



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1099550  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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: \_\_\_\_\_



1099550

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

<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> <input type="checkbox"/> Other <i>(Specify)</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	Murphy 3119 2-7H
Doc ID	1099550

All Electric Logs Run

5 in density
ML Horizontal final
Induction
Final Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 3119 2-7H
Doc ID	1099550

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9048-9386	4189 bbls of water, 36 bbls acid, 75M lbs sand, 4225 TLTR	
5	8684-8956	4189 bbls of water, 36 bbls acid, 75M lbs sand, 4225 TLTR	
5	8272-8536	4155 bbls of water, 36 bbls acid, 75M lbs sand, 12890 TLTR	
5	7802-8154	4160 bbls of water, 36 bbls acid, 75M lbs sand, 17238 TLTR	
5	7426-7734	4167 bbls of water, 36 bbls acid, 75M lbs sand, 21405 TLTR	
5	7010-7318	4167 bbls of water, 36 bbls acid, 75M lbs sand, 25636 TLTR	
5	6564-6838	4153 bbls of water, 36 bbls acid, 75M lbs sand, 29840 TLTR	
5	6138-6480	4234 bbls of water, 36 bbls acid, 75M lbs sand, 34151 TLTR	
5	5737-6066	4108 bbls of water, 36 bbls acid, 75M lbs sand, 38319 TLTR	
5	5343-5654	4078 bbls of water, 36 bbls acid, 75M lbs sand, 42448 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 3119 2-7H
Doc ID	1099550

### 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	90	Pro Oilfield Services Cement	13	none
Surface	17.5	13.37	68	310	O-Tex Lite "Class C", Class "C", Premium Plus (Class C)	470	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 1	12.25	9.63	40	1006	O-Tex Lite Premium Plus, Premium Plus (Class C)	560	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5578	50/50 Poz Premium/Premium	250	4% gel, .4% C12, .1% C37, .5 C-41P, 2 lb/sk Phenoseal

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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
Production Liner	6.12	4.5	13.5	9485	50/50 Premium Poz	450	(4% Gel) .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 01, 2012

Tiffany Golay  
SandRidge Exploration and Production LLC  
123 ROBERT S. KERR AVE  
OKLAHOMA CITY, OK 73102-6406

Re: ACO1  
API 15-033-21671-01-00  
Murphy 3119 2-7H  
NW/4 Sec.07-31S-19W  
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Tiffany Golay



Standard Wellpath Report  
 Sandridge  
 Sec 7 - 31S -19W, Kansas  
 Comanche County  
 Wellbore: Murphy 3119 2-7H (Actual)

**Wellbore**

Name	Created	Last Revised
Murphy 3119 2-7H (Actual)	11-Oct-2012	5-Nov-2012

**Well**

Name	Government ID	Last Revised
Murphy 3119 2-7H		11-Oct-2012

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Murphy 3119 2-7H	256111.0000	1729075.0000	N37 21 58.7731	W99 25 56.0023	273.01S	4219.09W

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1733294.0000	256384.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 7 - 31S -19W	1733294.0000	256384.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments
FINAL surveys MD 9485 is a projection to bit @ TD





Standard Wellpath Report  
Sandridge  
Sec 7 - 31S -19W, Kansas  
Comanche County  
Wellbore: Murphy 3119 2-7H (Actual)

**Wellpath (Grid) Report**

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1729075.00	256111.00
1146.00	0.50	121.900	1145.99	2.64S	4.25E	0.04	2.36	1729079.25	256108.36
1603.00	0.30	158.100	1602.97	4.81S	6.38E	0.07	4.38	1729081.38	256106.19
2059.00	0.80	219.000	2058.96	8.39S	4.83E	0.15	8.05	1729079.83	256102.61
2515.00	0.80	234.700	2514.91	12.70S	0.22E	0.05	12.66	1729075.22	256098.30
2972.00	0.10	190.000	2971.89	14.94S	2.45W	0.16	15.07	1729072.55	256096.06
3429.00	0.40	327.100	3428.89	13.99S	3.38W	0.10	14.18	1729071.62	256097.01
3885.00	0.70	31.900	3884.87	10.29S	2.78W	0.14	10.45	1729072.22	256100.71
4204.00	0.90	44.400	4203.84	6.85S	0.01E	0.08	6.83	1729075.01	256104.15
4250.00	0.30	69.900	4249.84	6.55S	0.37E	1.40	6.51	1729075.37	256104.45
4281.00	2.60	187.300	4280.83	7.22S	0.36E	8.87	7.18	1729075.36	256103.78
4311.00	5.40	191.800	4310.75	9.27S	0.02W	9.38	9.25	1729074.98	256101.73
4342.00	6.90	193.700	4341.57	12.51S	0.76W	4.88	12.53	1729074.24	256098.49
4372.00	8.10	194.100	4371.32	16.31S	1.70W	4.00	16.39	1729073.30	256094.69
4403.00	9.70	191.000	4401.94	20.99S	2.73W	5.39	21.13	1729072.27	256090.01
4433.00	11.60	191.000	4431.43	26.43S	3.79W	6.33	26.63	1729071.21	256084.57
4463.00	13.90	191.200	4460.68	32.93S	5.06W	7.67	33.19	1729069.94	256078.07
4494.00	16.00	190.600	4490.63	40.78S	6.57W	6.79	41.13	1729068.43	256070.22
4524.00	18.00	189.100	4519.32	49.43S	8.06W	6.82	49.85	1729066.94	256061.57
4554.00	20.20	189.000	4547.67	59.12S	9.61W	7.33	59.62	1729065.39	256051.88
4585.00	22.70	188.700	4576.52	70.32S	11.35W	8.07	70.91	1729063.65	256040.68
4615.00	24.20	189.200	4604.04	82.11S	13.21W	5.04	82.80	1729061.79	256028.89
4646.00	25.60	190.000	4632.16	94.98S	15.39W	4.64	95.79	1729059.61	256016.02
4676.00	27.40	191.700	4659.00	108.13S	17.91W	6.51	109.07	1729057.09	256002.88
4707.00	29.70	192.500	4686.23	122.61S	21.02W	7.52	123.73	1729053.98	255988.39
4737.00	31.70	192.100	4712.03	137.57S	24.28W	6.70	138.87	1729050.72	255973.43
4768.00	33.40	190.700	4738.16	153.92S	27.58W	6.00	155.40	1729047.42	255957.08
4798.00	35.10	189.700	4762.95	170.54S	30.56W	5.97	172.18	1729044.44	255940.46
4828.00	37.30	190.300	4787.16	187.99S	33.64W	7.43	189.79	1729041.36	255923.02
4859.00	39.70	191.800	4811.42	206.92S	37.35W	8.31	208.93	1729037.65	255904.08
4889.00	42.30	192.400	4834.06	226.17S	41.47W	8.77	228.40	1729033.53	255884.84
4920.00	44.70	191.900	4856.55	247.03S	45.96W	7.82	249.51	1729029.04	255863.98
4950.00	47.30	190.300	4877.38	268.20S	50.11W	9.48	270.91	1729024.89	255842.81
4981.00	49.60	190.600	4897.94	291.01S	54.32W	7.45	293.95	1729020.68	255819.99
5011.00	49.90	190.100	4917.33	313.54S	58.43W	1.62	316.70	1729016.57	255797.47
5042.00	49.90	190.700	4937.30	336.86S	62.71W	1.48	340.25	1729012.29	255774.15
5072.00	50.00	191.000	4956.60	359.41S	67.04W	0.83	363.04	1729007.97	255751.59
5102.00	50.20	191.200	4975.84	382.00S	71.47W	0.84	385.87	1729003.53	255729.01
5133.00	49.70	191.800	4995.79	405.25S	76.20W	2.19	409.38	1728998.80	255705.76
5163.00	49.40	192.700	5015.25	427.56S	81.04W	2.49	431.96	1728993.96	255683.45
5194.00	51.10	192.300	5035.08	450.83S	86.20W	5.57	455.52	1728988.80	255660.18
5224.00	54.30	191.600	5053.25	474.17S	91.14W	10.83	479.13	1728983.87	255636.84
5255.00	58.20	190.800	5070.47	499.45S	96.14W	12.76	504.69	1728978.86	255611.56
5285.00	61.70	190.600	5085.49	524.97S	100.96W	11.68	530.46	1728974.05	255586.04
5315.00	65.10	190.000	5098.92	551.36S	105.75W	11.47	557.11	1728969.25	255559.66
5346.00	68.00	189.400	5111.26	579.39S	110.54W	9.52	585.39	1728964.46	255531.63
5377.00	70.90	190.100	5122.14	607.99S	115.46W	9.59	614.26	1728959.55	255503.02
5407.00	74.10	190.200	5131.16	636.15S	120.50W	10.67	642.69	1728954.50	255474.86
5438.00	76.90	190.400	5138.92	665.68S	125.86W	9.05	672.50	1728949.14	255445.34
5468.00	79.00	190.400	5145.18	694.53S	131.16W	7.00	701.64	1728943.84	255416.48
5498.00	80.90	190.300	5150.42	723.59S	136.47W	6.34	730.99	1728938.54	255387.43
5529.00	84.20	191.000	5154.44	753.79S	142.15W	10.88	761.50	1728932.85	255357.22
5588.00	89.40	190.500	5157.73	811.65S	153.13W	8.85	819.95	1728921.87	255299.37
5680.00	89.90	185.700	5158.29	902.70S	166.09W	5.25	911.66	1728908.91	255208.32
5772.00	88.40	184.100	5159.66	994.35S	173.95W	2.38	1003.62	1728901.06	255116.67
5864.00	88.70	183.100	5161.99	1086.14S	179.72W	1.13	1095.59	1728895.28	255024.89
5956.00	89.30	182.100	5163.59	1178.03S	183.89W	1.27	1187.56	1728891.11	254933.00
6048.00	90.80	181.700	5163.51	1269.97S	186.94W	1.69	1279.51	1728888.06	254841.05
6140.00	89.90	181.900	5162.95	1361.92S	189.83W	1.00	1371.45	1728885.17	254749.10
6232.00	89.50	181.900	5163.43	1453.87S	192.88W	0.43	1463.40	1728882.12	254657.16
6323.00	89.20	182.000	5164.46	1544.81S	195.98W	0.35	1554.35	1728879.02	254566.22
6416.00	90.20	182.800	5164.95	1637.73S	199.88W	1.38	1647.32	1728875.13	254473.30
6508.00	89.50	181.800	5165.19	1729.65S	203.57W	1.33	1739.29	1728871.44	254381.38
6600.00	90.20	182.200	5165.43	1821.60S	206.78W	0.88	1831.24	1728868.23	254289.44
6693.00	90.30	182.400	5165.03	1914.52S	210.51W	0.24	1924.21	1728864.49	254196.52
6784.00	90.60	182.400	5164.31	2005.44S	214.32W	0.33	2015.18	1728860.68	254105.60
6875.00	89.60	181.900	5164.15	2096.37S	217.73W	1.23	2106.14	1728857.27	254014.67
6971.00	90.50	182.100	5164.07	2192.31S	221.09W	0.96	2202.10	1728853.92	253918.73
7068.00	90.50	181.500	5163.22	2289.26S	224.13W	0.62	2299.04	1728850.87	253821.79
7164.00	89.60	180.700	5163.14	2385.24S	225.97W	1.25	2394.93	1728849.03	253725.81

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Murphy 3119 2-7H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 183.760 degrees  
Bottom hole distance is 4714.31 Feet on azimuth 183.76 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 5-Nov-2012



Standard Wellpath Report  
 Sandridge  
 Sec 7 - 31S -19W, Kansas  
 Comanche County  
 Wellbore: Murphy 3119 2-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft ]	Easting	Northing
7260.00	88.50	180.300	5164.73	2481.22S	226.81W	1.22	2490.76	1728848.19	253629.83
7356.00	89.70	181.400	5166.24	2577.20S	228.24W	1.70	2586.62	1728846.77	253533.86
7452.00	90.10	182.900	5166.41	2673.13S	231.84W	1.62	2682.58	1728843.17	253437.93
7547.00	90.00	183.300	5166.32	2767.99S	236.98W	0.43	2777.57	1728838.03	253343.07
7644.00	89.90	183.100	5166.41	2864.84S	242.39W	0.23	2874.57	1728832.61	253246.22
7740.00	89.70	182.900	5166.74	2960.70S	247.41W	0.29	2970.56	1728827.59	253150.36
7836.00	90.00	183.200	5166.99	3056.57S	252.52W	0.44	3066.55	1728822.48	253054.49
7930.00	91.60	182.100	5165.68	3150.45S	256.87W	2.07	3160.52	1728818.14	252960.61
8026.00	91.50	182.100	5163.08	3246.35S	260.38W	0.10	3256.44	1728814.62	252864.71
8122.00	91.70	181.400	5160.40	3342.27S	263.31W	0.76	3352.35	1728811.69	252768.80
8219.00	90.20	181.200	5158.80	3439.23S	265.52W	1.56	3449.24	1728809.49	252671.84
8312.00	88.80	181.900	5159.61	3532.19S	268.03W	1.68	3542.17	1728806.97	252578.88
8407.00	88.40	181.400	5161.93	3627.12S	270.77W	0.67	3637.07	1728804.24	252483.95
8503.00	88.20	182.200	5164.78	3723.03S	273.78W	0.86	3732.97	1728801.23	252388.04
8599.00	89.40	182.900	5166.79	3818.91S	278.05W	1.45	3828.93	1728796.96	252292.17
8696.00	90.20	183.000	5167.13	3915.78S	283.04W	0.83	3925.92	1728791.96	252195.30
8791.00	89.60	183.400	5167.29	4010.63S	288.34W	0.76	4020.91	1728786.66	252100.45
8886.00	90.60	182.900	5167.13	4105.49S	293.56W	1.18	4115.90	1728781.44	252005.60
8979.00	90.40	182.100	5166.31	4198.39S	297.62W	0.89	4208.88	1728777.39	251912.69
9076.00	89.90	180.800	5166.06	4295.36S	300.08W	1.44	4305.79	1728774.93	251815.73
9170.00	89.20	181.700	5166.80	4389.33S	302.13W	1.21	4399.70	1728772.88	251721.75
9266.00	88.80	181.400	5168.47	4485.28S	304.72W	0.52	4495.61	1728770.28	251625.81
9362.00	88.60	181.700	5170.65	4581.22S	307.32W	0.38	4591.52	1728767.69	251529.87
9435.00	88.20	180.600	5172.69	4654.18S	308.78W	1.60	4664.41	1728766.22	251456.91
9485.00	88.20	180.600	5174.26	4704.15S	309.31W	==>	4714.31	1728765.70	251406.94

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Murphy 3119 2-7H 0.00ft above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 183.760 degrees  
 Bottom hole distance is 4714.31 Feet on azimuth 183.76 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 5-Nov-2012



Standard Wellpath Report  
Sandridge  
Sec 7 - 31S - 19W, Kansas  
Comanche County  
Wellbore: Murphy 3119 2-7H (Actual)

**Comments**

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9485.00	5174.26	4704.15S	309.31W	Projection to bit @ TD

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Murphy 3119 2-7H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 183.760 degrees  
Bottom hole distance is 4714.31 Feet on azimuth 183.76 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 5-Nov-2012





Division : 0701  
 Delivery Ticket : 2912  
 Delivery Date : 10/16/2012

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

Ordered By :  
 Lease/Well : MURPHY 3119 #2-7H  
 Rig Name/Number : LARIATE 45  
 AFE Number :  
 Site Contact :

Customer : SAN400

BILL TO : SANDRIDGE ENERGY  
 123 ROBERT S KERR AVENUE  
 OKLAHOMA CITY, OK 73102-8408  
 PHONE: (405) 763-6600 FAX: ()

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	MURPHY 3119 #2-7H	\$26,600.00	\$0.00	\$26,600.00	10/11/2012 10/11/2012	\$26,600.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
76	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
76	18" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
13	CEMENT	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
1	PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE	\$0.00	\$0.00	\$0.00	10/11/2012 10/11/2012	
Sub Total:		\$26,600.00	\$0.00			\$26,600.00

AFE Number: DC12422  
 Well Name: Murphy 3119 2-7H  
 Code: 850-010  
 Amount: \$26,600.00  
 Co. Man: Lawrence Rogers / Carl Miller  
 Co. Man Sig.: Carl Miller  
 Site: conductor / mousehole

\_\_\_\_\_  
 Print Name  
 \_\_\_\_\_  
 Signature

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2008</b>	TICKET DATE <b>10/20/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>CLAUDE HALLMARK</b>	
LEASE NAME <b>MURPHY</b>	Well No. <b>3119 2-7H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Billy Taff</b>	

EMP NAME <b>Billy Taff</b>					
<b>Jason Jones</b>					
<b>Marcos Quintana</b>					
<b>gale womack</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **300**

Date	Called Out	On Location	Job Started	Job Completed
	<b>10/19/2012</b>	<b>10/20/2012</b>	<b>10/20/2012</b>	<b>10/20/2012</b>
Time	<b>20:00</b>	<b>01:00</b>	<b>12:00PM</b>	<b>3:00PM</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		68#	13	3/8	Surface		1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17	1/2"	Surface	300	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	<b>9</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	resh Water	BBL.	<b>10</b> 8.33
Spacer type		BBL.	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	ln
NE Agent		Gal.	ln
Fluid Loss		Gal/Lb	ln
Gelling Agent		Gal/Lb	ln
Fric. Red.		Gal/Lb	ln
MISC.		Gal/Lb	ln
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>10/20</b>	<b>14.0</b>	<b>10/20</b>	<b>3.0</b>	<b>Surface</b>
Total	<b>14.0</b>	Total	<b>3.0</b>	

Pressures			
MAX	1,500 PSI	AVG.	50
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	37	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	D-TEX Lite "Class C" 65/3	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	120	Class "C"	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary								
Preflush		Type:		Preflush:	BBI	<b>10.00</b>	Type:	Fresh Water
Breakdown		MAXIMUM	<b>1,500 PSI</b>	Load & Bkdn:	Gal - BBI	<b>N/A</b>	Pad:Bbl - Gal	<b>N/A</b>
		Lost Returns-N	<b>NO/FULL</b>	Excess /Return	BBI	<b>40</b>	Calc. Disp Bbl	<b>41</b>
		Actual TOC	<b>SURFACE</b>	Calc. TOC:		<b>SURFACE</b>	Actual Disp.	<b>40.80</b>
Average		Bump Plug PSI:	<b>500</b>	Final Circ.	PSI:	<b>60</b>	Disp:Bbl	<b>40.80</b>
ISIP	5 Min.	10 Min.		Cement Slurry:	BBI	<b>110.0</b>		
		15 Min.		Total Volume	BBI	<b>160.80</b>		

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2013</b>	TICKET DATE <b>10/21/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>CLAUDE HALLMARK</b>	
LEASE NAME <b>MURPHY</b>	Well No. <b>3119 2-7H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Billy Taff</b>	

EMP NAME <b>Billy Taff</b>	0			
<b>Jason Jones</b>				
<b>Marcos Quintana</b>				
<b>Wallace Berry</b>				

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At 0

Bottom Hole Temp. 80 Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth 1000'

Date	Called Out	On Location	Job Started	Job Completed
	<b>10/21/2012</b>	<b>10/21/2012</b>	<b>10/21/2012</b>	<b>10/21/2012</b>
Time	<b>12:00PM</b>	<b>3:00PM</b>	<b>6:00PM</b>	<b>8:00PM</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data					
	New/Used	Weight	Size Grade	From	To
Casing		36#	9 5/8"	Surface	
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			12 1/4"	Surface	1,000'
Perforations					Shots/Ft.
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Fresh Water BBL.		10
Spacer type	BBL.		8.33
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/21	5.0	10/21	2.0	Surface
Total	5.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	100
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush	_____	Type:	_____	Preflush:	BBI <u>10.00</u> Type: <u>Fresh Water</u>
Breakdown	_____	MAXIMUM	<u>1,500 PSI</u>	Load & Bkdn:	Gal - BBI <u>N/A</u> Pad:Bbl -Gal <u>N/A</u>
	_____	Lost Returns-N	<u>NO/FULL</u>	Excess /Return BBI	<u>40</u> Calc.Disp Bbl <u>75</u>
	_____	Actual TOC	<u>SURFACE</u>	Calc. TOC:	<u>SURFACE</u> Actual Disp. <u>74.50</u>
Average	_____	Bump Plug PSI:	<u>800</u>	Final Circ. PSI:	<u>210</u> Disp:Bbl _____
ISIP	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry: BBI	<u>136.0</u>
				Total Volume	BBI <u>220.50</u>

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK2034</b>	TICKET DATE <b>10/27/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>TOMMY WHITLOW</b>	
LEASE NAME <b>MURPHY</b>	Well No. <b>3119 2-7H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>Larry Kirchner Jr.</b>	

EMP NAME <b>Larry Kirchner Jr.</b>	<b>Kevin Johnson</b>				
<b>John Hall</b>					
<b>Wallace Berry</b>					
<b>Vontray Watkins</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **155** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **5584**

Date	Called Out <b>10/26/2012</b>	On Location <b>10/26/2012</b>	Job Started <b>10/27/2012</b>	Job Completed <b>10/27/2012</b>
Time	<b>6:00PM</b>	<b>11:30PM</b>	<b>7:17AM</b>	<b>9:00AM</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	26#	7"		Surface	5,558'	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,584	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	<b>9</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	resh Water BBL.		<b>20</b> 8.33
Spacer type	Caustic BBL.		<b>10</b> 8.40
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		ln
NE Agent	Gal.		ln
Fluid Loss	Gal/Lb		ln
Gelling Agent	Gal/Lb		ln
Fric. Red.	Gal/Lb		ln
MISC.	Gal/Lb		ln
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/26	0.5	10/27	2.0	Intermediate
10/27	9.0			
Total	9.5	Total	2.0	

Pressures			
MAX	5,000 PSI	AVG.	400
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	46.28'	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	150	60/60 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary						
Preflush	<b>10</b>	Type:	Caustic	Preflush:	BBI	<b>20.00</b> Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	N/A Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A Calc. Disp Bbl 211
Average		Actual TOC		Calc. TOC:		3,401' Actual Disp. <b>210.50</b>
ISIP	5 Min.	Bump Plug PSI:		Final Circ.	PSI:	1,000 Disp:Bbl
	10 Min.	15 Min.		Cement Slurry:	BBI	<b>59.5</b>
				Total Volume	BBI	<b>290.00</b>

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2063</b>	TICKET DATE <b>11/01/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>TOMMY WHITLOW</b>	
LEASE NAME <b>MURPHY 3119</b>	Well No. <b>2-7H</b>	JOB TYPE <b>Liner</b>	EMPLOYEE NAME <b>Robert Burris</b>	

EMP NAME	<b>Robert Burris</b>	<b>Wesley Truex</b>			
	<b>Jessie McClain</b>				
	<b>Billy Taff</b>				
	<b>Rocky Anthis</b>				

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
Packer Type \_\_\_\_\_ Set At **0**  
Bottom Hole Temp. **150** Pressure \_\_\_\_\_  
Retainer Depth \_\_\_\_\_ Total Depth **9485**

Date	Called Out	On Location	Job Started	Job Completed
	<b>11/1/2012</b>	<b>11/1/2012</b>	<b>11/1/2012</b>	<b>11/1/2012</b>
Time	<b>11:30</b>	<b>14:45</b>	<b>19:17</b>	<b>20:25</b>

Type and Size	Qty	Make
Auto Fill Tube	0	<b>Weatherford</b>
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	11.6	4 1/2		5206	9485	
Liner Tool				5,185	5,206	
HWDP				3,806	6,186	
Drill Pipe		3 1/2"		Surface	3,806	
Drill Collars						
Open Hole		6 1/8"		Surface	9,485	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	<b>8.33</b>	Lb/Gal
Spacer type	Gel	BBL.	30
Spacer type		BBL.	8.59
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>11/1</b>	<b>6.5</b>	<b>11/1</b>	<b>1.3</b>	Liner
<b>Total</b>	<b>6.5</b>	<b>Total</b>	<b>1.3</b>	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_

Pressures	
MAX <b>5000 PSI</b>	AVG. <b>925</b>
Average Rates in BPM	
MAX <b>6 BPM</b>	AVG <b>4</b>
Cement Left in Pipe	
Feet <b>88</b>	Reason <b>SHOE JOINT</b>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>450</b>	<b>50/50 Premium Poz</b>	<b>(4%Gel) -.4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal</b>	<b>6.77</b>	<b>1.44</b>	<b>13.60</b>
<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>

Summary						
Preflush Breakdown	_____	Type: _____	Preflush: <b>BBI</b>	<b>30.00</b>	Type: <b>8.59#SPACER</b>	
		MAXIMUM _____	Load & Bkdn: <b>Gal - BBI</b>	<b>N/A</b>	Pad:Bbl -Gal _____	<b>N/A</b>
		Lost Returns-N _____	Excess /Return <b>BBI</b>	<b>N/A</b>	Calc.Disp Bbl _____	<b>115</b>
		Actual TOC _____	Calc. TOC: _____	<b>5.447</b>	Actual Disp. _____	<b>112.50</b>
Average		Bump Plug PSI: _____	Final Circ. <b>PSI:</b>	<b>925</b>	Disp:Bbl _____	
ISIP _____	5 Min. _____	10 Min. _____	Cement Slurry: <b>BBI</b>	<b>115.0</b>		
		15 Min. _____	Total Volume <b>BBI</b>	<b>257.50</b>		

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



Section 1  
31S 20W

Section 6  
31S 19W

GABRIEL 1-12H



MURPHY 3119 2-7H

\* \* BROTHERS 3119 1-6H

MURPHY 1-7H



Miss Entry: 5275'  
-99.432945 37.364904

Top Perf: 5343'  
-99.432976 37.364754

Section 12  
31S 20W

Section 7  
31S 19W

PATRICIA 7-1



Bottom Perf: 9048'  
-99.4335 37.354544

BHL: 9485'  
-99.433518 37.353421

681' FWL

346' FSL

Section 13  
31S 20W

Section 18  
31S 19W



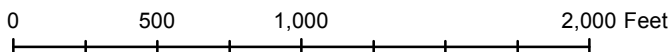
● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections

Actual Bottom-Hole Location of Murphy 3119 2-7H  
Comanche County, Kansas  
T&R: 31S 19W  
Section: 7, 681' FWL & 346' FSL  
Long/Lat: -99.433518 37.353421  
1 in = 667 ft



Draftsman:

Aaron Birk

Draft Date: 1/30/2013

Drawing Name/Number:

Addendum\_Murphy\_2-7H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

Tiffany Golay  
02/04/013  
08:06 am

Frac Disclosure uploaded to Frac Focus

Tiffany Golay  
01/31/013  
10:03 am

Additional Fluid Mgmt Info: 420 bbls hauled to Weinett Disposal LLC,  
NW/4 Section 1079 Block 43, Lipscomb, TX 10-0992

Tiffany Golay  
01/16/013  
08:30 am

Conductor weight= 94 lbs/ft