



Confidentiality Requested:

Yes No

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1153691

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brandt 2230 1-31H
Doc ID	1153691

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8805-9054		
6	8437-8685	8069 nnls water, 36 bbls acid, 108M lbs sd, 8069 TLTR	
6	8068-8317	5341 bbls water, 36 bbls acid, 100M lbs sd, 13555 TLTR	
6	7728-7983	5261 bbls water, 36 bbls acid, 97M lbs sd, 18965 TLTR	
6	7368-7595	5349 bbls water, 36 bbls acid, 101M lbs sd, 24410 TLTR	
6	6552-6803	5962 bbls water, 36 bbls acid, 100M lbs sd, 30936 TLTR	
6	6235-6464	5370 bbls water, 36 bbls acid, 104M lbs sd, 36374 TLTR	
6	5857-6106	5418 bbls water, 36 bbls acid, 105M lbssd, 41792 TLTR	
6	6489-5737	5433 bbls water, 36 bbls acid, 107M lbs sd, 47225 TLTR	
6	5110-5379	7126 bbls water, 36 bbls acid, 97M lbssd, 54351 TLTR	

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	106	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	9.63	36	1843	Halliburton Extendacem and Swiftcem Systems	730	3% Calcium Chloride, .25lbm Poly_E_Flake
Intermediate	8.75	7	26	5255	Halliburton Econocem and Halcem Systems	250	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9203	Halliburton Econocem System	450	.4% halad(R)-9, 2lbm Kol-Seal, 2% Bentonite



123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey BRANDT 2230 1-31H

Step #1 - Create a Deviation Survey

Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Wellbores - Step #2

Actual Deviation Survey SURVEYS, Proposed? No	Wellbore Name Original Hole
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Deviation Surveys - Step #1

Description SURVEYS	Date	VS Dir (*)	Comment
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Tie-In Data

Azimuth North Type	Convergence (*)	Declination (*)	MD Tie In (ftKB)	Azimuth Tie In (*)	Inclination Tie In (*)	TVDTie In (ftKB)	NSTie In (ft)	EWTie In (ft)
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Survey Data

MD (ftKB)	Incl (*)	Azm (*)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (*100ft)
285	0.6	11.60		Incl	285	-2	1.56	0.32	0.22
474	0.4	11.60		Incl	474	-3	3.21	0.66	0.14
724	0.2	11.60		Incl	724	-4	4.49	0.92	0.06
1,032	0.5	11.60		Incl	1,032	-6	6.41	1.32	0.09
1,312	0.5	11.60		Incl	1,312	-9	8.85	1.82	0.00
1,843	0.5	11.60		Incl	1,843	-13	13.44	2.76	0.00
1,884	0.3	11.60	DRILLRIGHT	MWD	1,884	-14	13.72	2.82	0.49
2,108	0.6	73.80	DRILLRIGHT	MWD	2,108	-15	14.62	4.06	0.24
2,586	0.3	12.50	DRILLRIGHT	MWD	2,586	-17	16.54	6.73	0.11
3,084	0.5	1.90	DRILLRIGHT	MWD	3,084	-20	19.98	7.09	0.04
3,543	0.3	273.20	DRILLRIGHT	MWD	3,543	-22	22.05	5.96	0.13
3,735	0.3	292.30	DRILLRIGHT	MWD	3,735	-22	22.27	4.99	0.05
3,799	0.1	356.30	DRILLRIGHT	MWD	3,799	-22	22.39	4.83	0.42
3,831	0.3	311.30	DRILLRIGHT	MWD	3,831	-23	22.47	4.76	0.75
3,863	0.5	212.40	DRILLRIGHT	MWD	3,863	-22	22.41	4.63	1.94
3,895	1.5	194.10	DRILLRIGHT	MWD	3,895	-22	21.89	4.45	3.24
3,927	3.1	188.70	DRILLRIGHT	MWD	3,927	-21	20.63	4.22	5.04
3,958	5.1	185.00	DRILLRIGHT	MWD	3,958	-18	18.42	3.97	6.50
3,990	6.8	186.10	DRILLRIGHT	MWD	3,990	-15	15.12	3.65	5.32
4,022	8.6	187.30	DRILLRIGHT	MWD	4,021	-11	10.87	3.14	5.65
4,054	11.0	185.80	DRILLRIGHT	MWD	4,053	-5	5.45	2.53	7.54
4,086	13.4	183.70	DRILLRIGHT	MWD	4,084	1	-1.28	1.98	7.63
4,117	15.3	183.80	DRILLRIGHT	MWD	4,114	9	-8.95	1.48	6.13
4,149	17.6	183.70	DRILLRIGHT	MWD	4,145	18	-17.99	0.88	7.19
4,180	19.9	182.80	DRILLRIGHT	MWD	4,174	28	-27.94	0.32	7.48
4,212	22.7	182.70	DRILLRIGHT	MWD	4,204	40	-39.55	-0.23	8.75
4,244	24.9	181.80	DRILLRIGHT	MWD	4,233	52	-52.45	-0.74	6.97
4,276	27.4	181.20	DRILLRIGHT	MWD	4,262	67	-66.55	-1.10	7.86
4,308	29.8	180.40	DRILLRIGHT	MWD	4,290	82	-81.86	-1.31	7.59
4,339	31.8	181.80	DRILLRIGHT	MWD	4,317	98	-97.73	-1.62	6.85
4,371	33.5	182.10	DRILLRIGHT	MWD	4,344	115	-114.99	-2.21	5.34
4,403	36.1	181.50	DRILLRIGHT	MWD	4,370	133	-133.24	-2.78	8.20
4,434	38.4	180.90	DRILLRIGHT	MWD	4,395	152	-152.00	-3.17	7.51
4,466	40.3	180.60	DRILLRIGHT	MWD	4,419	172	-172.28	-3.44	5.97
4,497	42.3	181.40	DRILLRIGHT	MWD	4,443	193	-192.74	-3.80	6.67
4,529	44.9	181.30	DRILLRIGHT	MWD	4,466	215	-214.80	-4.31	8.13
4,560	47.6	181.80	DRILLRIGHT	MWD	4,487	237	-237.18	-4.92	8.79
4,592	49.6	181.80	DRILLRIGHT	MWD	4,508	261	-261.17	-5.68	6.25
4,623	50.1	181.90	DRILLRIGHT	MWD	4,528	285	-284.86	-6.44	1.63
4,655	49.9	182.00	DRILLRIGHT	MWD	4,549	309	-309.35	-7.28	0.67
4,687	49.8	181.20	DRILLRIGHT	MWD	4,570	334	-333.80	-7.96	1.94
4,718	49.7	181.60	DRILLRIGHT	MWD	4,590	358	-357.46	-8.54	1.04
4,750	49.7	181.10	DRILLRIGHT	MWD	4,610	382	-381.86	-9.11	1.19
4,782	49.7	181.30	DRILLRIGHT	MWD	4,631	406	-406.26	-9.62	0.48
4,813	51.5	180.60	DRILLRIGHT	MWD	4,651	430	-430.21	-10.02	6.06



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Survey BRANDT 2230 1-31H

Step #1 - Create a Deviation Survey

Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
4,845	54.5	180.70	DRILLRIGHT	MWD	4,670	456	-455.76	-10.31	9.38
4,877	57.2	180.60	DRILLRIGHT	MWD	4,688	482	-482.24	-10.61	8.44
4,909	60.3	180.00	DRILLRIGHT	MWD	4,705	510	-509.59	-10.75	9.82
4,941	63.6	179.60	DRILLRIGHT	MWD	4,720	538	-537.83	-10.65	10.37
4,973	66.8	179.80	DRILLRIGHT	MWD	4,733	567	-566.87	-10.50	10.02
5,004	69.7	180.30	DRILLRIGHT	MWD	4,744	596	-595.66	-10.52	9.47
5,036	71.9	180.10	DRILLRIGHT	MWD	4,755	626	-625.88	-10.63	6.90
5,068	74.0	180.30	DRILLRIGHT	MWD	4,764	657	-656.47	-10.74	6.59
5,100	76.2	180.90	DRILLRIGHT	MWD	4,773	687	-687.39	-11.06	7.11
5,132	79.2	181.50	DRILLRIGHT	MWD	4,779	719	-718.65	-11.72	9.55
5,163	81.3	181.50	DRILLRIGHT	MWD	4,785	749	-749.19	-12.52	6.77
5,195	83.7	181.80	DRILLRIGHT	MWD	4,789	781	-780.90	-13.43	7.56
5,220	86.5	181.90	DRILLRIGHT	MWD	4,791	806	-805.79	-14.23	11.21
5,292	90.2	182.50	DRILLRIGHT	MWD	4,793	878	-877.69	-17.00	5.21
5,323	90.2	182.80	DRILLRIGHT	MWD	4,793	909	-908.66	-18.43	0.97
5,353	90.2	182.50	DRILLRIGHT	MWD	4,793	939	-938.63	-19.82	1.00
5,387	90.9	182.70	DRILLRIGHT	MWD	4,793	973	-972.59	-21.36	2.14
5,417	90.8	183.50	DRILLRIGHT	MWD	4,792	1,003	-1,002.54	-22.98	2.69
5,458	90.8	183.20	DRILLRIGHT	MWD	4,792	1,044	-1,043.47	-25.38	0.73
5,480	90.4	182.30	DRILLRIGHT	MWD	4,791	1,066	-1,065.44	-26.43	4.48
5,511	90.3	181.80	DRILLRIGHT	MWD	4,791	1,097	-1,096.42	-27.54	1.64
5,542	90.4	181.80	DRILLRIGHT	MWD	4,791	1,128	-1,127.41	-28.52	0.32
5,573	90.4	182.20	DRILLRIGHT	MWD	4,791	1,159	-1,158.39	-29.60	1.29
5,604	90.7	181.50	DRILLRIGHT	MWD	4,790	1,190	-1,189.37	-30.60	2.46
5,635	89.7	180.70	DRILLRIGHT	MWD	4,790	1,221	-1,220.36	-31.19	4.13
5,666	89.6	180.50	DRILLRIGHT	MWD	4,790	1,252	-1,251.36	-31.52	0.72
5,698	88.2	180.30	DRILLRIGHT	MWD	4,791	1,284	-1,283.35	-31.74	4.42
5,729	88.1	180.30	DRILLRIGHT	MWD	4,792	1,315	-1,314.34	-31.90	0.32
5,760	88.0	179.70	DRILLRIGHT	MWD	4,793	1,346	-1,345.32	-31.90	1.96
5,791	88.1	179.60	DRILLRIGHT	MWD	4,794	1,377	-1,376.30	-31.71	0.46
5,822	88.1	179.40	DRILLRIGHT	MWD	4,795	1,408	-1,407.28	-31.44	0.64
5,853	88.2	179.70	DRILLRIGHT	MWD	4,796	1,439	-1,438.26	-31.20	1.02
5,885	88.0	179.60	DRILLRIGHT	MWD	4,797	1,470	-1,470.25	-31.00	0.70
5,916	87.9	179.40	DRILLRIGHT	MWD	4,798	1,501	-1,501.22	-30.73	0.72
5,947	87.8	179.30	DRILLRIGHT	MWD	4,800	1,532	-1,532.20	-30.38	0.46
5,979	88.6	179.60	DRILLRIGHT	MWD	4,801	1,564	-1,564.18	-30.08	2.67
6,010	88.7	179.20	DRILLRIGHT	MWD	4,801	1,595	-1,595.17	-29.75	1.33
6,041	88.5	179.20	DRILLRIGHT	MWD	4,802	1,626	-1,626.16	-29.32	0.65
6,072	88.6	179.40	DRILLRIGHT	MWD	4,803	1,657	-1,657.15	-28.94	0.72
6,102	88.7	180.50	DRILLRIGHT	MWD	4,804	1,687	-1,687.14	-28.91	3.68
6,133	88.9	180.80	DRILLRIGHT	MWD	4,804	1,718	-1,718.13	-29.27	1.16
6,164	89.0	180.80	DRILLRIGHT	MWD	4,805	1,749	-1,749.12	-29.70	0.32
6,195	89.3	180.60	DRILLRIGHT	MWD	4,805	1,780	-1,780.12	-30.08	1.16
6,227	89.5	180.40	DRILLRIGHT	MWD	4,806	1,812	-1,812.11	-30.36	0.88
6,258	89.4	180.70	DRILLRIGHT	MWD	4,806	1,843	-1,843.11	-30.65	1.02
6,289	88.3	180.30	DRILLRIGHT	MWD	4,806	1,874	-1,874.10	-30.92	3.78
6,320	88.1	180.50	DRILLRIGHT	MWD	4,807	1,905	-1,905.09	-31.14	0.91
6,351	88.7	180.30	DRILLRIGHT	MWD	4,808	1,936	-1,936.07	-31.36	2.04
6,381	89.0	180.80	DRILLRIGHT	MWD	4,809	1,966	-1,966.07	-31.64	1.94
6,412	89.6	180.70	DRILLRIGHT	MWD	4,809	1,997	-1,997.06	-32.05	1.96
6,443	89.5	181.00	DRILLRIGHT	MWD	4,810	2,028	-2,028.06	-32.51	1.02
6,473	89.3	180.90	DRILLRIGHT	MWD	4,810	2,058	-2,058.05	-33.01	0.75



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Survey BRANDT 2230 1-31H

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Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
6,504	90.7	181.00	DRILLRIGHT	MWD	4,810	2,089	-2,089.05	-33.52	4.53
6,534	91.9	181.70	DRILLRIGHT	MWD	4,809	2,119	-2,119.03	-34.23	4.63
6,565	91.9	181.90	DRILLRIGHT	MWD	4,808	2,150	-2,150.00	-35.20	0.64
6,596	92.2	181.70	DRILLRIGHT	MWD	4,807	2,181	-2,180.96	-36.17	1.16
6,627	92.4	182.00	DRILLRIGHT	MWD	4,806	2,212	-2,211.92	-37.17	1.16
6,658	92.5	181.50	DRILLRIGHT	MWD	4,804	2,243	-2,242.88	-38.12	1.64
6,689	92.7	181.80	DRILLRIGHT	MWD	4,803	2,274	-2,273.83	-39.01	1.16
6,720	92.9	181.30	DRILLRIGHT	MWD	4,802	2,305	-2,304.78	-39.85	1.74
6,750	91.8	180.70	DRILLRIGHT	MWD	4,800	2,335	-2,334.75	-40.37	4.18
6,782	91.5	180.80	DRILLRIGHT	MWD	4,799	2,367	-2,366.74	-40.79	0.99
6,814	90.2	180.40	DRILLRIGHT	MWD	4,799	2,399	-2,398.73	-41.13	4.25
6,846	90.3	180.50	DRILLRIGHT	MWD	4,799	2,431	-2,430.73	-41.38	0.44
6,878	90.7	180.40	DRILLRIGHT	MWD	4,798	2,463	-2,462.73	-41.63	1.29
6,910	90.9	180.30	DRILLRIGHT	MWD	4,798	2,495	-2,494.72	-41.82	0.70
6,942	90.4	179.60	DRILLRIGHT	MWD	4,798	2,527	-2,526.72	-41.80	2.69
6,973	90.1	179.60	DRILLRIGHT	MWD	4,798	2,558	-2,557.72	-41.58	0.97
7,006	90.2	179.40	DRILLRIGHT	MWD	4,797	2,591	-2,590.72	-41.29	0.68
7,037	90.2	178.80	DRILLRIGHT	MWD	4,797	2,622	-2,621.72	-40.81	1.94
7,069	90.1	178.60	DRILLRIGHT	MWD	4,797	2,654	-2,653.71	-40.08	0.70
7,101	90.3	179.30	DRILLRIGHT	MWD	4,797	2,686	-2,685.70	-39.49	2.28
7,133	90.0	179.50	DRILLRIGHT	MWD	4,797	2,718	-2,717.70	-39.16	1.13
7,165	90.0	179.40	DRILLRIGHT	MWD	4,797	2,750	-2,749.70	-38.85	0.31
7,197	89.9	179.70	DRILLRIGHT	MWD	4,797	2,782	-2,781.70	-38.60	0.99
7,230	89.5	179.60	DRILLRIGHT	MWD	4,797	2,815	-2,814.70	-38.40	1.25
7,261	89.7	180.10	DRILLRIGHT	MWD	4,797	2,846	-2,845.69	-38.32	1.74
7,293	90.0	180.00	DRILLRIGHT	MWD	4,798	2,878	-2,877.69	-38.34	0.99
7,325	90.0	180.50	DRILLRIGHT	MWD	4,798	2,910	-2,909.69	-38.48	1.56
7,357	89.0	179.40	DRILLRIGHT	MWD	4,798	2,942	-2,941.69	-38.46	4.65
7,389	89.4	179.70	DRILLRIGHT	MWD	4,798	2,974	-2,973.69	-38.20	1.56
7,421	90.5	180.90	DRILLRIGHT	MWD	4,798	3,006	-3,005.69	-38.37	5.09
7,453	90.6	181.00	DRILLRIGHT	MWD	4,798	3,038	-3,037.68	-38.90	0.44
7,485	91.9	181.60	DRILLRIGHT	MWD	4,797	3,070	-3,069.66	-39.63	4.47
7,517	89.4	181.10	DRILLRIGHT	MWD	4,797	3,102	-3,101.65	-40.38	7.97
7,549	89.6	181.50	DRILLRIGHT	MWD	4,797	3,134	-3,133.64	-41.11	1.40
7,580	90.4	182.20	DRILLRIGHT	MWD	4,797	3,165	-3,164.62	-42.11	3.43
7,612	91.6	182.50	DRILLRIGHT	MWD	4,797	3,197	-3,196.59	-43.42	3.87
7,644	92.6	183.50	DRILLRIGHT	MWD	4,796	3,229	-3,228.53	-45.09	4.42
7,676	93.1	182.50	DRILLRIGHT	MWD	4,794	3,261	-3,260.44	-46.77	3.49
7,708	93.3	182.50	DRILLRIGHT	MWD	4,792	3,293	-3,292.36	-48.16	0.62
7,739	93.1	182.10	DRILLRIGHT	MWD	4,790	3,324	-3,323.29	-49.40	1.44
7,771	93.0	182.10	DRILLRIGHT	MWD	4,789	3,356	-3,355.22	-50.57	0.31
7,803	93.0	182.40	DRILLRIGHT	MWD	4,787	3,388	-3,387.15	-51.83	0.94
7,835	91.3	182.20	DRILLRIGHT	MWD	4,786	3,419	-3,419.10	-53.11	5.35
7,867	90.4	181.70	DRILLRIGHT	MWD	4,785	3,451	-3,451.08	-54.20	3.22
7,899	90.7	181.20	DRILLRIGHT	MWD	4,785	3,483	-3,483.07	-55.01	1.82
7,931	91.1	181.70	DRILLRIGHT	MWD	4,785	3,515	-3,515.05	-55.82	2.00
7,963	92.3	182.60	DRILLRIGHT	MWD	4,784	3,547	-3,547.02	-57.02	4.69
7,995	91.7	181.60	DRILLRIGHT	MWD	4,782	3,579	-3,578.98	-58.19	3.64
8,027	90.9	181.60	DRILLRIGHT	MWD	4,782	3,611	-3,610.95	-59.08	2.50
8,058	90.7	181.00	DRILLRIGHT	MWD	4,781	3,642	-3,641.94	-59.79	2.04
8,091	90.3	180.40	DRILLRIGHT	MWD	4,781	3,675	-3,674.94	-60.19	2.19
8,122	90.2	180.30	DRILLRIGHT	MWD	4,781	3,706	-3,705.94	-60.38	0.46



123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
BRANDT 2230 1-31H

Step #1 - Create a Deviation Survey

Step

#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
8,154	90.0	179.80	DRILLRIGHT	MWD	4,781	3,738	-3,737.94	-60.41	1.68
8,186	90.1	179.50	DRILLRIGHT	MWD	4,781	3,770	-3,769.94	-60.21	0.99
8,218	90.2	179.60	DRILLRIGHT	MWD	4,781	3,802	-3,801.94	-59.96	0.44
8,250	90.3	179.20	DRILLRIGHT	MWD	4,781	3,834	-3,833.93	-59.63	1.29
8,282	90.5	179.20	DRILLRIGHT	MWD	4,780	3,866	-3,865.93	-59.18	0.62
8,313	90.5	178.70	DRILLRIGHT	MWD	4,780	3,897	-3,896.92	-58.61	1.61
8,345	90.9	178.40	DRILLRIGHT	MWD	4,780	3,929	-3,928.91	-57.80	1.56
8,377	89.5	179.00	DRILLRIGHT	MWD	4,780	3,961	-3,960.90	-57.08	4.76
8,408	88.4	177.90	DRILLRIGHT	MWD	4,780	3,992	-3,991.88	-56.24	5.02
8,439	89.3	178.80	DRILLRIGHT	MWD	4,781	4,023	-4,022.86	-55.35	4.11
8,471	90.0	179.60	DRILLRIGHT	MWD	4,781	4,055	-4,054.86	-54.90	3.32
8,503	90.0	179.20	DRILLRIGHT	MWD	4,781	4,087	-4,086.86	-54.56	1.25
8,535	90.6	179.40	DRILLRIGHT	MWD	4,781	4,119	-4,118.86	-54.17	1.98
8,567	90.6	179.00	DRILLRIGHT	MWD	4,780	4,151	-4,150.85	-53.73	1.25
8,599	90.8	180.50	DRILLRIGHT	MWD	4,780	4,183	-4,182.85	-53.59	4.73
8,631	90.9	179.10	DRILLRIGHT	MWD	4,780	4,215	-4,214.84	-53.47	4.39
8,663	90.7	179.30	DRILLRIGHT	MWD	4,779	4,247	-4,246.84	-53.03	0.88
8,694	90.5	179.00	DRILLRIGHT	MWD	4,779	4,278	-4,277.83	-52.57	1.16
8,726	90.5	178.80	DRILLRIGHT	MWD	4,779	4,310	-4,309.82	-51.95	0.62
8,758	91.6	179.20	DRILLRIGHT	MWD	4,778	4,342	-4,341.81	-51.40	3.66
8,790	91.6	179.30	DRILLRIGHT	MWD	4,777	4,374	-4,373.80	-50.98	0.31
8,822	90.9	179.40	DRILLRIGHT	MWD	4,776	4,406	-4,405.79	-50.61	2.21
8,854	91.1	179.50	DRILLRIGHT	MWD	4,776	4,438	-4,437.78	-50.31	0.70
8,885	90.8	179.10	DRILLRIGHT	MWD	4,775	4,469	-4,468.78	-49.93	1.61
8,917	89.0	179.60	DRILLRIGHT	MWD	4,775	4,501	-4,500.77	-49.56	5.84
8,949	88.7	178.70	DRILLRIGHT	MWD	4,776	4,533	-4,532.76	-49.09	2.96
8,981	89.6	179.20	DRILLRIGHT	MWD	4,776	4,565	-4,564.75	-48.50	3.22
9,077	91.1	180.00	DRILLRIGHT	MWD	4,776	4,661	-4,660.74	-47.83	1.77
9,153	92.9	180.70	DRILLRIGHT	MWD	4,773	4,737	-4,736.69	-48.30	2.54

Section 25
22S 31W

Section 30
22S 30W

BRANDT 2230 1-31H



Miss Entry: 4764'
-100.66193 38.102587

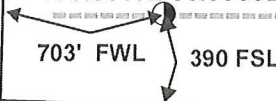
Top Perf: 5110'
-100.66191 38.101748

Section 36
22S 31W

Section 31
22S 30W

Bottom Perf: 8805'
-100.66175 38.091624

BHL: 9203'
-100.66172 38.090628



Section 1
23S 31W

Section 6
23S 30W



Actual Bottom-Hole Location of Brandt 22301-31H
Finney County, Kansas

T&R: 22S 30W
Section: 31, 703 FWL & 390' FSL
Long/Lat: -100.66172 38.090628

1 in = 833 ft



● Actual BH Location

* SandRidge Wells

□ Perf
□ Sections



Draftsman:
Aaron Birk

Draft Date: 7/30/2013

Drawing Name/Number:

Addendum_Brandt_1-31H .mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802
Phone: (580)254-5400
Fax: (580)254-3242

Date	Invoice #
7/12/2012	1400

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
John Fortune	Net 45	7/12/2012	Brandt 2230 1-31H, Finney Cnty, KS	Lariat 3

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Grout & Trucking	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits

AFE Number: DC 12297
 Well Name: Brandt 1-31H
 Code: 850-010
 Amount: 23,550.00
 Co. Mar: Tony White
 Co. Mar Sig: [Signature]

Subtotal	\$23,550.00
Sales Tax (0.0%)	\$0.00
Total	\$23,550.00

Notes: _____

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2942494	Quote #:	Sales Order #: 9705462
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ???, COMPANY MAN	
Well Name: Brandt 2230	Well #: 1-31H	API/UWI #:	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 31 Township 22S Range 30W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	12	442123	BORUNDA, MATTHEW Ezekiel	12	478867	HEIDT, JAMES Nicholas	12	517102
STONESTREET, DANNY	12	511911						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7/30/2012	7	0	7/31/2012	5	1.5			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	1843. ft	Job Depth TVD	1843. ft	Water Depth	Wk Ht Above Floor	3. ft	Perforation Depth (MD)	From	To	Date	Time	Time Zone
				BHST											30 - Jul - 2012	09:00	CST
															30 - Jul - 2012	16:00	CST
															31 - Jul - 2012	01:26	CST
															31 - Jul - 2012	02:54	CST
															31 - Jul - 2012	05:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					1850.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1850.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	570.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	160.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement/TB C		138.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	138 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	249 BBL	Pad	
Top Of Cement	1314 FT.	5 Min		Cement Returns	142 BBL	Actual Displacement	138 BBL	Treatment	
Frac Gradient		15 Min		Spacers	10 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing	5	Displacement	6	Avg. Job	4		
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2942494	Quote #:	Sales Order #: 9724850
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Brandt 2230	Well #: 1-31H	API/UWI #:	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 31 Township 22S Range 30W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srcv Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
OSCAR GOMEZ / MATT JOHNSON	10		RODRIGUEZ, EDGAR Alejandro	10	442125	TORRES, CLEMENTE	10	344233

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/7/2012	10	3						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	07 - Aug - 2012	06:00 CST
Form Type BHST	On Location	07 - Aug - 2012	09:00 CST
Job depth MD 5266.9 ft Job Depth TVD 5267. ft	Job Started	07 - Aug - 2012	20:16 CST
Water Depth Wk Ht Above Floor 8. ft	Job Completed	07 - Aug - 2012	21:23 CST
Perforation Depth (MD) From To	Departed Loc	07 - Aug - 2012	22:50 CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1800.	5215.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5215.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1850.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	150.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement/TB C		198.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	198	Shut In: Instant		Lost Returns		Cement Slurry	62	Pad	
Top Of Cement	3080	5 Min		Cement Returns	0	Actual Displacement	198	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	290
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	91 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2942494	Quote #:	Sales Order #: 9740782
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Brandt 2230	Well #: 1-31H	API/UWI #:	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 31 Township 22S Range 30W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CARRILLO, EDUARDO Carrillo	13.5	371263	CLEMENS, ANTHONY Jason	7	198516	LUNA, JOSE A	13.5	480456
NORTON, BRUCE Wayne	13.5	499926	Ramerez, Jorge	13.5	498481	Mark P.	10	

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/14/2012	5 1/5	1	8/15/2012	8	3.5			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Date	Time	Time Zone
				BHST	9203. ft	4774. ft	5. ft				14 - Aug - 2012	09:30	CST
											14 - Aug - 2012	14:00	CST
											15 - Aug - 2012	16:51	CST
											15 - Aug - 2012	19:16	GMT
											15 - Aug - 2012	20:45	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5215.	9197.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4815.	9197.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5215.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4815.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Gel Spacer (Provided by Rig)		30.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement/TB C		119.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	112	Shut In: Instant		Lost Returns	136	Cement Slurry	124	Pad	
Top Of Cement	7307	5 Min		Cement Returns	0	Actual Displacement	124	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	236
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	80 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2942494	Quote #:	Sales Order #: 9760244
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mathis, Robert	
Well Name: Brandt 2230	Well #: 1-31H	API/UWI #:	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 31 Township 22S Range 30W			
Contractor: WORK OVER		Rig/Platform Name/Num:	
Job Purpose: Squeeze Liner Top			
Well Type: Development Well		Job Type: Squeeze Liner Top	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: CHRISTENSEN, STUART	MBU ID Emp #: 476488

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHRISTENSEN, STUART	9	476488	MONTOYA-MOLINAS, ARTHUR J	9	483764	NASH, JONATHAN Clark	9	524600
STELL, KEVIN Woodrow	9	450776						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/21/2012	4	2.5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	21 - Aug - 2012	19:00	CST
Form Type		BHST	Job Started	21 - Aug - 2012	20:45	CST
Job depth MD	4823. ft	Job Depth TVD	4540. ft	Job Completed	21 - Aug - 2012	22:00
Water Depth		Wk Ht Above Floor	4. ft	Departed Loc	22 - Aug - 2012	00:01
Perforation Depth (MD) From		To				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Retainer	Unknown							4800.	4804.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4823.	9203.	4657.	4771.
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5255.	.	4657.
Tubing	Unknown		2.875	2.441	6.5			.	4800.	.	4600.

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Thix-O-Tropic	CMT - PREMIUM CEMENT (100003687)	150.0	sacks	14.	1.71	8.58		8.58
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)							
	10 %	CAL-SEAL 60, BULK (100064022)							
	4 %	BENTONITE, BULK (100003682)							
	8.582 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	23.8	Shut In: Instant		Lost Returns	0	Cement Slurry	46	Pad	
Top Of Cement	4540	5 Min		Cement Returns	1	Actual Displacement	23.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating	4	Mixing	4	Displacement	4	Avg. Job	4		
Cement Left In Pipe	Amount	80 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

Logo

Back to Well Completion

Brandt 2230 1-31H (1090779)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete

[Add Attachment](#)

Remarks

Remarks to KCC

[Add Remark](#)

Remarks

Tiffany
Golay
11/08/012 Conductor weight= 94 lbs/ft
01:12 pm

Tiffany
Golay Additional Fluid Mgmt Info: 820 bbls hauled to Weinett Disposal LLC, NW/4 Section 1079 Block 43,
11/08/012 Lipscomb, TX; 360bbls hauled to Muno 1-31 SWD SW/4 31-26S-21W, Ford, KS
01:11 pm

Summary of Changes

Lease Name and Number: Brandt 2230 1-31H

API/Permit #: 15-055-22163-01-00

Doc ID: 1153691

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	11/09/2012	07/31/2013
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1090779	../../../../kcc/detail/operatorEditDetail.cfm?docID=1153691

Summary of Attachments

Lease Name and Number: Brandt 2230 1-31H

API: 15-055-22163-01-00

Doc ID: 1153691

Correction Number: 1

Attachment Name

Attachments



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: _____