



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1204200
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: _____

1204200

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

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

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

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

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Mary Ann 7-1
Doc ID	1204200

All Electric Logs Run

Dual Induction
Dual Compensated
Microresistivity
Borehole Compensated



WESLEY D. HANSEN Consulting Petroleum Geologist

212 N. Market, Suite 257, Wichita, KS 67202
Office: 316-267-7313 Cellular ; 316-772-6188

**KGS
AAPG
Kansas License #418**



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: Murfin Drilling Co., Inc. #7-1 Mary Ann
Location: 1470' FNL, 1520' FWL of Section 1-1S-36W
License Number: API: 15-153-20980 **Region:** Rawlins County, KS
Spud Date: 1-24-2014 **Drilling Completed:** 1-27-2014
Surface Coordinates: 1470' FNL, 1520' FWL of Section 1-1S-36W

Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 3139' **K.B. Elevation (ft):** 3150'
Logged Interval (ft): 3460' **To:** RTD **Total Depth (ft):** 4520'
Formation: Marmaton at RTD
Type of Drilling Fluid: Chemical - Displaced at 3255'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Murfin Drilling Co., Inc.
Address: 250 N. Water
Suite 300
Wichita, KS 67202

GEOLOGIST

Name: Wesley D. Hansen
Company: Wesley D. Hansen - Consulting Petroleum Geologist
Address: 212 N. Market, Suite 257
Wichita, KS 67202
Office: 316-263-7313 **Cellular:** 316-772-6188

COMMENTS

Contractor: Murfin Drilling Co., Inc. Rig #2
 Pusher: Arturo Cabezas

Surface Casing: 8 5/8" set at 224' w/225 sx
 Production Casing: 5 1/2" set at 4515' w/450 sx

Mud by: Morgan Mud - Cade Lines was the engineer

DST's by: No DST's

Logs by: Pioneer Wireline (DIL, CN-CD, MEL, BHCS)

Deviation Surveys: 1/4 deg. @ 224'; 1/4 deg. @ 4520'






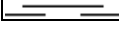



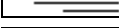










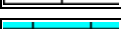

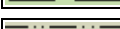
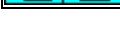



BIT RECORD

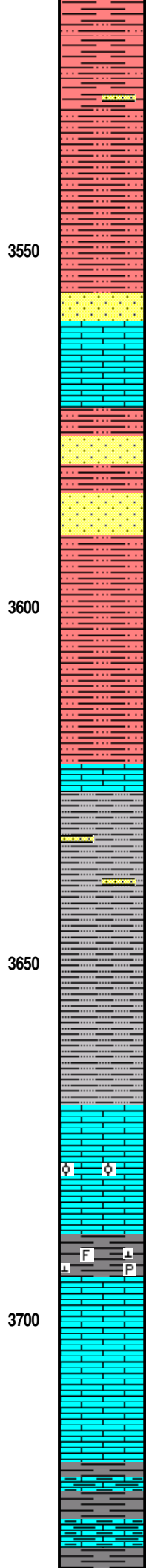
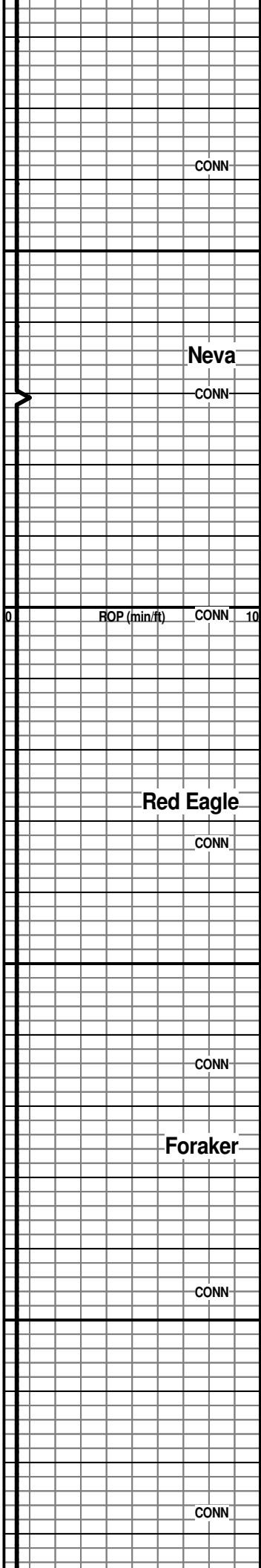
Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on bit
1	12 1/4"	HTC	FDS	224'	224'	1 1/2
2	7 7/8"	HTC	DP 506F	4520'	4296'	35 1/4

FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	SAMPLE TOPS		LOG TOPS		COMPARISON WELL MDC #5-1 Mary Ann 900'FNL, 1075' FWL Section 1-1S-36W 3177' KB
	Depth	Datum	Depth	Datum	
Anhydrite	3081'	+69	3081'	+69	+1
B/Anhydrite	3115'	+35	3115'	+35	+2
Neva			3561'	-411	+1
Red Eagle			3623'	-473	+2
Foraker			3670'	-520	flat
Topeka			3884'	-734	+2
Oread			3998'	-848	-2
Lansing			4100'	-950	+1
Stark Shale			4316'	-1166	+1
BKC			4374'	-1224	+1
RTD	4520'	-1370			
LTD			4521'	-1371	

ROCK TYPES

 Anhy	 Salt	 Dol	 Shlyslts
 Cht	 Shale	 Dtd	 SltysH
 Coal	 Shcol	 Gry sh	 Sdy dolo
 Congl	 Shgy	 Sandylms	 Silty dolo
 Gyp	 Sltst	 redshale	 Shy dolo
 Ls colorless	 Ss	 Shale	 Shaly ls
 Lmst	 Carb sh	 Sltstn	



Sh: very predom. red-brn, silty; occ lt gray vvfq Sst, N.S.

CONN

3550

Neva

Ls: scatt. tan cryptoxln; sl influx lt gray quartzitic Sst, N.S.

CONN

Sh: lt to med red, silty with red Siltst; lesser offwhite, lt gray siltst and lt gray vvfq sl micac. Sst

Poor samples

3600

ROP (min/ft) CONN 10

Sh: lt to med red, silty

Red Eagle

Ls: only scatt. offwhite mic-fnxln, N.S.

CONN

3650

60' spl - flood offwhite, lt gray shaly siltst and silty shale; scatt. lt gray vvfq silty Sst with pp black dead stain, nfo, no odor

Poor samples

CONN

Foraker

Ls: tan, offwhite, lt gray mic-vfxln with some pp por.; some tan vf-cryptoxln, NVP; scatt. offwhite granular, sl oolitic with inter-particle por. with brn residual oil, no odor; Sh: lt to med gray, calcar. and foss.

CONN

3700

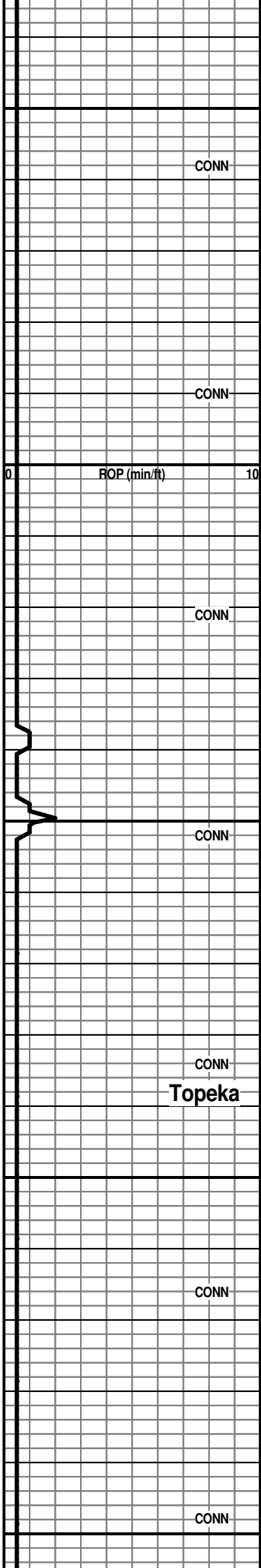
Ls: predom. offwhite, lt gray mic-vfxln dense; rare chips with spotty stain AA; some gray shale and occ pyrite

Poor samples

Ls: various dense AA

CONN

Sh: lt to med gray calcar. and shaly gray dense Ls



3750

CONN

80' spl - Ls/Sh mix AA with sl influx tan, lt gray granular Ls with patchy brn stain, nfo, no odor; incr. % of Sh: lt gray, some pyritic; sl influx red-brn

Sh: flood red, red-brn, some soft and gummy

predom. red shale; scatt. tan, offwhite vf-cryptoxln Ls

CONN

Ls: scatt. offwhite micxln to fn granular, N.S.; predom. Sh: red silty; scatt. lt gray, gray-green

3800

ROP (min/ft) 10

Sh: predom. red-brn and lesser gray, silty; Ls: sl incr. % tan, lt gray sl granular, trace with black speckled stain, poor por.

CONN

Sh: various silty AA; Ls: lt gray, tan granular, sl foss.; some red-brn cryptoxln

F

3850

CONN

Ls: lt gray vfxln and tan, gray cryptoxln

Sh: mix AA with sl influx dark gray to black subfissile

Sh: mix lt to med red, silty; lesser gray

CONN

Topeka

Ls: mix offwhite, lt gray vfxln; scatt. red-brn, tan, lt gray cryptoxln, NVP, N.S.

Ls: incr. % - more tan, lt gray, lt brn cryptoxln, NVP and offwhite, lt gray mic-vfxln dense; some white subchalky; 1-2 chips offwhite sl granular with black gilsonite flecks

3900

CONN

Ls: various granular to cryptoxln AA; some mottled lt red and yellow

Sh: med to dark red-brn and red silty

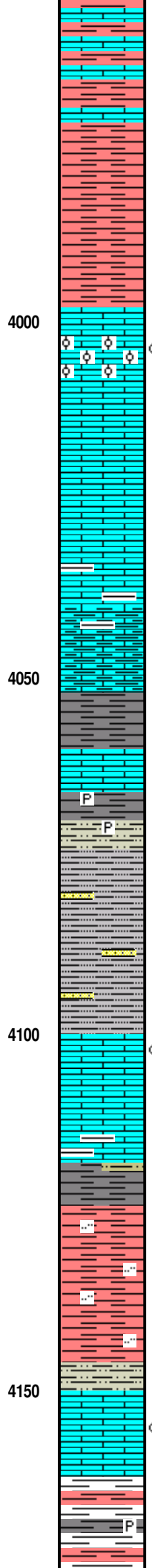
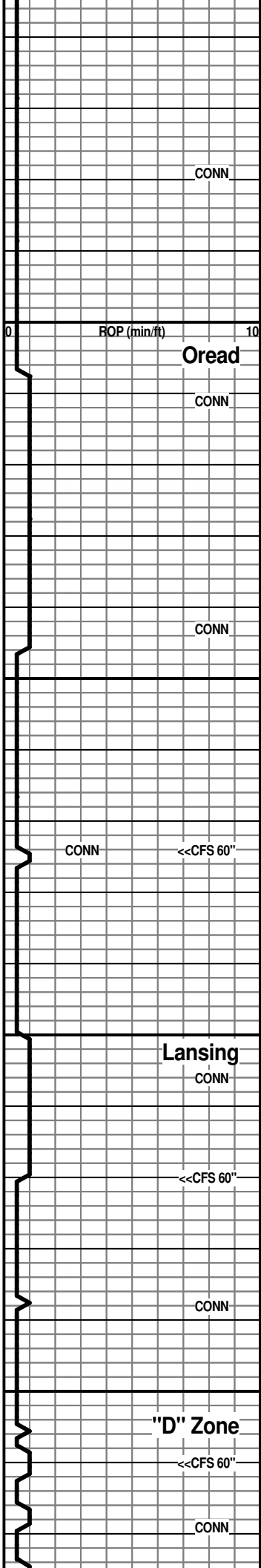
CONN

3950

4000' spl - flood Sh: red-maroon, maroon; much decreased Ls %; trace tan oolitic with inter-oolitic por. with dark brn to black pp stain, trace fo, no odor

Poor samples

Poor samples



20' spl - very predom. shales AA with very scatt. Ls with shows of oily film; occ white chalky Ls

CONN

ROP (min/ft)

Oread

CONN

4000

40' spl - Ls: strong influx offwhite, lt gray, tan vf-cryptoxln, NVP, N.S.; several chips offwhite, lt gray, tan granular to oolitic IP with pp dark brn to black stain, sfo, oily film, no odor

Fair samples

Ls: offwhite, lt gray, tan vf-cryptoxln and offwhite mic-vfxln dense, subchalky, N.S.; scatt. sloughing shows from above

4074' spl - Ls: predom. various dense AA, N.S.; scatt. oolitic/granular with inter-particle por. and some vug. por. with dark brn to black tarry stain; new??

CONN

4050

CFS 4074' 30" spl - flood lt to med gray dense shaly Ls and calcar. shale

Sh: dark gray

Ls: offwhite, lt gray mic-vfxln dense

P

Sh: gray, pyritic with some offwhite, lt gray Siltst; scatt. pyrite

CONN

<<CFS 60"

Siltst: offwhite, lt gray calcar., vf sandy IP with med to dark gray shales; some lt gray vf-fg Sst, N.S.

wiper trip at 4074'
CTCH 30" after wiper trip
Morgan Mud Check at 4074'
1:30 PM on 1-26-2014
wt vis wl pH chl
9.2 47 7.2 10.0 1200
PV YP GelS lcm solids
16 15 7/25 6# 6.4%

4100

CFS 4120' 30" spl - Ls: influx offwhite, tan mic-vfxln with patchy stain, sfo in pp and small vug. por., no odor

Lansing

CONN

CFS 4120' 60" spl - Ls: mix AA common shows; spls are very shaly with med to dark gray, red-brn shales; scatt. siltst and fg sst

<<CFS 60"

Sh: med to dark gray with strong influx of red-brn, silty IP

CONN

4150

Sh: predom. red-brn AA with lesser lt gray Siltst

Samples are poor

"D" Zone

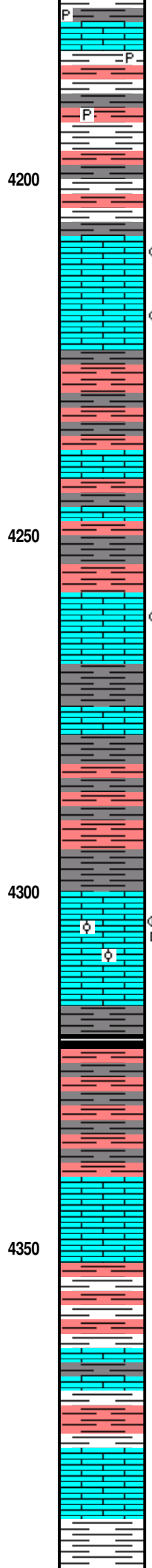
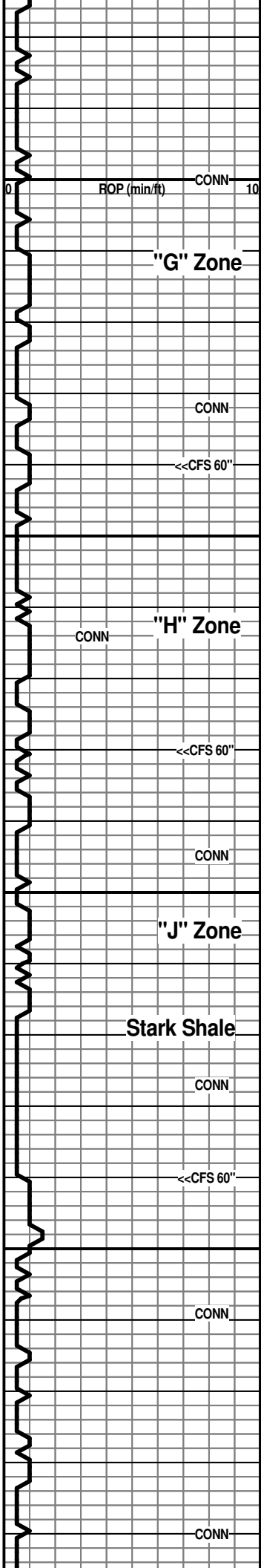
<<CFS 60"

Ls: lt brn, lt gray cryptoxln, some with vug. por. with stain, vsi sfo, no odor, stylitic IP; tan, offwhite vf-cryptoxln with some pp por. and scatt. vug. por. with shows of stain, fo, no odor

CONN

Sh: red-brn and gray, common pyrite

P



Sh: mix AA with some tan, offwhite vf-cryptoxln Ls

4200

"G" Zone

40' spl - influx Ls: common lt to med brn, lt gray cryptoxln, NVP, N.S.; several chips tan, lt gray, lt brn vf-cryptoxln with some pp and scatt. vug. por. with brn to black stain, vsl sfo, no odor

CFS 4240' 30" spl - Ls: incr. % of various lt gray, lt to med brn cryptoxln, NVP, N.S.; 2-3 chips tan, more granular with inter-particle and vug. por. with sfo, sat. stain, no odor

CONN

CFS 4240' 60" spl - Sh: abund. lt to med gray and red-brn; Ls: mix AA with new dark brn cryptoxln

Poor samples

<<CFS 60"

4250

"H" Zone

Ls: sl influx offwhite mic-vfxln dense with spotty stain, nfo, no odor; some tan more granular with scatt. tarry stain

Sh: influx dark gray

Ls: med brn, red-brn cryptoxln

CONN

<<CFS 60"

Sh: vc gray, red-brn, red

Poor samples

CONN

4300

"J" Zone

Ls: offwhite vf-cryptoxln, occ fn granular, sl oolitic with inter-particle and vug. por. with stain, some listless oil, no odor

Sh: dark gray, trace black

Sh: lt to med red, lt to med gray, soft red

Stark Shale

CONN

<<CFS 60"

Ls: offwhite, tan, lt gray mic-vfxln dense; lt gray vf-cryptoxln, N.S.

4350

CONN

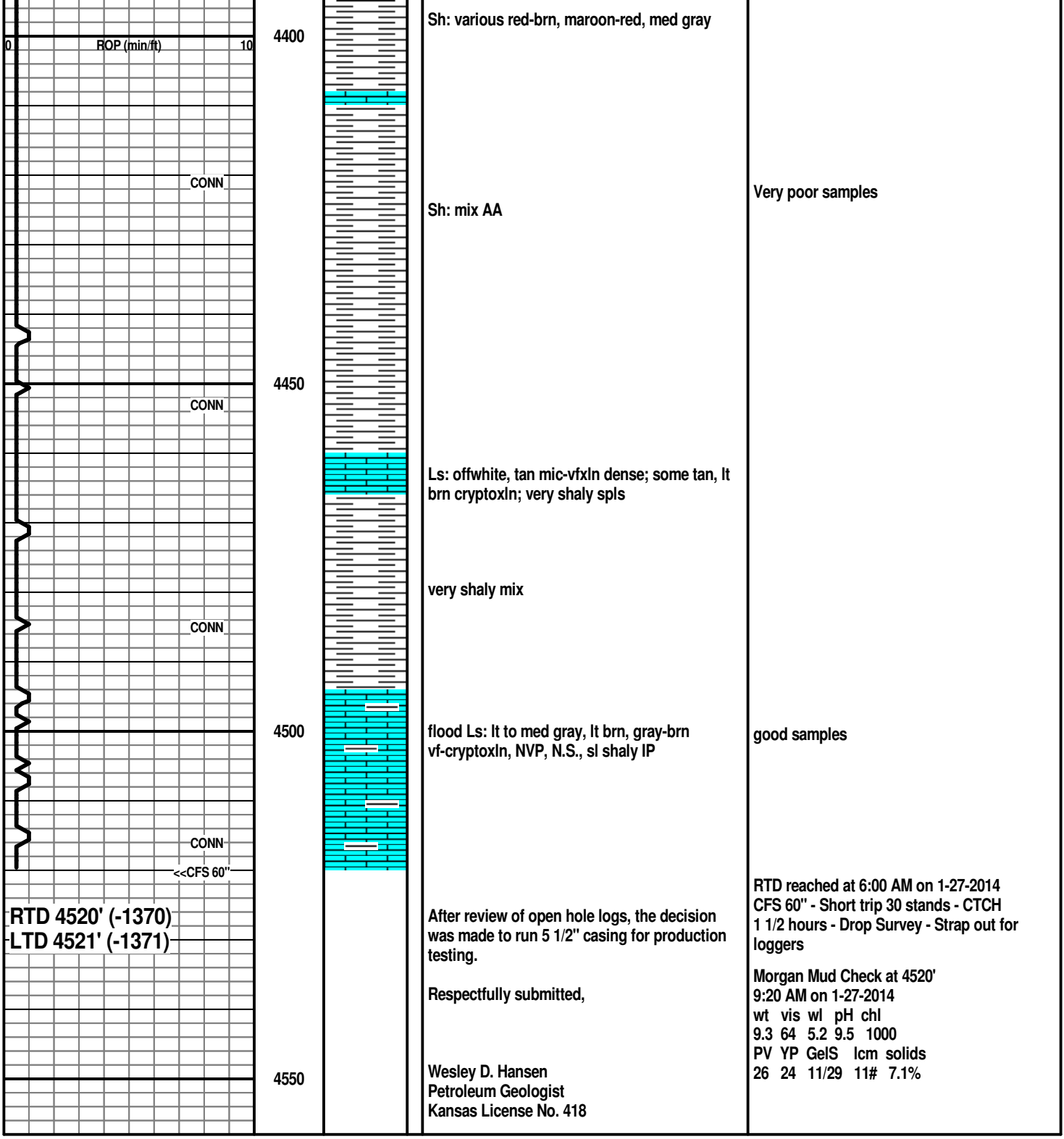
Sh: various gray, red-brn

Very poor samples

Ls: tan, lt gray vf-cryptoxln with interbedded gray and red-brn shales

Ls: offwhite, tan, lt gray mic-vfxln dense; some offwhite, tan cryptoxln

CONN



Mary Ann #7-1

Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #2

West Cahoj Prospect #3332
1470' FNL 1520' FWL
Sec. 1-1S-36W
Rawlins County, Kansas

Contact Person: Scott Robinson
Phone number: 316-267-3241
Well site Geologist: Wes Hansen

Call Depth: 3150'
Spud: 1/24/14 @ 3:30PM
Complete: 1/29/14

API # 15-153-20980-00-00
Casing: 8 5/8" @ 224'
5 1/2" @ 4515'

RTD: 4520'

Elevation: 3139' GL
3150' KB

DAILY INFORMATION:

NOTE: 1' fill when building location. NEW GL 3139'... KB 3150'

- 1/23/14 Off. Move 1/24
- 1/24/14 MIRT
- 1/25/14 Depth 422'. Cut 422'. DT: 8hrs WOC. CT: None. Dev.: 1/4" @ 224'. Spud @ 3:30PM 1/24. Ran 5jts=210' of 23# 8 5/8" surf csg, set @ 224'. Allied cmt w/225sxs of Comm 3%CC. PD @ 9:00PM 1/24. DO @ 5:00AM (25'cmt). Circ 6BBLs.
- 1/26/14 Depth 3474'. Cut 3052'. DT: 1 hr Displace. CT: None. Dev.: None.
- 1/27/14 Depth 4520'. Cut 1046'. DT: None. CT: 12 hrs. Dev.: None. HC @ 6:00AM 1/27. W trip @ 4074' – 56 stand
- 1/28/14 RTD: 4520'. CT: 2 3/4 hrs. Pioneer logged 1:00PM – 4:45PM 1/27. LTD 4522'. Ran 107jts of 5 1/2" prod csg, set @ 4515'. Swift cmt w/450sxs (250SMD, 200EA-2), PD @ 5:45AM 1/28. 30sxs RH, 20sxs MH. RR @ 9:45AM.

MDCI Mary Ann #7-1 1470' FNL 1520' FWL Sec. 1-T1S-R36W 3150' KB							MDCI Mary Ann #5-1 900' FNL 1075' FWL Sec. 1-T1S-R36W 3177' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3081	+69	+1	3081	+69	+1	3109	+68
B/Anhydrite	3115	+35	+2	3115	+35	+2	3144	+33
Neva				3561	-411	+1	3589	-412
Red Eagle				3623	-473	+2	3652	-475
Foraker				3671	-521	-1	3697	-520
Topeka				3884	-734	+2	3913	-736
Oread				3997	-847	-1	4023	-846
Lansing				4100	-950	+1	4128	-951
Stark				4315	-1165	+2	4344	-1167
BKC				4367	-1217	+4	4402	-1225
RTD	4520	-1370					4510	-1333
LTD				4522	-1372		4514	-1364



*acct
Prod-L*

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 141024

Invoice Date: Jan 24, 2014

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Bill To:
Murfin Drig. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Customer ID	Field Ticket #	Payment Terms	
Murfin	62483	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 24, 2014	2/23/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Mary Ann #7-1		
225.00	CEMENT MATERIALS	Class A Common	17.90	4,027.50
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
236.25	CEMENT SERVICE	Cubic Feet Charge	2.48	585.90
871.20	CEMENT SERVICE	Ton Mileage Charge	2.60	2,265.12
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
80.00	CEMENT SERVICE	Pump Truck Mileage	7.70	616.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
80.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	352.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

92

Subtotal	10,145.77
Sales Tax	358.62
Total Invoice Amount	10,504.39
Payment/Credit Applied	
TOTAL	10,504.39

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3,551.01

ONLY IF PAID ON OR BEFORE
Feb 18, 2014



P. O.
Ness City
Off: 78!

Acidizing
cc: WF
cc: LK
cc: L-1

Invoice

DATE	INVOICE #
1/28/2014	25281

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661
USED FOR <u>IC 103</u>
APPROVED <u>JR</u>

- Acidizing
- Cement
- Tool Rental

FA R

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#7-1	Mary Ann	Rawlins		Oil	Development	5-1/2" Top To B...	Josh
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				150	Miles	6.00	900.00
579D	Pump Charge - Top To Bottom LongString				1	Job	2,000.00	2,000.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
403-5	5 1/2" Cement Basket				3	Each	300.00	900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
413-5	5 1/2" Roto Wall Scratcher				10	Each	40.00	400.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.50	2,900.00T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	18.50	5,550.00T
276	Flocele				125	Lb(s)	2.50	312.50T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				150	Lb(s)	4.50	675.00T
581D	Service Charge Cement				500	Sacks	2.00	1,000.00
583D	Drayage				3,814.5	Ton Miles	1.00	3,814.50
	Subtotal							22,102.00
	Sales Tax Rawlins County						7.90%	1,136.61

<p>Thank You For Your Business In 2013! We Look Forward To Serving You In 2014!</p>	<p>Total \$23,238.61</p>
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CHARGE TO: Murphy Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 25281

PAGE 1 OF 2

SERVICE LOCATIONS

1. Hughes WELLPROJECT NO. 7-1 LEASE Mary Ann COUNTY/PARISH Acadian STATE LA CITY LA DATE 1-28-14 OWNER

2. Ness City TICKET TYPE CONTRACTOR RIG NAME NO. 5 1/2 Top rotation Longstring SHIPPED VIA ET DELIVERED TO Sec 11 ORDER NO. Sec 1, trap 15, R36w

3. WELLPURPOSE Development WELLCATEGORY Development JOB PURPOSE 5 1/2 Top rotation Longstring WELLPERMIT NO.

4. REFERRAL LOCATION U-1 INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE \$412	1	USD			6.00	900.00
579		1			Pump Charge Top on Bottom	1	ea			2000.00	2000.00
221		1			Loguid KLL	4	gal			25.00	100.00
281		1			Mud Flush	510	gal			1.25	625.00
290		1			D-Anr	5	gal			42.00	210.00
403		1			Cement Basket	3	ea		5 1/2"	300.00	900.00
406		1			Latch Down Plug + Backfill	1	ea			275.00	275.00
407		1			Insert Float Shoe w/Air Fill	1	ea			375.00	375.00
409		1			Turbolites	15	ea			90.00	1350.00
413		1			Note wall Scratchers	10	ea			40.00	400.00
419		1			Rotating Head Rental	1	ea			200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Steve Robinson DATE SIGNED 1-28-14 TIME SIGNED 8:00 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input type="checkbox"/>				02	14767.00
WE UNDERSTOOD AND MET YOUR NEEDS?	<input type="checkbox"/>					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input type="checkbox"/>					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?	<input type="checkbox"/>					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/>					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						
TOTAL					02	23,238.01

SWIFT OPERATOR [Signature] APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1-28-14 PAGE NO.

CUSTOMER Murphy WELL NO. 7-1 LEASE Mary Ann JOB TYPE 5 1/2 Top to Bottom TICKET NO. 25281

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							On location 5 1/2 x 15.5" TD 4520 SS 21.58 TP 4515 Inset 4494 Centralizers 1-10, 12, 14, 16, 34, 59 Baskets 17, 35, 60
	0930							Start Pipe Break circulation 5t, #60 Finish Running Pipe
	0900							Prop Ball Circulate Rotate
	0415	5	12		✓		300	Start Mud Flush
		5	20		✓		300	Start KLL Flush
		5	138		✓		300	Start SMD 250 sks @ 11.2#/gal
		5	48		✓		200	Start EA2 200 sks
	0520							Drop Plug Wash out Pump + Lines
	0523	6	20		✓		200	Start Displacement 20 bbl w/ 2% KLL
		6			✓		200	Finish w/H ₂ O
		6	93		✓		1000	Circulate Cement 25 sks to pit
	0545	5	106.9		✓		1300 1300	Land Plug
	0546							Release Dry
	0550							Plug RT 30 sks MT 20 sks wash up Rack up Job Complete Thank You Josh, Brian, Bob, John