</b>	Conventional		
<b>Density</b>	16.40 lb/gal		
<b>Yield</b>	1.07 ft <sup>3</sup> /sk		
<b>Mixed Water</b>	4.370 gal/sk		
<b>Mixed Fluid</b>	4.370 gal/sk		
<b>Total Volume</b>	71.0 bbl		
<b>Expected Thickening Time</b>	80 Bc at 04.13 hr.mn		
<b>Expected ISO/API Fluid Loss</b>	29 mL in 30.0 min		
<b>Additives</b>	<b>Code</b>	<b>Description</b>	<b>Concentration</b>
	H	Cement	94 lb/sk WBWOB
	D065	Dispersant	0.3 % BWOB
	D167	Fluid loss	0.2 % BWOB
	D046	Anti foam	0.2 % BWOB
	D198	Retarder	0.1 % BWOB

Water			
<b>System</b>	Water		
<b>Density</b>	8.33 lb/gal		
<b>Total Volume</b>	109.4 bbl		
<b>Additives</b>	<b>Code</b>	<b>Description</b>	<b>Concentration</b>

Some of the chemicals specified in this program may have toxic properties. All personnel should be familiar with the inherent dangers and appropriate safeguards to prevent accidental injury. Use of the chemicals may be governed by certain laws and regulations and should only be used in accordance with such. Please refer to the MSDS sheets for the recommended safety precautions and required minimum personal protective equipment.

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<b>Well</b>	WILLEY 35-3 1-5H ST	<b>Client</b>	VITRUVIAN EXPLORATION
<b>Field</b>		<b>SIR No.</b>	
<b>Engineer</b>	Nathan Smith	<b>Job Type</b>	PRODUCTION LINER
<b>Country</b>	United States	<b>Job Date</b>	08-19-2011

Time <small>MM/CC/YY 23:27</small>	Pressure	Rate	Density	Messages
04:33:22				Start Job Pressure Test Lines Start Pumping Spacer
04:43:00				Reset Total, Vol = 20.28 bbl End Spacer Start Mixing Tail Slurry
04:53:00				
05:03:00				End Tail Slurry WASH LINES Drop Top Plug Start Displacement
05:13:00				
05:23:00				
05:33:00				
05:43:00				
05:53:00				Bump Top Plug End Displacement Start Circulation
06:03:00				
06:13:00				RECEIVED JAN 31 2012 KCC WICHITA
06:23:00				End Circulation End Job
06:32:59				

hh:mm:ss

PSI

B/M

LB/G

08/19/2011 06:39:30



# Cementing Service Report

Customer <b>VITRUVIAN EXPLORATION</b>				Job Number <b>6061</b>			
Well <b>WILLEY 35-3 1-5M ST</b>		Location (legal) <b>SEC 5-35S-3W</b>		Schlumberger Location <b>RCK EL-RENO</b>		Job Start <b>Aug/19/2011</b>	
Field		Formation Name/Type		Deviation		Bit Size <b>6.2 in</b>	Well ID <b>6500.0 R</b>
County <b>SUMNER</b>		State/Province <b>Kansas</b>		Well TVD <b>8500.0 R</b>		Well TVD <b>8500.0 R</b>	
Well Header		API/WW1		BHP	BHS1	BHCT	Pore Press. Gradient
Rig Name	Drilled For <b>Oil &amp; Gas</b>	Service Via <b>Land</b>	Casing/Liner				
Offshore Zone	Well Class <b>New</b>	Well Type <b>Development</b>	Depth, R	Size, in	Weight, lb/R	Grade	Thread
Drilling Field Type	Max. Density	Plastic Viscosity	8500.0	4.500	11.6	N/A	
			0.0	0.000	0.0		
Service Line <b>Cementing</b>	Job Type <b>PRODUCTION LINER</b>	WH Connection <b>Single Cement head</b>	Tubing/Drill Pipe				
			Depth, R	Size, in	Weight, lb/ft	Grade	Thread
			4567.0	4.000	14.0		
			0.0	0.000	0.0		
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole				
		<b>Single Cement head</b>	Top,	Bottom,	No. of Shots	Total Interval	
Service Instructions							Diameter
			Treat Down Drill Pipe	Displacement <b>103.5 bbl</b>	Packer Type	Packer Depth	
			Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.	
Casing/Tubing Secured	<input type="checkbox"/> 1 Hole Vol. Circulated prior to Cement	<input checked="" type="checkbox"/>	Casing Tools		Squeeze Job		
LIR Pressure <b>1100 psi</b>	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type	Guide	Squeeze Type		
No. Centralizers	Top Pings <b>1</b>	Bottom Pings	Shoe Depth <b>8500.0 R</b>	Tool Type			
Cement Head Type	Stage Tool Type	Tool Depth	Stage Tool Depth	Tail Pipe Size			
Job Scheduled For <b>Aug/19/2011</b>	Arrived on Location <b>Aug/19/2011</b>	Leave Location <b>Aug/19/2011</b>	Collar Type	Float	Tail Pipe Depth		
			Collar Depth <b>8453.0 R</b>	Seq. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/W	Density LB/G	Volume BSL	Message	
08/19/2011	02:35:49					Started Acquisition	
08/19/2011	04:33:22	1	0.0	0.03	0.0		
08/19/2011	04:33:30					Start Job	
08/19/2011	04:33:30	2	0.0	0.03	0.0		
08/19/2011	04:33:35					Pressure Test Lines	
08/19/2011	04:33:35	1	0.0	0.03	0.0		
08/19/2011	04:33:38					Start Pumping Spacer	
08/19/2011	04:33:38	1	0.0	0.03	0.0		
08/19/2011	04:34:59	2	0.0	0.03	0.0		
08/19/2011	04:37:09	-1	0.1	0.03	0.0		
08/19/2011	04:39:19	78	0.0	7.42	1.0		
08/19/2011	04:41:29	42	0.0	8.48	2.0		
08/19/2011	04:43:39	1615	6.2	8.47	7.4		
08/19/2011	04:45:49	716	3.3	8.47	20.0		
08/19/2011	04:45:54					Reset Total, Vol = 20.28 bbl	
08/19/2011	04:45:54	685	3.3	8.47	20.3		
08/19/2011	04:45:58					End Spacer	
08/19/2011	04:45:58	703	3.3	8.49	20.5		
08/19/2011	04:46:01					Start Mixing Tail Slurry	
08/19/2011	04:46:01	698	3.2	8.46	20.7		
08/19/2011	04:47:59	1833	6.2	17.07	30.9		

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Well		Field		Job Start		Customer		Job Number	
WILLEY 35-3 1-5H ST				Aug/19/2011		VITRUVIAN EXPLORATION		8081	
Date	Time 24-hr clock	Tracting Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/19/2011	04:52:19	1476	6.2	16.95	58.2				
08/19/2011	04:54:29	743	5.8	17.28	70.7				
08/19/2011	04:56:39	696	5.7	17.39	82.9				
08/19/2011	04:58:49	852	5.7	17.19	95.2				
08/19/2011	04:59:44					End Tail Slurry			
08/19/2011	04:59:44	88	3.2	17.77	100.3				
08/19/2011	04:59:57					WASH LINES			
08/19/2011	04:59:57	25	0.0	16.24	100.5				
08/19/2011	04:59:58					Drop Top Plug			
08/19/2011	04:59:58	25	0.0	17.04	100.5				
08/19/2011	04:59:59					Start Displacement			
08/19/2011	04:59:59	24	0.0	17.14	100.5				
08/19/2011	05:00:59	19	0.0	16.73	100.5				
08/19/2011	05:03:09	470	4.2	9.30	100.9				
08/19/2011	05:05:19	75	4.1	8.65	109.7				
08/19/2011	05:07:29	5	1.3	8.36	116.0				
08/19/2011	05:09:39	6	0.0	8.34	116.3				
08/19/2011	05:11:49	5	0.0	8.35	116.3				
08/19/2011	05:13:59	4	0.0	8.36	116.3				
08/19/2011	05:16:09	401	8.2	8.36	129.0				
08/19/2011	05:18:19	1713	6.4	8.36	145.1				
08/19/2011	05:20:29	792	2.9	8.36	152.7				
08/19/2011	05:22:39	957	2.9	8.36	159.0				
08/19/2011	05:24:49	2123	6.2	8.36	170.7				
08/19/2011	05:26:59	2224	6.2	8.36	184.4				
08/19/2011	05:29:09	2318	6.4	8.36	198.1				
08/19/2011	05:31:19	1005	2.5	8.36	206.4				
08/19/2011	05:33:29	1034	2.5	8.36	211.8				
08/19/2011	05:35:39	1082	2.5	8.36	217.2				
08/19/2011	05:37:49	2204	0.0	8.36	218.9				
08/19/2011	05:39:59	2241	0.0	8.36	218.9				
08/19/2011	05:42:09	7	0.0	8.36	218.9				
08/19/2011	05:44:19	527	0.4	8.34	219.2				
08/19/2011	05:46:29	256	0.0	8.35	219.2				
08/19/2011	05:48:39	275	0.0	6.95	219.6				
08/19/2011	05:50:49	899	8.1	9.90	229.4				
08/19/2011	05:51:45					Bump Top Plug			
08/19/2011	05:51:45	840	4.4	9.06	233.8				
08/19/2011	05:51:46					End Displacement			
08/19/2011	05:51:46	801	4.4	9.06	233.9				
08/19/2011	05:51:49					Start Circulation			
08/19/2011	05:51:49	879	4.4	9.22	234.1				
08/19/2011	05:52:59	892	4.5	7.81	239.3				
08/19/2011	05:55:09	950	4.5	8.11	249.0				
08/19/2011	05:57:19	957	4.5	8.23	258.6				
08/19/2011	05:59:29	909	4.4	8.08	268.3				
08/19/2011	06:01:39	849	4.4	7.73	277.9				
08/19/2011	06:03:49	807	4.4	7.80	287.6				
08/19/2011	06:05:59	724	4.4	7.77	297.2				
08/19/2011	06:08:09	550	4.4	7.87	306.8				
08/19/2011	06:10:19	593	4.4	7.65	316.4				
08/19/2011	06:12:29	255	4.5	7.71	326.0				
08/19/2011	06:14:39	432	4.3	7.65	335.7				
08/19/2011	06:16:49	412	4.4	7.76	345.3				

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Well		Field		Job Start		Customer		Job Number	
WILLEY 35-3 1-5H ST				Aug/19/2011		VITRUVIAN EXPLORATION		8081	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate S/M	Density LB/G	Volume BBL	Message			
08/19/2011	06:21:09	381	4.5	0.04	364.5				
08/19/2011	06:23:19	303	4.4	7.33	374.1				
08/19/2011	06:25:29	190	4.4	7.54	383.7				
08/19/2011	06:25:57					End Circulation			
08/19/2011	06:25:57	24	0.0	8.31	384.5				
08/19/2011	06:25:59					End Job			
08/19/2011	06:25:59	25	0.0	8.34	384.5				
08/19/2011	06:27:39	1	0.0	8.34	384.6				
08/19/2011	06:29:49	8	0.0	8.34	384.6				

### Post Job Summary

Average Pump Rate, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6.0			8.0	74.0		20.0	
Treating Pressure Summary, psi				Breakdowns Field			
Maximum	Final	Average	Sump Plug to	Breakdowns	Type	Volume	Density
2200	2200		2200				
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mbr Water Temp	Cement Circulated to Surface?	Volume	
	71.0 bbl		103.5 bbl		<input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor		Washed Thru Ports	<input type="checkbox"/>	To
JASON GREGORIE			Nathan Smith		Circulation Lost	<input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>

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