CORRECTION #1

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1087413

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Kathy Gentry
Purchaser: DCP (gas) NCRA (oil)

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 #:

3/14/2012	4/28/2012	5/1/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21616-01-00
Spot Description:
N2 - N2 - NW - NE Sec. 7 Twp. 31 S. R. 19 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
1980 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Murphy Well #: 1-7H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2098 Kelly Bushing: 2118
Total Vertical Depth: 9415 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 833 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: 49125 ppm Fluid volume: 1720 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: WEst OK Disposal
Lease Name: Dixie License #: 99999
Quarter SW Sec. 23 Twp. 22 S. R. 23 ☐ East ☑ West
County: Ellis, OK Permit #: 133191

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: 07/12/2012
☑ **Confidential Release Date:** 07/12/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/16/2012

CORRECTION #1
Page Two

[redacted]

1087413

Operator Name: SandRidge Exploration and Production LLC Lease Name: Murphy Well #: 1-7H

Sec. 7 Twp. 31 S. R. 19 ☐ East ☑ West County: Comanche

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Porosity
Resistivity
WellSight Log Viewer

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner	4168	-2051
Cherokee Group	4924	-2807
Miss unconformity	5015	-2898
Mississippi 'Solid'	5052	-2935

CASING RECORD ☑ New ☐ 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

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

Date of First, Resumed Production, SWD or ENHR. 5/23/2012

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 1-7H
Doc ID	1087413

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9013-9310	4327 bbls water, 36 bbls acid, 75M lbs sd, 4263 TLTR	
5	8658-8950	4226 bbls water, 36 bbls acid, 76M lbs sd, 8745 TLTR	
5	8260-8592	4506 bbls water, 36 bbls acid, 75M lbs sd, 13390 TLTR	
5	7907-8204	4204 bbls water, 36 bbls acid, 75M lbs sd, 17714 TLTR	
5	7538-7835	4141 bbls wagter, 36 bbls acid, 75 lbs sd, 21958 TLTR	
5	7186-7480	4201 bbls water, 36 bbls acid, 75M lbs sd, 2691 TLTR	
5	6851-7097	4330 bbls wtaqer, 36 bbls acid, 75M lbs sd, 30657 TLTR	
5	6431-6728	4228 bbls water, 36 bbls acid, 75M lbs sd, 34956 TLTR	
5	6063-6340	4186 bbls water, 36 bbls acid, 75M lbs sd, 39871 TLTR	
5	5694-5986	4177 bbls water, 36 bbls acid, 74M lbs sd, 44106 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 1-7H
Doc ID	1087413

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5325-5622	4274 bbls water, 36 bbls acid, 74M lbs sd, 48390 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 1-7H
Doc ID	1087413

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	110	Express Grout	16	none
Surface	12.25	9.63	36	833	O-Tex Lite Standard/ Standard	560	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5520	50/50 Pox Premium/ Premium	300	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9415	50/50 Premium Poz	475	(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

Kansas
Corporation Commission

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

July 16, 2012

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

Re: ACO1
API 15-033-21616-01-00
Murphy 1-7H
NE/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

Summary of Changes

Lease Name and Number: Murphy 1-7H

API/Permit #: 15-033-21616-01-00

Doc ID: 1087413

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	07/12/2012	07/16/2012
Fluid Mngmt - County	Comanche	Ellis, OK
Fluid Mngmt - Lease Name	Dixie SWD 1-25	Dixie
Fluid Mngmt - Operator License	34192	99999
Fluid Mngmt - Operator Name	SandRidge Energy LLC	WEst OK Disposal
Fluid Mngmt - Permit	D-30872	133191
Fluid Mngmt - Range	20	23
Fluid Mngmt - Section	25	23
Fluid Mngmt - Township	31	22
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1076338	../../kcc/detail/operatorEditDetail.cfm?docID=1087413

Summary of Attachments

Lease Name and Number: Murphy 1-7H

API: 15-033-21616-01-00

Doc ID: 1087413

Correction Number: 1

Attachment Name

Two Year Confidentiality

1076338

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Kathy Gentry
Purchaser: DCP (gas) NCRA (oil)

Designate Type of Completion:

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

- [x] Oil
- [ ] Gas
- [ ] OG
- [ ] CM *(Coal Bed Methane)*
- [ ] Cathodic
- [ ] WSW
- [ ] D&A
- [ ] SWD
- [ ] ENHR
- [ ] GSW
- [ ] Other *(Core, Expl., etc.)*:
- [ ] SIOW
- [ ] SIGW
- [ ] Temp. Abd.

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 #:

3/14/2012	4/28/2012	5/1/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21616-01-00
Spot Description:
N2 - N2 - NW - NE Sec. 7 Twp. 31 S. R. 19 [ ] East [x] West
200 Feet from [x] North / [ ] South Line of Section
1980 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Comanche
Lease Name: Murphy Well #: 1-7H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2098 Kelly Bushing: 2118
Total Depth: 9415 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 833 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 49125 ppm Fluid volume: 1720 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: SandRidge Energy LLC
Lease Name: Dixie SWD 1-25 License #: 34192
Quarter SW Sec. 25 Twp. 31 S. R. 20 [ ] East [x] West
County: Comanche Permit #: D-30872

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- [x] **Letter of Confidentiality Received**
  Date: 07/12/2012
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 07/12/2012

Side Two

1076338

Operator Name: SandRidge Exploration and Production LLC Lease Name: Murphy Well #: 1-7H

Sec. 7 Twp. 31 S. R. 19 ☐ East ☑ West County: Comanche

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

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Porosity
Resistivity
WellSight Log Viewer

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner	4168	-2051
Cherokee Group	4924	-2807
Miss unconformity	5015	-2898
Mississippi 'Solid'	5052	-2935

CASING RECORD ☑ New ☐ 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

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

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

Date of First, Resumed Production, SWD or ENHR. 5/23/2012

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 1-7H
Doc ID	1076338

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9013-9310	4327 bbls water, 36 bbls acid, 75M lbs sd, 4263 TLTR	
5	8658-8950	4226 bbls water, 36 bbls acid, 76M lbs sd, 8745 TLTR	
5	8260-8592	4506 bbls water, 36 bbls acid, 75M lbs sd, 13390 TLTR	
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5	5694-5986	4177 bbls water, 36 bbls acid, 74M lbs sd, 44106 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Murphy 1-7H
Doc ID	1076338

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
Conductor	24	20	75	110	Express Grout	16	none
Surface	12.25	9.63	36	833	O-Tex Lite Standard/ Standard	560	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5520	50/50 Pox Premium/ Premium	300	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9415	50/50 Premium Poz	475	(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

Kansas
Corporation Commission

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

April 19, 2012

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

Re: ACO1
API 15-033-21616-01-00
Murphy 1-7H
NE/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

EXPRESS ENERGY SERVICES.
INVOICE PRICE SHEET

Date: 16-Mar Job Ticket # 33

Company Name: Sandridge
Lease Name: Murphy # 1-7 H
Legal Description:
City / County / State: Coldwater / Commanche / Kansas
Company Rep: Jason
Drilling Rig: Lariate # 45

Drill Conductor Hole	RHD-029	130	ft of	30	inch hole	@	$60.00	per ft	=	$7,800.00
Conductor Pipe	RJM-104	130	ft of	20	inch	@	$55.00	per ft	=	$7,150.00 Tx
Drill Rat Hole			ft of		inch hole	@		per ft	=	0.00
Rat Hole Casing			ft of		inch	@		per ft	=	0.00 Tx
Drill Mouse Hole	RHD-032	75	ft of	20	inch hole	@	$35.00	per ft	=	2625.00
Mouse Hole Casing	RJM-102	75	ft of	16	inch	@	$25.00	per ft	=	1875.00 Tx
Drill Cellar	RJM-112	6	ft of	76	inch hole	@	$100.00	per ft	=	600.00
Cellar	RJM-130	6	ft of	72	inch	@	$125.00	per ft		750.00 Tx

Rock Time	[redacted]			
Dirt Removal	RSP-300			100.00
Place Conductor Pipe	RHD-013			1500.00
Place [redacted] MH	RHD-014			1250.00
Place Shucks				
Weld Pipe				[redacted]
Cover Plates for pipe	RJM-120	3 @ 150 each		450.00 Tx
Cement Hauling				250.00
Grout	RJM-116	16 yds	@ 200 per yd	3200.00 Tx
Cement Pumping	RJI-113			2500.00
2" nipple & ballvalve	[redacted]	@ 250 each		0.00
Mud Disposal				
Backhoe Services				
TOTAL SERVICES				
TOTAL TAXABLE MATERIALS				

	State Sales Tax	0.0000%	$0.00
	County Sales Tax	0.0000%	$0.00

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1385	04/15/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Jessie New

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Murphy	1-7H	Surface	Robert Burris

EMP NAME							
Robert Burris		0					
Arthur Setzar							
Larry Kirchner Sr.							
Emmit Brock							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 833

	Called Out	On Location	Job Started	Job Completed
Date	4/17/2012	4/17/2012	4/17/2012	4/18/2012
Time	01:30	04:30	10:50	08:00

Tools and Accessories

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	Max. Allow
Casing		36#	9 5/8"	Surface	833	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	838	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	resh Wate	BBL.	10	8.33	
Spacer type		BBL.			
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 _____

Other _____

Hours On Location

Date	Hours
4/17	27.0
Total	27.0

Operating Hours

Date	Hours
4/18	20.5
Total	20.5

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 6

Cement Left in Pipe

Feet 48 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .6% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	0	Calc.Disp Bbl 61
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 60.00
Average		Bump Plug PSI:	1,000	Final Circ.	PSI:	450	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	180.0	
				Total Volume	BBl	250.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1413	04/23/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	JESSIE NEW

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
MURPHY	1-7H	Intermediate	Matt Wilson

EMP NAME								
Matt Wilson		0						
Jayson Pierce								
David Thomas								
Thomas Walker								

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5,626'

	Called Out	On Location	Job Started	Job Completed
Date	4/24/2012	4/24/2012	4/24/2012	4/24/2012
Time	12:00 am	9:00 am	12:51 pm	3:00 pm

Tools and Accessories

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

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,620	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,620	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	resh Wate	BBL.	20		8.33
Spacer type	Caustic	BBL.	10		8.40
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 _____

Other _____

Hours On Location

Date	Hours
4/24	6.0
Total	6.0

Operating Hours

Date	Hours
4/24	4.0
Total	4.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 200

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 90 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	50/50 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	0.00

Summary

Preflush 10 Type: Caustic

Breakdown MAXIMUM 5,000 PSI

Lost Returns-N NO/FULL

Actual TOC 4,000'

Average Bump Plug PSI:

ISIP _____ 5 Min. _____ 10 Min _____ 15 Min _____

Preflush:	BBl	20.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	N/A
Calc. TOC:		4,000'
Final Circ.	PSI:	680
Cement Slurry:	BBl	86.6
Total Volume	BBl	308.00

Type: Fresh Water

Pad:Bbl -Gal N/A

Calc.Disp Bbl 208

Actual Disp. 208.00

Disp:Bbl _____

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1428	04/30/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Oklahoma	dridge Exploration & Produc	Claude Hallmark

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Murphy	1-7H	Liner	Charles Spracklen

EMP NAME							
Charles Spracklen		0.00					
Bryan Douglas							
Emmit Brock							
Larry Kirchner Jr.							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,620'

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9,415'

	Called Out	On Location	Job Started	Job Completed
Date	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Time	02:30	08:00	11:00	12:00

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
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	5192	9,415'	3,500
Liner Tool				5,192	5,192	3,500
HWDP				4,252	5,192	3,500
Drill Pipe			3 1/2"	Surface	4,252	3,500
Drill Collars						3,500
Open Hole			6 1/8"	Surface	9,415'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	resh Wate	BBL.	20	8.33	
Spacer type	Caustic	BBL.	10	8.40	
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 _____

Other _____

Hours On Location

Date	Hours
4/30	
Total	0.0

Operating Hours

Date	Hours
4/30	
Total	0.0

Description of Job

Liner

Pressures

MAX 5100 AVG. 850

Average Rates in BPM

MAX 5.5 AVG 5

Cement Left in Pipe

Feet 82 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	475	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10-	Type:	Caustic	Preflush:	BBl	20.00	Type: Fresh Water
Breakdown		MAXIMUM	3,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 115
		Actual TOC	4,693'	Calc. TOC:		4,693'	Actual Disp. 115.00
Average		Bump Plug PSI:		Final Circ.	PSI:	715	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	121.8	
				Total Volume	BBl	256.82	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

American Measurement Services

A Limited Liability Company
Ames, Oklahoma

Station Number:	KS03R0035
Producer:	SANDRIDGE ENERGY
Lease:	MURPHY 1-7H
Sample Pressure:	89.0
Sample Temperature:	77.0
Cylinder Number:	7902
Analysis By:	AMS
Date Sampled:	5/23/2012
Analysis Run Date:	5/23/2012

Gas Components	*Mole Percent*	*GPM*
Methane	86.202	
Ethane	4.214	1.1202
Propane	1.356	0.3713
IButane	0.315	0.1024
NButane	0.537	0.1682
IPentan	0.208	0.0756
NPentan	0.177	0.0636
C6 +	0.416	0.1805
Nitrogen	6.357	
CO2	0.219	
	100.00%	2.0817

BTU @ 14.65 @ 60 F - Real

Dry	1043.1
Wet	1024.8
Specific Gravity - Real	0.6481
Z =	0.9976

Gasoline Content

Propane And Heavier	0.9616
Butane And Heavier	0.5903
Pentane And Heavier	0.3197

H2S Field Test: PPM

Field Remarks:

Analysis Based Upon GPA 2145, 2172, And 2261

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
Murphy 1-7H	181.30						6/28/12
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

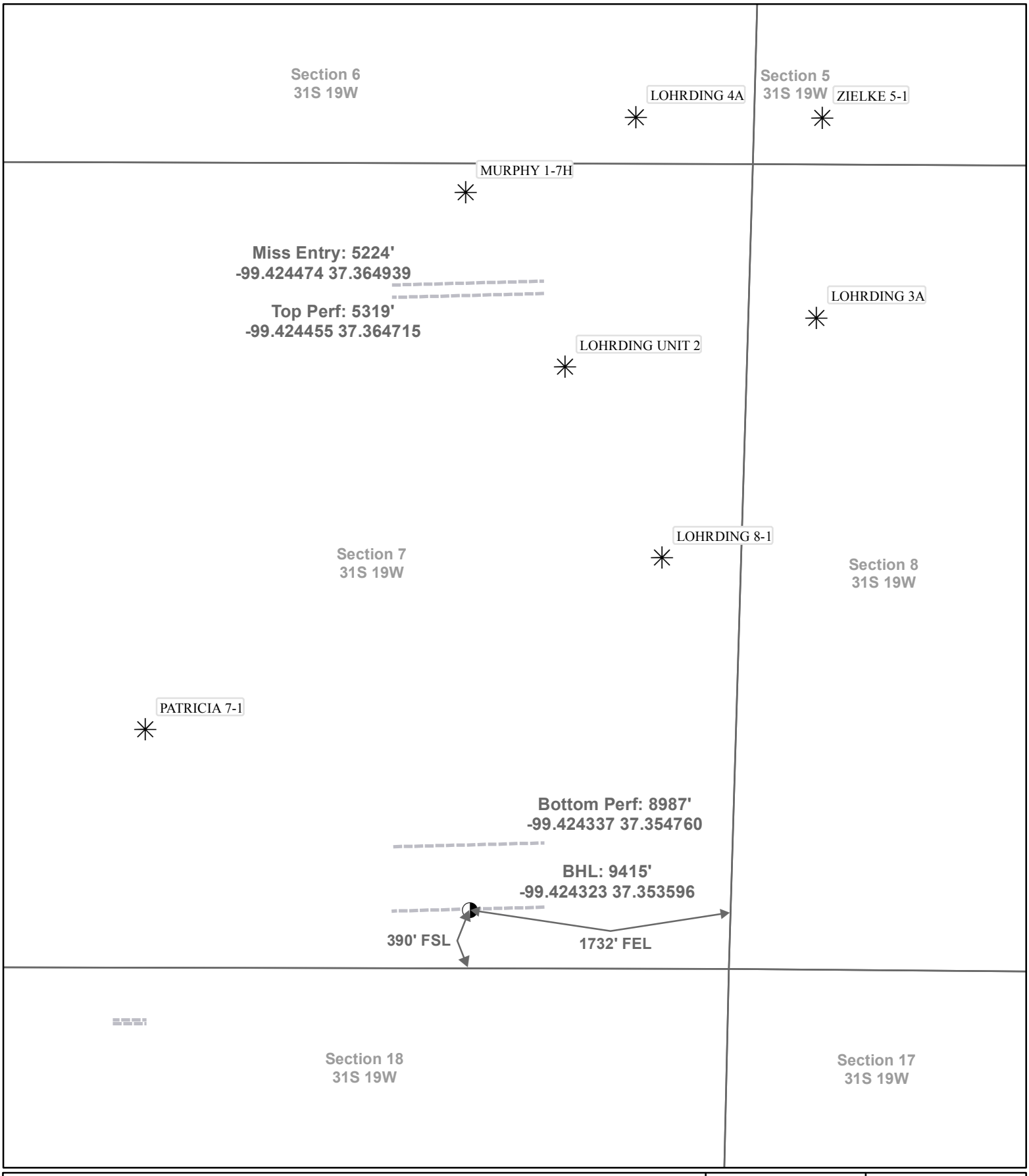
Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
1078	2	251	1078	1,077.86	5.12	-4.80	-14.26	0.15	0.15	23.32
1552	1	199	474	1,551.73	12.50	-12.00	-22.28	0.28	-0.06	-11.08
2026	2	178	474	2,025.57	24.64	-24.11	-23.74	0.14	0.08	-4.47
2501	1	210	475	2,500.43	35.69	-35.12	-25.70	0.20	-0.13	6.69
2977	1	177	476	2,976.37	42.62	-42.00	-27.80	0.13	-0.08	-6.81
3452	0	224	475	3,451.36	46.13	-45.50	-28.23	0.12	-0.11	9.77
3927	1	191	475	3,926.34	50.01	-49.36	-29.42	0.13	0.13	-6.86
4117	1	47	190	4,116.33	50.63	-49.98	-28.95	0.70	-0.11	-75.63
4148	0	135	31	4,147.33	50.51	-49.87	-28.83	1.94	-1.94	281.94
4180	1	184	32	4,179.33	50.79	-50.15	-28.84	3.12	3.13	153.44
4211	4	182	31	4,210.30	52.14	-51.50	-28.90	9.68	9.68	-6.13
4243	7	179	32	4,242.14	55.26	-54.62	-28.89	10.04	10.00	-9.38
4275	10	180	32	4,273.78	60.02	-59.38	-28.85	8.46	8.44	4.06
4306	12	181	31	4,304.22	65.91	-65.27	-28.88	6.78	6.77	1.29
4338	14	180	32	4,335.41	73.02	-72.39	-28.93	5.31	5.31	-0.62
4369	16	181	31	4,365.39	80.91	-80.28	-29.00	6.78	6.77	0.97
4401	18	181	32	4,396.00	90.24	-89.60	-29.12	7.19	7.19	0.94
4432	20	182	31	4,425.26	100.46	-99.82	-29.34	7.45	7.42	1.94
4464	22	181	32	4,455.06	112.14	-111.49	-29.63	6.25	6.25	-0.31
4496	25	182	32	4,484.38	124.94	-124.30	-30.05	7.58	7.50	2.81
4528	27	183	32	4,513.19	138.87	-138.21	-30.69	6.30	6.25	1.87
4559	28	183	31	4,540.67	153.20	-152.53	-31.45	4.86	4.84	0.97
4591	30	182	32	4,568.59	168.83	-168.14	-32.21	6.06	5.94	-2.50
4622	32	181	31	4,595.09	184.91	-184.21	-32.74	6.98	6.77	-3.23
4654	34	179	32	4,621.83	202.47	-201.78	-32.79	7.48	6.25	-7.50
4686	36	176	32	4,648.03	220.80	-220.14	-32.01	6.87	4.69	-8.75
4717	37	174	31	4,673.02	239.05	-238.42	-30.46	5.15	3.23	-6.77
4749	38	173	32	4,698.51	258.21	-257.64	-28.25	3.50	2.50	-4.06
4781	38	173	32	4,723.76	277.65	-277.14	-25.75	1.91	1.88	-0.63
4812	39	173	31	4,748.03	296.71	-296.26	-23.32	1.72	1.61	0.97
4844	40	173	32	4,772.85	316.71	-316.32	-20.89	2.92	2.81	1.25
4876	42	174	32	4,797.07	337.43	-337.09	-18.56	7.60	7.50	1.87
4908	45	175	32	4,820.26	359.31	-359.03	-16.42	9.92	9.69	3.13
4939	48	176	31	4,841.62	381.66	-381.43	-14.64	9.08	8.71	3.55
4971	51	177	32	4,862.44	405.86	-405.67	-13.08	10.10	10.00	1.87
5003	54	178	32	4,882.01	431.11	-430.95	-11.80	8.49	8.13	3.13
5034	54	178	31	4,900.27	456.11	-455.98	-10.77	1.95	1.94	0.32
5066	54	178	32	4,919.02	482.00	-481.90	-9.78	0.60	-0.31	0.63
5098	53	177	32	4,938.03	507.68	-507.62	-8.70	3.75	-3.44	-1.87
5129	52	176	31	4,956.86	532.23	-532.20	-7.28	4.01	-2.58	-3.87
5161	52	176	32	4,976.62	557.29	-557.30	-5.51	2.31	-2.19	-0.94
5193	52	176	32	4,996.39	582.34	-582.41	-3.77	2.51	2.19	1.56
5224	55	177	31	5,014.89	607.14	-607.24	-2.39	7.86	7.42	3.23
5256	59	178	32	5,032.51	633.79	-633.92	-1.25	13.19	13.13	1.56
5287	63	179	31	5,047.67	660.78	-660.94	-0.48	13.27	12.90	3.55
5319	66	179	32	5,061.52	689.60	-689.78	0.13	10.33	10.31	-0.63
5351	69	180	32	5,073.66	719.18	-719.38	0.54	11.01	10.63	3.13
5382	73	180	31	5,083.68	748.50	-748.71	0.54	11.44	11.29	1.94
5414	75	181	32	5,092.42	779.28	-779.49	0.24	7.96	7.81	1.56
5446	79	181	32	5,099.64	810.45	-810.65	-0.22	9.69	9.69	0.31
5466	81	181	20	5,103.25	830.12	-830.32	-0.46	11.17	11.00	-2.00
5637	92	181	171	5,114.72	1,000.46	-1,000.67	-2.10	6.37	6.37	0.06
5732	92	180	95	5,111.73	1,095.41	-1,095.62	-2.84	0.53	0.42	-0.32
5827	90	180	95	5,109.91	1,190.37	-1,190.60	-3.42	1.90	-1.89	0.11
5922	90	181	95	5,109.58	1,285.37	-1,285.59	-4.75	0.84	0.00	0.84
6017	90	181	95	5,109.41	1,380.37	-1,380.57	-6.49	0.38	-0.21	-0.32
6112	90	180	95	5,109.50	1,475.36	-1,475.57	-7.32	0.85	-0.11	-0.84

DIRECTIONAL SURVEY CALCULATION

MINIMUM CURVATURE METHOD

Well Name	Target Direction	Slot Coordinate	N / S	E / W	Hole Size	Calculation by	Date
Murphy 1-7H	181.30						6/28/12
Job Number	Type of Survey	Tie-in Point				Directional Co.	
0							

Meaured Depth	Hole Angle	Hole Direction	Course Length	True Vertical Depth	Vertical Section	Total Coordinate N + / S -	Total Coordinate E + / W -	Dogleg Severity	Build Up °/100 ft	Walk/ °/100 ft
0	0	0	0	0.00	0.00			<< TIE-IN POINT >>		
6207	90	181	95	5,109.83	1,570.35	-1,570.56	-8.56	1.38	-0.21	1.37
6302	90	182	95	5,110.16	1,665.35	-1,665.52	-11.30	0.57	0.21	0.53
6397	89	181	95	5,110.74	1,760.34	-1,760.48	-13.95	0.82	-0.53	-0.63
6492	90	182	95	5,111.57	1,855.33	-1,855.42	-16.94	1.07	0.21	1.05
6587	90	183	95	5,111.82	1,950.31	-1,950.33	-21.08	0.67	0.53	0.42
6682	90	183	95	5,111.65	2,045.29	-2,045.24	-25.39	0.21	0.00	-0.21
6777	90	182	95	5,111.82	2,140.27	-2,140.16	-29.20	0.60	-0.42	-0.42
6872	90	182	95	5,112.23	2,235.27	-2,235.11	-32.27	0.54	0.11	-0.53
6967	90	182	95	5,112.56	2,330.26	-2,330.07	-34.92	0.00	0.00	0.00
7062	90	182	95	5,112.65	2,425.26	-2,425.03	-37.74	0.38	0.32	0.21
7157	91	183	95	5,112.07	2,520.24	-2,519.94	-41.80	1.47	0.53	1.37
7252	91	182	95	5,111.15	2,615.20	-2,614.82	-46.36	0.74	-0.11	-0.74
7347	91	182	95	5,110.24	2,710.18	-2,709.74	-50.34	0.11	0.11	0.00
7442	91	182	95	5,109.08	2,805.16	-2,804.64	-54.31	0.21	0.21	0.00
7537	90	183	95	5,108.50	2,900.13	-2,899.55	-58.46	0.97	-0.95	0.21
7632	89	182	95	5,109.08	2,995.11	-2,994.46	-62.52	0.61	-0.53	-0.32
7727	89	182	95	5,110.49	3,090.09	-3,089.39	-65.92	0.74	-0.53	-0.53
7822	89	182	95	5,112.56	3,185.07	-3,184.32	-68.82	0.33	-0.32	-0.11
7917	89	182	95	5,114.55	3,280.04	-3,279.26	-71.63	0.42	0.42	0.00
8012	89	181	95	5,116.21	3,375.03	-3,374.22	-73.79	0.84	0.00	-0.84
8107	90	181	95	5,117.29	3,470.02	-3,469.20	-75.28	0.74	0.74	0.00
8202	90	181	95	5,117.79	3,565.02	-3,564.18	-77.19	0.53	0.00	0.53
8297	89	182	95	5,118.61	3,660.01	-3,659.14	-79.76	0.53	-0.42	0.32
8392	90	182	95	5,119.61	3,755.00	-3,754.10	-82.49	0.24	0.21	-0.11
8487	90	181	95	5,120.44	3,850.00	-3,849.06	-84.98	0.21	0.00	-0.21
8582	87	182	95	5,123.01	3,944.96	-3,943.99	-87.55	2.23	-2.21	0.32
8607	87	182	25	5,124.14	3,969.93	-3,968.95	-88.27	0.40	0.00	-0.40
8702	90	182	95	5,126.13	4,064.90	-4,063.87	-91.25	2.98	2.95	0.42
8797	89	181	95	5,126.63	4,159.89	-4,158.83	-93.99	1.28	-1.05	-0.74
8892	89	181	95	5,128.37	4,254.87	-4,253.80	-95.48	0.99	-0.53	-0.84
8987	89	182	95	5,129.94	4,349.86	-4,348.76	-97.72	1.94	0.74	1.79
9082	91	182	95	5,129.45	4,444.84	-4,443.69	-101.11	1.92	1.89	-0.32
9177	91	181	95	5,127.87	4,539.83	-4,538.64	-103.85	0.74	-0.53	-0.53
9272	91	181	95	5,126.79	4,634.82	-4,633.61	-106.09	0.15	-0.11	-0.11
9365	90	181	93	5,126.23	4,727.82	-4,726.58	-108.12	0.55	-0.54	-0.11
9415	90	181	50	5,126.14	4,777.82	-4,776.57	-109.16	0.00	0.00	0.00
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			
0	0	0		5,126.14	4,777.82	-4,776.57	-109.16			



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Murphy 1-7H
Comanche County, Kansas
T&R: 31S 19W
Section: 7, 1732' FEL & 390' FSL
Long/Lat: -99.424323 37.353596

1 in = 833 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk

Draft Date: 7/5/2012

Drawing Name/Number: Addendum_Murphy_1-7H.mxd

Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502

Logo

Back to Well Completion

Murphy 1-7H (1076338)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

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

Add Attachment

Remarks

Remarks to KCC	

Add Remark

Remarks

Tiffany Golay 07/12/012 01:40 pm	Addtl Fluid Mgmt Info: 830 bbls hauled to LOJO Disposal in Woods County, OK 10-26N-15W and 320 bbls hauled to Gray Mud Disposal in Garfield County, OK 5-24S-7W
Tiffany Golay 06/27/012 11:37 am	16 yards of grout were used to set conductor. Conductor weight= 106.5 lbs/ft