

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 30606
Name: Murfin Drilling Co., Inc.
Address 250 N. Water, Suite 300
City/State/Zip Wichita, KS 67202

Purchaser: _____
Operator Contact Person: Larry M. Jack
Phone (316) 267 - 3241

Contractor: Name: Murfin Drilling Co., Inc.
License: 30606

Wellsite Geologist: Paul Gunz

Designate Type of completion
 New Well Re-Entry
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
9/10/99 9/15/99 12/15/99
Spud Date Date Reached TD Completion Date

API NO. 15- 147-20589 -00-00

County Phillips

-C -W2 Sec. 23 Twp. 5S Rge 20W X W E

2840 Feet from S/N (circle one) Line of Section

3760 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name HANSEN C Well # 14W

Field Name Hansen

Producing Formation LKC

Elevation: Ground 2158 KB 2163

Total Depth 3603 PBTB 3554

Amount of Surface Pipe Set and Cemented at 288 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1646' Feet

If Alternate II completion, cement circulated from 1646
feet depth to surface w/ 190 sx cmt.

Drilling Fluid Management Plan Att 2, 3-6-00 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume 2500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

RECEIVED
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas
FEB - 9 2000
02-09-2000

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature Larry M. Jack
Title Larry M. Jack, Production Manager Date 2/8/00
Subscribed and sworn to before me this 8 day of February
2000
Notary Public Barbara J. Dodson
Barbara J. Dodson
Date Commission Expires 12/16/03

2/9/00 SA K.C.C. OFFICE USE ONLY
F Deny Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

BARBARA J. DODSON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12-16-03

X

Operator name Murfin Drilling Co., Inc.

Lease Name HANSEN C Well # 14W

Sec. 23 Twp. 5 S Rge. 20

East
 West

County Phillips

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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
(Submit Copy.)

List all E.Log
Dual Induction log, Dual Compensated Porosity log
Borehole Compensated Sonic Log

Log Formation (Top), Depth and Datums Sample
Name Top Datum

CASING RECORD <u>New</u> <u>Used</u> 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
Surface	12 1/4"	8 5/8"	24#	288'	60/40 Poz	180	3% cc, 2% gel
Production	7 7/8"	5 1/2"	15.5#	3596	PC& MIDCON	370	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Csg <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top/Btm	Type of Cement	# Sacks Used	Type and Percent Additives

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
4	3280-84, 3297-3302, 3314-18, 3321-24, 3336-40,	TREAT ALL LKC ZONES 3412-3280 W/2600	
	3408-12 LKC	GAL 15% NE ACID 750 GALS. 15% MCA	
	3504-14 ARBUCKLE		

TUBING RECORD Size 2 7/8 Set At 3514 Packer At _____ Liner Yes No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other SWAB TEST

Estimated Production Per 24 Hours	Oil 40	Bbls	Gas	Mcf	Water 100	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

AS ABOVE

HANSEN C #14W

Operator: MURFIN DRILLING COMPANY, INC.
 Contractor: MURFIN DRILLING COMPANY, INC. Rig #8

Contact Person: Scott Robinson
 Phone Number: 316-267-3241
 Well Site Geologist: Paul Gunzelman

200' NE of C W/2
 Sec. 23-5S-20W
 Phillips County, Kansas

Call Depth: 2200'
 Spud: 11:45 p.m. 9/9/99
 Est. TD: 3600'

API# 15-147-20589 - 00 - 00
 Casing: 8 5/8" @ 288'
 Elevation: 2158' GL
 2163' KB

DAILY INFORMAIION:

9/9/99 MIRT.

9/10/99 Depth 288'. Cut 288'. DT: o. CT: 9. Dev.: 1/4° @ 288'. Set 7 jts. = 280.31' of 8 5/8" surf. csg. @ 288', cmt w/180 sx. 60/40 poz, 3% cc, 2% gel, plug down @ 7:00 a.m. 9/10. Circ by Allied.

9/11/99 Drilling @ 1735'. Cut 1447'. DT: 8 hrs. (WOC), 1 hr. (swivel). CT: 0. Dev: none.

9/12/99 Drilling @ 2590'. Cut 855'. DT: 0. CT: 0. Dev.: 1/2° @ 2077'.

9/13/99 Drilling @ 3230'. Cut 640'. DT: 0. CT: 0. Dev.: none.

9/14/99 Drilling @ 3603'. Cut 373'. DT: 0. CT: 7 3/4 hrs. Dev.: 1/2° @ 3603'. HC @ 11:15 p.m. 9/13. Log hit bridge @ 1110'. Getting ready to try & log again @ report time.

9/15/99 RTD 3603'. Cut 0. DT: 0. CT: 14 hrs. Dev.: none. Log: 7:30-10:30 a.m. 9/14, by Log Tech. Try to log, stopped @ 1140'. TIH w/bit to 1700'. TOH, try to log again. Log stopped @ 1140'. WOO. Run pipe without log. Set 5 1/2" prod. csg. @ 3602'. Cmt. W/190 sx. EA2, plug down @ 8:30 p.m. 9/14, by Swift. Port collar @ 1646'. Rig released @ 9:00 p.m. 9/14/99.

Formation	STATE CORPORATION COMMISSION	Sample Tops	Hansen 12W 2190' FNL 2170' FWL
Anhydrite	RECEIVED	1630 +533	+17
B/Anhydrite	FEB - 9 2000	1661 +502	+11
Neva	CONSERVATION DIVISION	2532 -369	+6
Foraker	Wichita, Kansas	2640 -477	+6
Topeka		3008 -845	+9
Heebner		3203 -1040	+12
Toronto		3225 -1062	+12
Lansing		3244 -1081	+11
BKC		3447 -1284	+9
Arbuckle		3503 -1340	+7

SWIFT SERVICES, INC.

PO BOX 466

NESS CITY, 67560-0466

**ORIGINAL
Invoice**

DATE	INVOICE #
9/14/99	1651

BILL TO
Murfin Drilling Co. Inc. PO Box 277 Logan, KS 67646

15-147-20589-00-~~00~~
00

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose
Net 30	14W	Hanson "C"	Phillips		inj	Development	Longstring
PRICE REFERENCE...	DESCRIPTION			QTY	UNIT PRICE	AMOUNT	
575	Milage			50	2.00	100.00T	
578	Pump Charge			1	1,200.00	1,200.00	
400-5	5 1/2" Guide Shoe			1	80.00	80.00T	
401-5	5 1/2" Insert Float with Auto Fill			1	110.00	110.00T	
402-5	5 1/2" Centralizers			10	40.00	400.00T	
403-5	5 1/2" Cement Basket			2	110.00	220.00T	
299	Roto Wall Scratchers			30	30.00	900.00T	
299	Rotating Head			1	100.00	100.00T	
404-5	5 1/2" Port Collar			1	1,300.00	1,300.00T	
410-5	Top Plug			1	50.00	50.00T	
281	Mud Flush			500	0.50	250.00T	
221	Liquid KCL			2	19.00	38.00	
325	Cement			190	6.75	1,282.50T	
284	Calscal			9	20.00	180.00T	
283	Salt			950	0.15	142.50T	
286	Halad-1			45	5.25	236.25T	
290	D-Air			45	2.75	123.75T	
285	CFR-2			89	2.75	244.75T	
581D	Service Charge Cement			190	1.00	190.00	
583	Drayage			497.23	0.75	372.92T	
Discount	STATE CORPORATION COMMISSION 10% Discount					-10.00%	7,520.67
	Subtotal						-752.07
	Sales Tax					4.90%	6,768.60
	TOTAL						268.69
Thank you for your business.						Total	\$7,037.29

CHARGE TO AFE

cement prod. chg

RECEIVED

STATE CORPORATION COMMISSION

FEB 9 2000

CONSERVATION DIVISION
Wichita, Kansas.

[Handwritten signatures and initials]

03601 000 L 3137A 7037.29 *cement prod chg*



CHARGE TO: *Murfin Drly Co*

ADDRESS:

CITY, STATE, ZIP CODE: *Logan KS*

15-147-20589-00 TICKET No. ~~00~~ 1651

PAGE 1 OF 2

SERVICE LOCATIONS: 1. *Missouri Ks*

WELL/PROJECT NO.: *14w* LEASE: *Hanson "C"* COUNTY/PARISH: *Phillips* STATE: *Ks* CITY: DATE: *9-14-99* OWNER: *Same*

TICKET TYPE: SERVICE SALES CONTRACTOR: RIG NAME/NO.: *Murfin* SHIPPED VIA: *104* DELIVERED TO: *S. Logan* ORDER NO.:

WELL TYPE: *inj* WELL CATEGORY: *Development* JOB PURPOSE: *Longstring* WELL PERMIT NO.: WELL LOCATION: *23-55-20w Phillips*

REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575					MILEAGE	50		104		2.00	100	00
578					Pump Charge	1	EA	3601	FT		1200	00
400					Guide Shoe	1	EA	5/8	IN		80	00
401					Insert float valve w/ fill	1	EA				110	00
402					Centralizers	10	EA			40.00	400	00
403					Cement Baskets	2	EA			110.00	220	00
299					Roto Wall Scratchers	30	EA			30.00	900	00
299					Rotating head	1	EA				100	00
404					Post Collar	1	EA				1300	00
410					Top Plug	1	EA				50	00
281					Mud Flush	500	Gal				250	00
					From Continuation sheet						2809	98

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 CONSERVATION DIVISION
 WRENTHAM KATHARS

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 *[Signature]*

DATE SIGNED: TIME SIGNED: 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				7520 00
WE UNDERSTOOD AND MET YOUR NEEDS?				10% Discount
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				BiO Price 6768 00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX 268 268 69
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 7037 29
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

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

SWIFT OPERATOR: *[Signature]* APPROVAL:

Thank You!

15-147-20589-00-22

SWIFT Services, Inc. ORIGINAL

DATE 9-14-99 PAGE NO.

JOB LOG

CUSTOMER *Muffin* WELL NO. *14w* LEASE *Hansen "C"* JOB TYPE *Longstring* TICKET NO. *1651*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	1500							On Location Rig Laying Down D.t Start Csg used 5 1/2 Run Guide Shoe, insert float auto fit 10 Centralizers on Collars 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99
	1840							2 Cement Baskets on Joints 9, 77 Port Collar on top of 57 60 16 1/2"
	1845							30 Roto Wall Scratches placed across Target Zones
	1945							Csg on bottom hook up to circ start Rotate
	1948	5						Start Circ w/ Rig finish Circ hook up to Cement
	2008		46 BBL					200 Start 500 gal Mud flush, 20 BBL KCL water w/ Customer furnished Biocide 190 SKS EA-2 Cement w/ additives
	2010	8						200 finish mixing Cement wash out P+L 0 Release Top Plug Start Disp
		5						700 Stop Stop Rotating 5 BBL from Landing Plug
	2025	3	84.9 BBL					1000 Plug Down Release float held Job Complete

Thanks! Jerry
Dusty
Ted

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FEB - 9 2000
CONSERVATION DIVISION
Wichita, Kansas



CHARGE TO: *Muefim Only Co.*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Logan Ks*

15-147-20589-00-~~490~~ 800
 TICKET No 1665

PAGE 1 OF 1

1. SERVICE LOCATIONS: *Ness City Ks*
 WELL/PROJECT NO.: *14w*
 LEASE: *Hansen "C"*
 COUNTY/PARISH: *Phillips*
 STATE: *Ks*
 CITY:
 DATE: *9-27-99*
 OWNER: *Same*

2. TICKET TYPE: SERVICE SALES
 CONTRACTOR:
 RIG NAME/NO.: *Muefim*
 SHIPPED VIA: *100 S.E. Logan*
 ORDER NO.:

3. WELL TYPE: *injection*
 WELL CATEGORY: *Completion*
 JOB PURPOSE: *Cement Pad Collar*
 WELL PERMIT NO.:
 WELL LOCATION:

4. REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE	104				100.00
577		1			Pump Charge					650.00
330		1			5 MDS Cement	190	SKS	9.50		1805.00
276		1			Fluoro	48	LBS	90		43.20
581		1			Bulk Service Clay	190	CY FT	1.00		190.00
583		1			Drayage	474	45 Ton M ^p	75		355.84

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 Wichita, Kansas

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 *[Signature]*
 DATE SIGNED: *9-27-99*
 TIME SIGNED: *0800*
 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3144.04
WE UNDERSTOOD AND MET YOUR NEEDS?				10% Discount
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				810 Price
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				138.65
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL
				2968.29

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

SWIFT OPERATOR: *[Signature]*
 APPROVAL:

Thank You!

15-147-20589-00-0000

SWIFT Services, Inc. ORIGINAL

DATE 9-27-99 PAGE NO. 7

JOB LOG

CUSTOMER *Murray Only* WELL NO. *14w* LEASE *Hansen C* JOB TYPE *Port Collar* TICKET NO. *1665*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0755							On Location
	0800							Start in hole w/ 5 1/2 Port Collar opened on 2 3/8 Tbg Port Collar at 1646'
	0955					1000	1000	Pressure test Tbg + CSG Held 1000
	1000	3				500	500	Open Port Collar + take inj rate
	1005							Start mixing Cement 5 MAS w/ 1/4 # floa with 140 SKS mixed Density Last 40 SKS of Cement
	1035	4				500	500	Finish mixing Cement Cement to fit
	1036							Deep 5 1/2 BBL APPROX 15 SKS TO FIT!
	1040					1000	1000	Close Port Collar + Test to 1000 ok
	1100	3	20					Run 5 Jts Tbg Rev Tbg Clean w/ 20 BBL water
	1130							Job Complete

Thanks Lenny
Wayne
Dusty

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FEB - 9 2000

CONSERVATION DIVISION
Wichita, Kansas