



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: \_\_\_\_\_



1158705

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio      Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murray 3406 1-5H
Doc ID	1158705

All Electric Logs Run

Porosity
Resistivity
Prizm
mudlog
boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Tops

Name	Top	Datum
Base Heebner	3216	
Lansing	3592	
Cottage Grove	3850	
Oswego Limestone	4168	
Cherokee Group	4292	
Verdigris Limestone	4326	
Mississippi Unconformity	4514	
Mississippi Lime	4528	

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8467-8758	4247 bbls water, 36 bbls acid, 75M lbs sd, 4295 TLTR.	
5	8075-8384	4240 bbls water, 36 bbls acid, 75M lbs sd, 8595 TLTR.	
5	7670-8007	4234 bbls water, 36 bbls acid, 75M lbs sd, 13391 TLTR.	
5	7265-7584	4228 bbls water, 36 bbls acid, 75M lbs sd, 17616 TLTR.	
5	6849-7188	4221 bbls water, 36 bbls acid, 75M lbs sd, 21768 TLTR.	
5	6504-6800	4216 bbls water, 36 bbls acid, 75M lbs sd, 25861 TLTR.	
5	6168-6390	4211 bbls water, 36 bbls acid, 75M lbs sd, 30601 TLTR.	
5	5748-6006	4168 bbls water, 36 bbls acid, 75M lbs sd, 34855 TLTR.	
5	5199-5606	4160 bbls water, 36 bbls acid, 75M lbs sd.	



Company: SandRidge  
 Well: Murray 3406 1-5H  
 Location: Harper County KS  
 Rig: Unit 310

Job Number: 5426102  
 Magnetic Decl.: 4.53  
 Grid Corr.: 0.32  
 Total Grid Corr.: 4.21

Calculation Method  
 Proposed Azimuth 359.17  
 Depth Reference  
 Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates			Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In Coordinates															
Tie In	0	0.00	0.00	N 0.0 E	0	0	0	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
MWD	15	0.00	0.00	N 0.0 E	15	15.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.00	0.00	0.00
MWD	250	0.25	106.79	S 73.2 E	235	250.00	-0.16	0.15 S	0.49 E	0.51	106.79	0.11	0.11	0.11	45.44
MWD	500	0.25	106.79	S 73.2 E	250	500.00	-0.49	0.46 S	1.54 E	1.60	106.79	0.00	0.00	0.00	0.00
MWD	648	0.25	106.79	S 73.2 E	148	648.00	-0.68	0.65 S	2.15 E	2.25	106.79	0.00	0.00	0.00	0.00
MWD	723	0.07	106.79	S 73.2 E	75	722.99	-0.74	0.71 S	2.35 E	2.46	106.79	0.24	-0.24	0.00	0.00
MWD	815	0.11	223.50	S 43.5 W	92	814.99	-0.82	0.79 S	2.35 E	2.48	108.62	0.17	0.04	0.04	126.86
MWD	907	0.11	345.28	N 14.7 W	92	906.99	-0.80	0.77 S	2.26 E	2.39	108.77	0.21	0.00	0.00	132.37
MWD	998	0.14	195.67	S 15.7 W	91	997.99	-0.82	0.79 S	2.21 E	2.35	109.70	0.27	0.03	0.03	-164.41
MWD	1090	0.09	285.74	N 74.3 W	92	1089.99	-0.91	0.88 S	2.11 E	2.29	112.63	0.18	-0.05	-0.05	97.90
MWD	1182	0.10	0.07	N 0.1 E	92	1181.99	-0.81	0.78 S	2.04 E	2.19	110.92	0.13	0.01	0.01	80.79
MWD	1274	0.09	292.72	N 67.3 W	92	1273.99	-0.70	0.67 S	1.98 E	2.09	108.79	0.11	-0.01	-0.01	-73.21
MWD	1365	0.10	94.23	S 85.8 E	91	1364.99	-0.68	0.65 S	1.99 E	2.09	108.11	0.21	0.01	0.01	-218.12
MWD	1457	0.11	350.38	N 9.6 W	92	1456.99	-0.60	0.57 S	2.05 E	2.13	105.49	0.18	0.01	0.01	278.42
MWD	1549	0.11	177.05	S 2.9 E	92	1548.99	-0.60	0.57 S	2.04 E	2.12	105.60	0.24	0.00	0.00	-188.40
MWD	1640	0.10	112.97	S 67.0 E	91	1639.99	-0.72	0.69 S	2.12 E	2.23	107.99	0.12	-0.01	-0.01	-70.42
MWD	1732	0.09	238.10	S 58.1 W	92	1731.99	-0.79	0.76 S	2.13 E	2.26	109.56	0.18	-0.01	-0.01	136.01
MWD	1826	0.07	107.82	S 72.2 E	94	1825.99	-0.85	0.81 S	2.13 E	2.28	110.97	0.15	-0.02	-0.02	-138.60
MWD	1921	0.06	123.62	S 56.4 E	95	1920.99	-0.89	0.86 S	2.22 E	2.38	111.15	0.02	-0.01	-0.01	16.63
MWD	2016	0.10	354.55	N 5.4 W	95	2015.99	-0.84	0.81 S	2.26 E	2.40	109.64	0.15	0.04	0.04	243.08
MWD	2111	0.14	15.50	N 15.5 E	95	2110.99	-0.64	0.61 S	2.28 E	2.36	105.00	0.06	0.04	0.04	22.05
MWD	2206	0.19	71.50	N 71.5 E	95	2205.99	-0.48	0.45 S	2.46 E	2.50	100.34	0.17	0.05	0.05	58.95
MWD	2300	0.16	72.75	N 72.8 E	94	2299.99	-0.40	0.36 S	2.73 E	2.76	97.52	0.03	-0.03	-0.03	1.33
MWD	2395	0.15	335.22	N 24.8 W	95	2394.99	-0.25	0.21 S	2.81 E	2.82	94.24	0.25	-0.01	-0.01	-102.66
MWD	2490	0.07	196.23	S 16.2 W	95	2489.99	-0.19	0.15 S	2.74 E	2.74	93.16	0.22	-0.08	-0.08	-146.31
MWD	2585	0.10	118.93	S 61.1 E	95	2584.99	-0.29	0.25 S	2.80 E	2.81	95.05	0.11	0.03	0.03	-81.37
MWD	2680	0.03	241.67	S 61.7 W	95	2679.99	-0.34	0.30 S	2.85 E	2.86	95.99	0.13	-0.07	-0.07	129.20
MWD	2774	0.11	145.82	S 34.2 E	94	2773.99	-0.43	0.39 S	2.88 E	2.90	97.63	0.12	0.09	0.09	-101.97
MWD	2964	0.20	304.63	N 55.4 W	190	2963.99	-0.39	0.35 S	2.70 E	2.73	97.32	0.16	0.05	0.05	83.58
MWD	3059	0.09	48.47	N 48.5 E	95	3058.99	-0.24	0.20 S	2.62 E	2.63	94.44	0.25	-0.12	-0.12	109.31
MWD	3154	0.07	359.47	N 0.5 W	95	3153.99	-0.14	0.10 S	2.68 E	2.68	92.06	0.07	-0.02	-0.02	-51.58
MWD	3249	0.09	26.47	N 26.5 E	95	3248.99	-0.01	0.03 N	2.71 E	2.71	89.40	0.04	0.02	0.02	28.42
MWD	3344	0.09	6.18	N 6.2 E	95	3343.99	0.13	0.17 N	2.75 E	2.76	86.48	0.03	0.00	0.00	-21.36
MWD	3439	0.11	112.76	S 67.2 E	95	3438.99	0.17	0.21 N	2.85 E	2.85	85.81	0.17	0.02	0.02	112.19



Company: SandRidge  
 Well: Murray 3406 1-5H  
 Location: Harper County KS  
 Rig: Unit 310

Job Number: 5426102  
 Magnetic Decl.: 4.53  
 Grid Corr.: 0.32  
 Total Grid Corr.: 4.21

Calculation Method Minimum Curvature  
 Proposed Azimuth 359.17  
 Depth Reference  
 Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
MWD	3533	0.07	325.74	N 34.3 W	94	3532.99	0.18	0.22 N	2.90 E	2.91	85.64	0.18	-0.04	226.57
MWD	3628	0.11	88.58	N 88.6 E	95	3627.99	0.23	0.27 N	2.96 E	2.97	84.76	0.17	0.04	129.31
MWD	3723	0.11	69.83	N 69.8 E	95	3722.99	0.26	0.30 N	3.13 E	3.15	84.44	0.04	0.00	-19.74
MWD	3786	2.71	345.60	N 14.4 W	63	3785.97	1.73	1.77 N	2.82 E	3.33	57.89	4.29	4.13	-133.70
MWD	3817	5.31	347.00	N 13.0 W	31	3816.89	3.84	3.88 N	2.31 E	4.51	30.83	8.39	8.39	4.52
MWD	3849	7.93	349.38	N 10.6 W	32	3848.67	7.47	7.49 N	1.57 E	7.65	11.86	8.23	8.19	7.44
MWD	3881	11.15	348.64	N 11.4 W	32	3880.22	12.68	12.69 N	0.56 E	12.71	2.51	10.07	10.06	-2.31
MWD	3913	14.56	346.35	N 13.7 W	32	3911.42	19.65	19.64 N	1.00 W	19.66	357.08	10.77	10.66	-7.16
MWD	3944	18.60	345.08	N 14.9 W	31	3941.12	28.25	28.21 N	3.20 W	28.39	353.54	13.08	13.03	-4.10
MWD	3976	21.94	345.33	N 14.7 W	32	3971.14	39.01	38.92 N	6.02 W	39.39	351.20	10.44	10.44	0.78
MWD	4008	24.90	345.60	N 14.4 W	32	4000.50	51.36	51.23 N	9.21 W	52.06	349.80	9.26	9.25	0.84
MWD	4039	27.29	346.21	N 13.8 W	31	4028.34	64.63	64.46 N	12.53 W	65.67	349.00	7.76	7.71	1.97
MWD	4071	28.63	346.98	N 13.0 W	32	4056.60	79.28	79.05 N	16.01 W	80.66	348.55	4.34	4.19	2.41
MWD	4102	30.37	348.86	N 11.1 W	31	4083.58	94.25	93.98 N	19.20 W	95.92	348.46	6.36	5.61	6.06
MWD	4134	32.35	351.17	N 8.8 W	32	4110.91	110.69	110.38 N	22.07 W	112.56	348.69	7.24	6.19	7.22
MWD	4165	33.79	353.63	N 6.4 W	31	4136.88	127.48	127.14 N	24.30 W	129.44	349.18	6.35	4.65	7.94
MWD	4197	35.13	355.42	N 4.6 W	32	4163.27	145.53	145.17 N	26.03 W	147.48	349.84	5.25	4.19	5.59
MWD	4229	36.54	357.37	N 2.6 W	32	4189.21	164.24	163.86 N	27.20 W	166.10	350.58	5.67	4.41	6.09
MWD	4261	38.74	358.14	N 1.9 W	32	4214.55	183.77	183.39 N	27.96 W	185.51	351.33	7.03	6.88	2.41
MWD	4292	40.84	358.61	N 1.4 W	31	4238.37	203.61	203.22 N	28.52 W	205.21	352.01	6.84	6.77	1.52
MWD	4324	42.56	359.29	N 0.7 W	32	4262.26	224.89	224.50 N	28.91 W	226.35	352.66	5.56	5.38	2.13
MWD	4356	44.78	359.26	N 0.7 W	32	4285.41	246.99	246.59 N	29.19 W	248.31	353.25	6.94	6.94	-0.09
MWD	4387	47.33	358.65	N 1.4 W	31	4306.92	269.31	268.91 N	29.60 W	270.53	353.72	8.35	8.23	-1.97
MWD	4419	50.14	357.83	N 2.2 W	32	4328.02	293.35	292.95 N	30.34 W	294.51	354.09	8.99	8.78	-2.56
MWD	4451	52.24	357.60	N 2.4 W	32	4348.07	318.28	317.86 N	31.34 W	319.40	354.37	6.59	6.56	-0.72
MWD	4483	54.13	358.09	N 1.9 W	32	4367.25	343.89	343.46 N	32.30 W	344.97	354.63	6.03	5.91	1.53
MWD	4514	56.44	358.31	N 1.7 W	31	4384.90	369.37	368.93 N	33.10 W	370.41	354.87	7.47	7.45	0.71
MWD	4546	59.21	358.90	N 1.1 W	32	4401.94	396.45	396.00 N	33.75 W	397.44	355.13	8.80	8.66	1.84
MWD	4578	62.13	358.92	N 1.1 W	32	4417.61	424.34	423.89 N	34.28 W	425.28	355.38	9.13	9.13	0.06
MWD	4609	63.76	359.12	N 0.9 W	31	4431.71	451.95	451.49 N	34.76 W	452.83	355.60	5.29	5.26	0.65
MWD	4641	65.57	359.68	N 0.3 W	32	4445.41	480.87	480.41 N	35.06 W	481.69	355.83	5.87	5.66	1.75
MWD	4672	67.69	359.73	N 0.3 W	31	4457.70	509.32	508.87 N	35.20 W	510.08	356.04	6.84	6.84	0.16
MWD	4704	69.96	0.23	N 0.2 E	32	4469.26	539.16	538.71 N	35.21 W	539.85	356.26	7.24	7.09	1.56
MWD	4736	72.17	0.44	N 0.4 E	32	4479.64	569.42	568.97 N	35.04 W	570.05	356.48	6.93	6.91	0.66
MWD	4767	74.58	0.70	N 0.7 E	31	4488.51	599.11	598.67 N	34.74 W	599.68	356.68	7.82	7.77	0.84



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 Well: Murray 3406 1-5H  
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Calculation Method Minimum Curvature  
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 Depth Reference  
 Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
MWD	4799	77.02	0.64	N 0.6 E	32	4496.36	630.12	629.69 N	34.38 W	630.63	356.88	7.63	7.62	-0.19
MWD	4830	78.75	1.01	N 1.0 E	31	4502.87	660.42	659.99 N	33.94 W	660.87	357.06	5.70	5.58	1.19
MWD	4862	80.91	0.95	N 1.0 E	32	4508.52	691.90	691.49 N	33.40 W	692.29	357.23	6.75	6.75	-0.19
MWD	4894	83.93	0.66	N 0.7 E	32	4512.74	723.60	723.20 N	32.96 W	723.95	357.39	9.48	9.44	-0.91
MWD	4925	86.12	0.31	N 0.3 E	31	4515.43	754.47	754.08 N	32.70 W	754.79	357.52	7.15	7.06	-1.13
MWD	4957	86.06	359.95	N 0.1 W	32	4517.61	786.39	786.00 N	32.62 W	786.68	357.62	1.14	-0.19	-1.13
MWD	5020	85.32	359.70	N 0.3 W	63	4522.34	849.21	848.83 N	32.82 W	849.46	357.79	1.24	-1.17	-0.40
MWD	5083	85.38	359.41	N 0.6 W	63	4527.45	912.00	911.62 N	33.30 W	912.22	357.91	0.47	0.10	-0.46
MWD	5146	85.29	359.96	N 0.0 W	63	4532.57	974.79	974.41 N	33.65 W	974.99	358.02	0.88	-0.14	0.87
MWD	5210	85.22	0.04	N 0.0 E	64	4537.87	1038.57	1038.19 N	33.65 W	1038.73	358.14	0.17	-0.11	0.13
MWD	5241	86.86	359.33	N 0.7 W	31	4540.01	1069.49	1069.11 N	33.82 W	1069.65	358.19	5.76	5.29	-2.29
MWD	5317	91.20	359.10	N 0.9 W	76	4541.30	1145.46	1145.07 N	34.86 W	1145.61	358.26	5.72	5.71	-0.30
MWD	5380	90.12	359.31	N 0.7 W	63	4540.57	1208.45	1208.06 N	35.73 W	1208.59	358.31	1.75	-1.71	0.33
MWD	5443	90.22	359.48	N 0.5 W	63	4540.38	1271.45	1271.06 N	36.40 W	1271.58	358.36	0.31	0.16	0.27
MWD	5507	90.43	358.75	N 1.3 W	64	4540.02	1335.45	1335.05 N	37.39 W	1335.57	358.40	1.19	0.33	-1.14
MWD	5570	90.94	357.74	N 2.3 W	63	4539.27	1398.44	1398.02 N	39.32 W	1398.57	358.39	1.80	0.81	-1.60
MWD	5633	89.78	359.57	N 0.4 W	63	4538.87	1461.43	1460.99 N	40.80 W	1461.56	358.40	3.44	-1.84	2.90
MWD	5696	89.75	0.55	N 0.6 E	63	4539.13	1524.42	1523.99 N	40.73 W	1524.54	358.47	1.56	-0.05	1.56
MWD	5791	90.15	0.84	N 0.8 E	95	4539.21	1619.39	1618.98 N	39.58 W	1619.47	358.60	0.52	0.42	0.31
MWD	5885	90.15	359.99	N 0.0 W	94	4538.97	1713.36	1712.98 N	38.90 W	1713.42	358.70	0.90	0.00	-0.90
MWD	5980	90.37	0.14	N 0.1 E	95	4538.54	1808.35	1807.98 N	38.79 W	1808.40	358.77	0.28	0.23	0.16
MWD	6075	90.37	359.80	N 0.2 W	95	4537.92	1903.34	1902.98 N	38.84 W	1903.37	358.83	0.36	0.00	-0.36
MWD	6170	90.22	359.53	N 0.5 W	95	4537.43	1998.34	1997.97 N	39.39 W	1998.36	358.87	0.33	-0.16	-0.28
MWD	6265	90.53	359.17	N 0.8 W	95	4536.81	2093.33	2092.97 N	40.47 W	2093.36	358.89	0.50	0.33	-0.38
MWD	6360	91.42	359.06	N 0.9 W	95	4535.19	2188.32	2187.94 N	41.94 W	2188.34	358.90	0.94	0.94	-0.12
MWD	6423	89.38	359.63	N 0.4 W	63	4534.75	2251.31	2250.93 N	42.66 W	2251.34	358.91	3.36	-3.24	0.90
MWD	6487	88.89	359.35	N 0.6 W	64	4535.72	2315.30	2314.92 N	43.23 W	2315.32	358.93	0.88	-0.77	-0.44
MWD	6550	88.55	359.04	N 1.0 W	63	4537.13	2378.29	2377.90 N	44.11 W	2378.31	358.94	0.73	-0.54	-0.49
MWD	6645	88.23	358.94	N 1.1 W	95	4539.80	2473.25	2472.85 N	45.79 W	2473.27	358.94	0.35	-0.34	-0.11
MWD	6740	89.66	358.74	N 1.3 W	95	4541.55	2568.23	2567.81 N	47.71 W	2568.25	358.94	1.52	1.51	-0.21
MWD	6835	90.53	359.39	N 0.6 W	95	4541.39	2663.23	2662.79 N	49.26 W	2663.25	358.94	1.14	0.92	0.68
MWD	6929	91.36	359.15	N 0.9 W	94	4539.84	2757.21	2756.77 N	50.46 W	2757.23	358.95	0.92	0.88	-0.26
MWD	7024	91.63	359.99	N 0.0 W	95	4537.36	2852.18	2851.74 N	51.17 W	2852.20	358.97	0.93	0.28	0.88
MWD	7119	91.51	0.37	N 0.4 E	95	4534.76	2947.13	2946.70 N	50.87 W	2947.14	359.01	0.42	-0.13	0.40
MWD	7213	90.83	359.85	N 0.1 W	94	4532.84	3041.10	3040.68 N	50.69 W	3041.10	359.04	0.91	-0.72	-0.55





Section 32  
33S 6W

Section 33  
33S 6W

VALERIE 1-32



340' FNL 577' FEL

BHL: 8885'  
-97.986237 37.122596

Bottom Perf: 8467'  
-97.986322 37.121379

BILL 1-4



Section 5  
34S 6W

Section 4  
34S 6W

Top Perf: 5199'  
-97.986472 37.112513

Miss Entry: 4904'  
-97.986476 37.111648

BOLLMAN 3-4



MURRAY 3406 2-5H



MURRAY 3406 1-5H



Section 8  
34S 6W

Section 9  
34S 6W



Actual Bottom-Hole Location of Murray 3406 1-5H  
Harper County, Kansas

T&R: 34S 6W  
Section: 5, 577' FEL & 340' FNL  
Long/Lat: -97.986237 37.122596

1 in = 833 ft

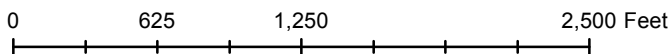


● Actual BH Location

\* BaseMap.SANDRIDGE.Well

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 7/22/2013

Drawing Name/Number:

Addendum\_Murray 3406 1-5H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502



Division : 0701  
 Delivery Ticket : 4705  
 Delivery Date : 4/2/2013  
 Office : 12/1/1901

P.O. BOX 3660  
 HOUMA, LA 70361-3660

Ordered By :  
 Lease/Well : MURRAY 3406 1-5H  
 Rig Name/Number : UNIT 310  
 AFE Number :  
 Site Contact :  
 :  
 :  
 :

Customer : SAN400

BILL TO : SANDRIDGE ENERGY  
 123 ROBERT S KERR AVENUE  
 OKLAHOMA CITY, OK 73102-6406  
 PHONE: (405) 753-5500 FAX: ()

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	MURRAY 3406 1-5H	\$17,250.00	\$0.00	\$17,250.00	3/29/2013 3/29/2013	\$17,250.00
100	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
100	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
80	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
80	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	PROVIDED PERSONAL TO FACILITATE DIGGTESS (ONE CALL)	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
20	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	3/29/2013 3/29/2013	
Sub Total:		\$17,250.00	\$0.00			\$17,250.00

Print Name

Signature

API No. <b>15-077-21921</b>
OTC/OCC Operator No.

**CEMENTING REPORT**  
To Accompany Completion Report

Form 1002C  
Rev. 1996

**OKLAHOMA CORPORATION COMMISSION**  
Oil & Gas Conservation Division  
Post Office Box 52000-2000  
Oklahoma City, Oklahoma 73152-2000  
OAC 165:10-3-4(h)

**ATTENTION: IMPORTANT REGULATORY DOCUMENT!**  
retain for your records and file with  
appropriate agency.

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

**TYPE OR USE BLACK INK ONLY**

*Field Name				OCC District
*Operator	<b>SANDRIDGE ENERGY INC EBUSINESS</b>			OCC/OTC Operator No
*Well Name/No.	<b>Murray 3406 1-5H</b>			County <b>Harper</b>
*Location	1/4	1/4	1/4	1/4
		Sec	<b>5</b>	Twp
			<b>34S</b>	Rge
				<b>6W</b>

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date		<b>4/12/2013</b>				
*Size of Drill Bit (Inches)						
*Estimated % wash or hole enlargement used in calculations						
*Size of Casing (inches O.D.)						
*Top of Liner (if liner used) (ft.)						
*Setting Depth of Casing (ft.) from ground level						
Type of Cement (API Class) In first (lead) or only slurry		<b>EXTENDACEM</b>				
In second slurry		<b>SWIFTCEM</b>				
In third slurry						
Sacks of Cement Used In first (lead) or only slurry		<b>220</b>				
In second slurry		<b>150</b>				
In third slurry						
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry		<b>464</b>				
In second slurry		<b>180</b>				
In third slurry						
Calculated Annular Height of Cement behind Pipe (ft)		<b>SURFACE</b>				
Cement left in pipe (ft)		<b>46.10</b>				

*Amount of Surface Casing Required (from Form 1000)	ft.
---	-----

*Was cement circulated to Ground Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	*Was Cement Staging Tool (DV Tool) used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Was Cement Bond Log run? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If so, Attach Copy)	*If Yes, at what depth? ft

**CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM**

\* Designates items to be completed by Operator.  
Items not so designated shall be completed by the Cementing Company.

Remarks

**Stage #1/Slurry #1:** Fresh Water

**Stage #1/Slurry #2:** HLC STANDARD w/ EXTENDACEM (TM) SYSTEM, 6 % Bentonite, 3 % Calcium Chloride, Pellet, 0.25 lbm Poly-E-Flake.

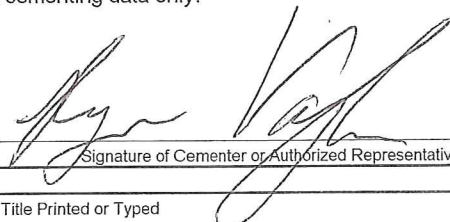
**Stage #1/Slurry #3:** STANDARD w/ SWIFTCEM (TM) SYSTEM, 2 % Calcium Chloride, Pellet, 0.125 lbm Poly-E-Flake.

**Stage #1/Slurry #4:** Displacement

\*Remarks

**CEMENTING COMPANY**

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers cementing data only.

  
 \_\_\_\_\_  
 Signature of Cementer or Authorized Representative

**OPERATOR**

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers all well data and information presented herein.

\_\_\_\_\_  
 Signature of Operator or Authorized Representative

Name & Title Printed or Typed

**RYAN VAUGHAN, Service Supervisor**

---

**Halliburton Energy Services**

Address

**701 DISPENSARY RD.**

City

**BURNS FLAT**

State

**OKLAHOMA**

Zip

**73624**

Telephone (AC) Number

**580-562-1500**

Date

**4/12/2013**

\*Name & Title Printed or Typed

---

\*Operator

---

\*Address

---

\*City

---

\*State

\*Zip

---

\*Telephone (AC) Number.

---

\*Date

**INSTRUCTIONS**

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
- B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
- C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

RECEIVED

MAY 2 2013

**HALLIBURTON** REGULATORY DEPT SANDRIDGE ENERGY *Cementing Job Summary*

*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 2991957	Quote #:	Sales Order #: 900364194
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Murray 3406	Well #: 1-5H	API/UWI #: 15-077-21921	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 5 Township 34S Range 6W			
Contractor: Unit		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: WADE, STEPHEN	MBU ID Emp #: 490458

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
REEVES, SCOTT L	9.0	518947	WADE, STEPHEN Bruce	9.0	490458	WIFA, HENRY Neniebari	9.0	491916

**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
4/17/2013	9	3						

**TOTAL** *Total is the sum of each column separately*

**Job**

**Job Times**

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Called Out	16 - Apr - 2013	20:30 CST
Bottom	On Location	17 - Apr - 2013	05:30 CST
Form Type	Job Started	17 - Apr - 2013	11:11 CST
Job depth MD	Job Completed	17 - Apr - 2013	12:39 GMT
Water Depth	Departed Loc	17 - Apr - 2013	14:30 CST
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
8.75" Open Hole				8.75				650.	5236.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110		5236.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		650.		

**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**

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
<b>Summit # 1</b>									

# HALLIBURTON

## Cementing Job Summary

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0		
2	50/50 POZ STANDARD 2% EXTRA GEL	ECONOCEM (TM) SYSTEM (452992)	130.0	sacks	13.6	1.53	7.24		7.24	
	0.4 %	HALAD(R)-9, 50 LB (100001617)								
	2 lbm	KOL-SEAL, BULK (100064233)								
	2 %	BENTONITE, BULK (100003682)								
	7.24 Gal	FRESH WATER								
3	Premium	HALCEM (TM) SYSTEM (452986)	190.0	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		197.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	298	Shut In: Instant		Lost Returns	0	Cement Slurry	75	Pad		
Top Of Cement	2473.5	5 Min		Cement Returns	0	Actual Displacement	298	Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6			
Cement Left In Pipe	Amount	84.72 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						

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/14/2013
Job End Date:	5/16/2013
State:	Kansas
County:	Harper
API Number:	15-077-21921-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Murray 3406 1-5H
Longitude:	-97.98600000
Latitude:	37.10960000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	1,607,299
Total Base Non Water Volume:	



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Fatty acids, tall-oil	61790-12-3	0.00782		
			Ammonium chloride	12125-02-9	0.14328		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00482		
			Trisodium ortho phosphate	7601-54-9	0.02811		
			Prop-2-yn-1-ol	107-19-7	0.00200		
			Crystalline silica	14808-60-7	96.26633		
			Ethoxylated oleic acid	9004-96-0	0.02866		
			Potassium hydroxide	1310-58-3	0.00022		
			Methanol	67-56-1	0.01065		
			Sodium erythorbate	6381-77-7	0.02359		
			Sorbitan monooleate	1338-43-8	0.02866		
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00430		



		Distillates (petroleum), hydrotreated light	64742-47-8	0.30089	
		Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00644	
		Sodium sulfocyanate	540-72-7	0.00745	
		Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00300	
		Sorbitol Tetraoleate	61723-83-9	0.00860	
		Alcohols, C10-C16, ethoxylated	68002-97-1	0.00573	
		Alkenes, C>10 a-	64743-02-8	0.00133	
		Water (Including Mix Water Supplied by Client)*	NA		
		Acrylamide/ammonium acrylate copolymer	26100-47-0	0.22925	
		Polyethylene glycol monohexyl ether	31726-34-8	0.10987	
		Hydrogen chloride	7647-01-0	2.68714	
		Alcohols, C12-C14, ethoxylated	68439-50-9	0.00430	
		C14 alpha olefin ethoxylate	84133-50-6	0.00430	
		Propan-2-ol	67-63-0	0.00096	
		2-propenamid	79-06-1	0.00129	
		2-Propenoic acid, ammonium salt	10604-69-0	0.00702	
		Ethane-1,2-diol	107-21-1	0.00800	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

## Summary of Changes

Lease Name and Number: Murray 3406 1-5H

API/Permit #: 15-077-21921-01-00

Doc ID: 1158705

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	07/23/2013	09/18/2013
Completion Or Recompletion Date	7/24/2013	9/5/2013
Date of First or Resumed Production or SWD or Enhr Producing Method Pumping	No	9/6/2013 Yes
Purchaser's Name		Atals (gas) Plains (oil)
Save Link	../kcc/detail/operatorE ditDetail.cfm?docID=11 50269	../kcc/detail/operatorE ditDetail.cfm?docID=11 58705
Well Type	SLOW	OIL

## Summary of Attachments

Lease Name and Number: Murray 3406 1-5H

API: 15-077-21921-01-00

Doc ID: 1158705

Correction Number: 1

Attachment Name

Directional survey

As drilled plat

Cement Reports

FracFocus disclosure



**CONFIDENTIAL**

**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
- 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
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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

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: \_\_\_\_\_