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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

JUL 12 2005

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM **CONFIDENTIAL**
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

Operator: License # 30606
Name: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
City/State/Zip: Wichita, Kansas 67202
Purchaser: _____
Operator Contact Person: Tom W. Nichols
Phone: (316) 267-3241
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Jeff Zoller

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

3/18/05 4/1/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-185-23305-0000
County: Stafford
N2 NE NE Sec. 16 Twp. 22 S. R. 13 East West
330 N feet from S / N (circle one) Line of Section
800 E feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Curtis Well #: 1-16

Field Name: Kenilworth
Producing Formation: LKC, Arbuckle

Elevation: Ground: 1890' Kelly Bushing: 1895'
Total Depth: 3940' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 812 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 ALTI WITHIN
(Data must be collected from the Reserve Pit) 7-17-07
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

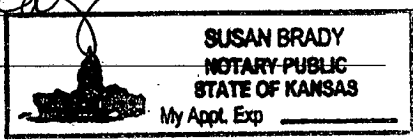
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: [Signature]
Title: Tom Nichols, Production Manager Date: 7/15 2005

Subscribed and sworn to before me this 15th day of July, 2005.

Notary Public: [Signature]
Date Commission Expires: 11-4-07



KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Side Two

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ORIGINAL

Operator Name: Murfin Drilling Company, Inc. Lease Name: Curtis Well #: 1-16
Sec. 16 Twp. 22 S. R. 13 East West County: Stafford

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 copy of all Electric Wireline 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
(Submit Copy)

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

List All E. Logs Run:

Dual Induction, Dual Compensated Porosity,
Microresistivity

SEE ATTACHED LIST

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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
Surface		8 5/8		812	A Comm/Common	195/100	3% cc/ 2% gel
Production		5 1/2		3928	AA2 Premium,	200	

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
4 SPF	3300-3304	250 gal 15% MCA	
4 SPF	3310-3314	500 gal 15% MCA	
	set bridge plug @ 3345'	250 gal 15% MCA	
4 SPF/EACH	3410-3412, 3394- 3396, 3370-3373, 3353-3354,	250 gal 15% MCA	
	3282-3283, 3255-3259, 3218-3219	500 gal 15% MCA	

TUBING RECORD	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8	3345'		

Date of First, Resumerd Production, SWD or Enhr. awaiting hookup	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
---	--

Estimated Production Per 24 Hours	Oil Bbls. swab 28.4BO, 8% oil	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. Commingled
Production Interval Other (Specify)



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SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hwy 61
P.O. Box 8613
Pratt, KS 67124-8613
(620) 672-1201
(620) 672-5383 FAX

ORIGINAL

SALES & SERVICE OFFICE:
1700 S. Country Estates Rd.
P.O. Box 129
Liberal, KS 67905-0129
(620) 624-2277
(620) 624-2280 FAX

SERVICES, LLC

Invoice

Bill to: MURFIN DRILLING 3490 West Jones Garden City, KS 67846	5864749	Invoice	Invoice Date	Order	Order Date
		504014	4/7/05	10104	4/2/05
	Service Description				
	Cement 5 1/2"				
			Lease	Well	
			Curtis	1-16	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	M. Robben	T. Seba	New Well		Net 30

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ID.	Description	UOM	Quantity	Unit Price	Price
D105	AA2 (PREMIUM)	SK	200	\$15.37	\$3,074.00 (T)
D203	60/40 POZ (COMMON)	SK	35	\$9.09	\$318.15 (T)
C195	FLA-322	LB	151	\$7.50	\$1,132.50 (T)
C221	SALT (Fine)	GAL	1335	\$0.25	\$333.75 (T)
C312	GAS BLOCK	LB	141	\$5.15	\$726.15 (T)
C243	DEFOAMER	LB	19	\$3.45	\$65.55 (T)
C194	CELLFLAKE	LB	47	\$3.41	\$160.27 (T)
C321	GILSONITE	LB	997	\$0.60	\$598.20 (T)
C244	CEMENT FRICTION REDUCER	LB	57	\$4.75	\$270.75 (T)
F101	TURBOLIZER, 5 1/2"	EA	11	\$74.20	\$816.20 (T)
F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$75.00	\$75.00 (T)
F191	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$186.65	\$186.65 (T)
F231	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$175.00	\$175.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	8	\$42.00	\$336.00 (T)
C303	SUPER FLUSH	GAL	500	\$2.45	\$1,225.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	40	\$3.65	\$146.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	40	\$2.15	\$86.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	438	\$1.60	\$700.80
E107	CEMENT SERVICE CHARGE	SK	235	\$1.50	\$352.50
R208	CASING CEMENT PUMPER, 3501-4000' 1ST 4 HRS ON LOC	EA	1	\$1,680.00	\$1,680.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R702	CASING SWIVEL RENTAL	EA	1	\$150.00	\$150.00

Sub Total: \$12,858.47
Discount: \$3,104.37

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



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SALES OFFICE:
100 S. Main
Suite #607
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(620) 672-1201
(620) 672-5383 FAX

SALES & SERVICE OFFICE:
1700 S. Country Estates Rd.
P.O. Box 129
Liberal, KS 67905-0129
(620) 624-2277
(620) 624-2280 FAX

Invoice

	Discount Sub Total:	\$9,754.10
<i>Stafford County & State Tax Rate: 6.30%</i>	Taxes:	\$453.68
<i>(T) Taxable Item</i>	Total:	\$10,207.78

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PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

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JUL 12 2005

ORIGINAL
TREATMENT REPORT

Customer ID		CONFIDENTIAL		Date	
Customer		MURKIN DR/G.		4-2-05	
Lease		Curtis		Lease No.	Well # 1-16
Field Order #	Station	Casing	Depth	County	State
15104	PRATT	5 1/2	3635'	STAFFORD	KS
Type Job			Formation	Legal Description	
5 1/2 L.S. NEW WELL			TD: 3940'	16-225-13W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2		TD = 3935		200 SKS AA-2	PRBM		5 Min. 322 1/4"	
Depth	Depth	From	To	Pre Pad	Max		10% SALT 75% FLU	
3935				10% SALT 75% FLU	18%		10 Min. 322 1/4"	
Volume	Volume	From	To	Pad	Min		10 Min. 322 1/4"	
42.7				3% CFB-3 1%			15 Min. 322 1/4"	
Max Press	Max Press	From	To	Frac	Avg		15 Min. 322 1/4"	
1500				75 1/4 GAL 1.36 H ₂ O			15 Min. 322 1/4"	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
PC				35 SKS 60% P02			Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
3875.35				20 Bbls SALT 12 Bbls S FLUSH			Total Load	

Customer Representative	Station Manager	Treater
MARK	D. AUSTRY	T. SEBA

Service Units	123	228	335	501	109
---------------	-----	-----	-----	-----	-----

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
21:30					Called out
23:00					RECEIVED ON LOC W/TRK'S : SAFETY MTG.
					JUL 18 2005
					KCC WICHITA
					Run 101 JT'S 5 1/2 15.5' CSG SPT d 3635
					ISPU: REG G. SHOE 1ST = 39.70
					CENT 1-3-5-7-9-11-13-15-17-19-21
					15' SCRATCHER ON JT'S 3-4-9-10
3:00					CSG ON BOTTOM TAG! DROP BALL
3:20					Hookup to CSG! Break CIRC W/REG; ROTATE
					START PUMPING PREFLUSHES
5:15	100		20	5	20 Bbls SALT Flush
			12		12 Bbls SURGE Flush
			3		3 Bbls H ₂ O
			48.44		MTX: Pump 200 SKS AA-2 (PRBM) 1 15.4% FLU
					SHUT DOWN RELEASE PLUG CLEAR P. LINES
5:39	100			6	START DESP
	550		73	4	LIFT OUT
	1000		93 1/2	2	PLUG DOWN
5:56	1500				PSI up CSG
5:58					RELEASE! HELD
6:15					PLUG R-1610
7:30					JOB COMPLETE

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

THANK YOU



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COPY

SALES OFFICE: 100 S. Main Suite #607 Wichita KS 67202 (316) 262-3699 (316) 262-5799 FAX
SALES & SERVICE OFFICE: 10244 NE Hiway 61 P.O. Box 8613 Pratt, KS 67124-8613 (620) 672-1201 (620) 672-5383 FAX
SALES & SERVICE OFFICE: 1700 S. Country Estates Rd. P.O. Box 129 Liberal, KS 67905-0129 (620) 624-2277 (620) 624-2280 FAX

Invoice

WELL FILE

Bill to: MURFIN DRILLING 3490 West Jones Garden City, KS 67846	5864749	Invoice	Invoice Date	Order	Order Date
		503122	3/24/05	10038	3/19/05
	Service Description				
	Cement 8 5/8"				
Lease			Well		
Curtis			1-16		
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	D. Leftwich	C. Messick	New Well		Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D200	COMMON	SK	100	\$12.38	\$1,238.00 (T)
D201	A-CON BLEND (COMMON)	SK	195	\$14.77	\$2,880.15 (T)
C194	CELLFLAKE	LB	70	\$3.41	\$238.70 (T)
C310	CALCIUM CHLORIDE	LBS	740	\$1.00	\$740.00 (T)
F145	TOP RUBBER CEMENT PLUG, 8 5/8"	EA	1	\$145.70	\$145.70 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	40	\$3.65	\$146.00
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	40	\$2.15	\$86.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	556	\$1.60	\$889.60
E107	CEMENT SERVICE CHARGE	SK	295	\$1.50	\$442.50
R202	CASING CEMENT PUMPER, 501-1,000' 1ST 4 HRS ON LOC.	EA	1	\$924.00	\$924.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	3	\$210.00	\$630.00

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Sub Total: \$8,610.65
 Discount: \$2,152.66
 Discount Sub Total: \$6,457.99
 Stafford County & State Tax Rate: 6.30% Taxes: \$247.71
 (T) Taxable Item
 Total: \$6,705.70

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182
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INVOICE NO.		Subject to Correction		FIELD ORDER 10038 ✓	
Date	3-19-05	Lease	Curtis	Well #	1-16
Customer ID		County	Stafford	State	KS.
Murfin Drilling Company		Depth		Formation	
		Casing	8 7/8" 23#/ft	Casing Depth	802.98'
		TD	822'	Job Type	Cement Surface - New Well
		Customer Representative	Dennis Leftwich	Treater	Clarence R. Messick
		Shoe Joint	15'		

CHARGE

AFE Number	PO Number	Materials Received by	X Dennis Leftwich by Clarence R. Messick
------------	-----------	-----------------------	--

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-200	100 sk.	Common	-			
D-201	195 sk.	A-CON Blend (Common)	-			
C-194	70 lb.	Cellflake	-			
C-310	740 lb.	Calcium Chloride	-			
F-145	1 ea.	Top Rubber Cement Plug, 8 5/8"	-			
E-100	40 mi.	Heavy Vehicle Mileage	1-way			
E-101	40 mi.	Pickup Mileage	1-way			
E-104	556 tm.	Bulk Delivery				
E-107	295 sk.	Cement Service Charge				
R-202	1 ea.	Casing Cement Pumper Sol-1,000'				
R-701	1 ea.	Cement Head Rental				
R-402	3 ea.	Cement Pumper, Additional hours on location				
Discounted Price =				\$ 6,457.99		
Plus taxes						

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TREATMENT REPORT

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Customer ID	Date
Customer Murfin Drilling Company	3-19-05
Lease Curtis	Lease No.
	Well # 1-16

Field Order # 10038	Station Pratt	Casing 8 7/8" 23#/ft	Depth	County Stafford	State KS.
Type Job Cement-Surface - New Well	Formation	Legal Description 16-225-13W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 7/8" 23#/ft	Tubing Size	Shots/Ft		195 scks. A-CON (common) with 3% cc. & 1/4 #/ft. cell flake	RATE	PRESS	ISIP
Depth 802.98'	Depth	From	To	11.5 #/gal., 18.48 gal./stk.	Max	2.96 cu. ft./stk.	5 Min.
Volume	Volume	From	To	100 scks. common with 2% c.c. & 1/4 #/ft. cell flake	Min		10 Min.
Max Press	Max Press	From	To	15.6 #/gal., 5.52 gal./stk.	Avg	1.22 cu. ft./stk.	15 Min.
Well Connection Plug Cent	Annulus Vol.	From	To	Flush 51 bbl. Fresh H ₂ O	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To		Gas Volume		Total Load

Customer Representative Dennis Leftwich	Station Manager Dave A. Atry	Treater Clarence R. Messick
--	---------------------------------	--------------------------------

Service Units	109	380	457	303	571
---------------	-----	-----	-----	-----	-----

Time PM	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00					Cementer on Location
6:00					Trucks on location and hold safety meeting
11:45					Berentz Drilling start to run 19 scks. 8 7/8" 23 #/ft. new casing
1:00					Casing in well. Break circ. with rig mud pump
1:26	150			5	Start 10 bbl. Fresh H ₂ O Pre-Flush
1:28	150		10	5	Start to mix 195 scks A-CON.
1:47	150		113	5	Start to mix 100 scks Common
			135		Stop pumping. Release Plug
1:55				5	Start Fresh H ₂ O Displacement
2:05	200		51		Plug down. Circulate 15 scks to the pit
					Shut head. Release pressure
					Wash up pump truck
2:30					Job Complete
					Thanks
					Clarence R. Messick

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- 3/27/05 cont. **DST #4 3590-3620' (Lansing K zone):** 30-60-60-90; IF: fr blw bldg OBB in 4". FF: fr blw bldg OBB in 4". ISI: wk blw bldg to 3" thru out. FSI: wk blw bldg to 3" thru out. Rec.: 1600' GIP, 180' CGO (30° API grav.), 70' SOCMW (2% O, 23% M, 75% W) (Chlr. 43,000 ppm); HP: 1722-1678; FP: 28/67, 86/127; SIP: 774-770. BHT 108°.
- 3/28/05 Depth 3712'. Cut 92'. **DST #5 3674-3712' (Conglomerate):** 30-45-30-90; IF: 1" thru out. FF: surf. blw thru out. Rec.: 10' M. HP: 1781-1729; FP: 21/25, 23/24; SIP: 38-35. BHT 103°.
- 3/29/05 Depth 3800'. Cut 88'. **DST #6 3750-3800' (Simpson SS):** 30-45-45-0. IF: ½" blw thru out. FF: no blw flushed tool no help. Rec.: 15' M. HP: 1832-1794; FP: 20/23, 23/28; SIP: 38-NA. BHT 98°.
- 3/30/05 Depth 3830'. Cut 30'. **DST #7 3806-3820' (Arbuckle):** Packer failure Misrun. Cut 10 more feet had excellent shows. **DST #8 3810-3820' (Arbuckle)**
- 3/31/05 Depth 3830'. Cut 0'. **DST #8 3810-3820' (Arbuckle):** Mis run tool failure. Ricketts brought another test tool. **DST #9 3812-3820' (Arbuckle):** 30-45-60-90; IF: wk blw built to 5" in 30 min. FF: wk blw built to 6" in 45 min. Rec.: 50' CO (24° API Grav.), 90' SO&WCM (12% O, 64% M, 24% W) (Chlr. 12,000 ppm); HP: 1868-1810; FP: 20/38, 44/70; SIP: 1271-1281. BHT 106°.
- 4/1/05 RTD 3940'. Cut 110'. **DST #10 3828-3840' (Arbuckle):** IF: wk bldg to strng blw OBB in 5". FF: wk bldg to strng blw OBB in 5". ISI: wk surf. blw thru out. FSI: wk surf. blw thru out. Rec.: 100' CO (22° API Grav.), 50' SO&MCW (10% O, 30% M, 60% W), 850' W (Chlr 20,000); HP: 1846-1799. FP: 43/229, 240/414; SIP: 1305-1304. BHT 118°. Should start around noon.
- 4/2/05 Log Tech logged, LTD @ 3938'. Ran 101 jts. of 5 ½" prod. csg. set @ 3928'. Cmt. w/200 sx. AA-2 Prem. Cmt., plugged rat hole, comp. @ 7:30 a.m. 4/2/05. Final report.

MDCI Curtis #1-16 1895' KB							Turnco Drilling, Inc. Curtis-Chaad #4 1901' KB	
Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	754	+1141	-1	755	+1140	-2	759	+1142
B/Anhydrite	783	+1112	-5	778	+1117	Flat	784	+1117
Topeka	2973	-1078		2965	-1070			
Heebner	3266	-1371	-1	3264	-1369	+1	3271	-1370
Toronto	3288	-1393	-3	3285	-1390	Flat	3291	-1390
Douglas	3302	-1407	-3	3300	-1405	-1	3305	-1404
Brown Lime	3397	-1502	-3	3394	-1499	Flat	3400	-1499
Lansing A	3417	-1522	-3	3414	-1519	Flat	3420	-1519
Lansing H	3540	-1645	-6	3534	-1639	Flat	3540	-1639
Stark Shale	3592	-1697	-1	3590	-1695	+1	3597	-1696
BKC	3620	-1725	Flat	3620	-1725	Flat	3626	-1725
Conglomerate	3684	-1789	+4	3683	-1788	+5	3694	-1793
Viola	3714	-1819	+1	3721	-1826	-6	3721	-1820
Simpson Sh	3756	-1861	+2	3754	-1859	+4	3764	-1863
Simpson SS	3776	-1881	+4	3774	-1879	+6	3786	-1885
Arbuckle	3808	-1913	+6	3806	-1911	+8	3820	-1919
TD	3940			3938				

Curtis #1-16

Operator: Murfin Drilling Company, Inc.

Contractor: Berentz Drilling Co.

Rig #5

ORIGINAL

CONFIDENTIAL

Grimes 3-D Prospect #3238

330 FNL 800 FEL
Sec. 16-T22S-R13W
Stafford County, Kansas

Call Depth: 2700'
Spud: 9:15 p.m. 3/18/05

TD: 3940'

KCC
JUL 12 2005
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Contact Person: Scott Robinson
Phone number: 316-267-3241
Well site Geologist: Jeff Zoller

API # 15-185-23305
Casing: 8 5/8" @ 812'
5 1/2" @ 3928'

Elevation: 1890' GL
1895' KB

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DAILY INFORMATION:

3/18/05 MIRT.

3/19/05 Depth 486'. Cut 486'. DT: none. CT: none. Dev.: none.

3/20/05 Depth 812'. Cut 326'. DT: none. CT: none. Dev.: none. Ran 19 jnts. Of 8 5/8" surf. csg. to 812' cmt. w/ 195 sx. A comm., 3% cc, & 100 sx. comm., 2% cc. Cmt. circ. by Acid Services. Plug down 2:05 a.m.. Drilled out 2:00 p. m.

3/21/05 Depth 1569'. Cut 757'. DT: 7 1/2 hrs (woc 3 1/2 hrs.) Dev.: 2° @ 1074'.

3/22/05 Depth 2250. Cut 681'. DT: 3 hrs (conn and service rig). CT: none. Dev.: none.

3/23/05 Depth 2996'. Cut: 746'. DT: 3 hrs(service rig & conn.). CT: None. Dev: 3/4° @ 2311'.

3/24/05 Depth 3496'. Cut 500'. DT: none. CT: 3hrs (displaced mud). Dev.: none. Shows in the Lansing B, D & E zones. **DST #1 3419-3496 (Lansing A-F zones):**

3/25/05 Depth 3523'. Cut 27'. DT: none. CT: 21 1/2 hrs. Dev.: 2 1/4° @ 3496'. **DST #1 3419-3496 (Lansing A-F zones):** 30-60-60-90. IF: wk blw bldg OBB in 24 min. FF: OBB imm. Strg blw thru-out. Rec. 65' O SPKD M. HP: 1633-1607; FP: 17/23, 33/41; SIP: 562-677. Strap pipe @ 3496' was .47' long to the board. Circ. @ 3548' (H zone) for samples @ 8:45 a.m. Show of gas, light brn stn & fluor, fnt odor in a 5' drlg brk. **DST #2 3530-3548 (Lansing H zone):**

3/26/05 Depth 3596'. Cut 73'. **DST #2 3530-3548 (Lansing H zone):** 30-60-60-90. IF: wk blw plugging, OBB in 3" misrun. FF: strng blw thru out. ISI: no blw back packer failure. FSI: wk surf. blw for 45 min. Rec.: 230' M w/trace oil in tool. HP: 1714-1629; FP: misrun, 112/117; SIP: misrun-310. BHT 100°.

3/27/05 Depth 3620'. Cut 24'. **DST #3 3550-3596 (Lansing I & J zones):** 30-60-60-90; IF: fr blw bldg - OBB in 3". FF: stng blw thru-out. ISI: wk blw bldg to 7" thru out. FSI: wk blw bldg to 3" thru out. Rec.: 10' O, 200' M & 1100' W (Chlr. 63,000 ppm). HP: 1698-1676; FP: 42/303, 309/583; SIP: 877-862; BHT 111°. CONT. PAGE TWO

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- 3/27/05 cont. **DST #4 3590-3620' (Lansing K zone):** 30-60-60-90; IF: fr blw bldg OBB in 4". FF: fr blw bldg OBB in 4". ISI: wk blw bldg to 3" thru out. FSI: wk blw bldg to 3" thru out. Rec.: 1600' GIP, 180' CGO (30° API grav.), 70' SOCMW (2% O, 23% M, 75% W) (Chlr. 43,000 ppm); HP: 1722-1678; FP: 28/67, 86/127; SIP: 774-770. BHT 108°.
- 3/28/05 Depth 3712'. Cut 92'. **DST #5 3674-3712' (Conglomerate):** 30-45-30-90; IF: 1" thru out. FF: surf. blw thru out. Rec.: 10' M. HP: 1781-1729; FP: 21/25, 23/24; SIP: 38-35. BHT 103°.
- 3/29/05 Depth 3800'. Cut 88'. **DST #6 3750-3800' (Simpson SS):** 30-45-45-0. IF: ½" blw thru out. FF: no blw flushed tool no help. Rec.: 15' M. HP: 1832-1794; FP: 20/23, 23/28; SIP: 38-NA. BHT 98°.
- 3/30/05 Depth 3830'. Cut 30'. **DST #7 3806-3820' (Arbuckle):** Packer failure Misrun. Cut 10 more feet had excellent shows. **DST #8 3810-3820' (Arbuckle)**
- 3/31/05 Depth 3830'. Cut 0'. **DST #8 3810-3820' (Arbuckle):** Mis run tool failure. Ricketts brought another test tool. **DST #9 3812-3820' (Arbuckle):** 30-45-60-90; IF: wk blw built to 5" in 30 min. FF: wk blw built to 6" in 45 min. Rec.: 50' CO (24° API Grav.), 90' SO&WCM (12% O, 64% M, 24% W) (Chlr. 12,000 ppm); HP: 1868-1810; FP: 20/38, 44/70; SIP: 1271-1281. BHT 106°.
- 4/1/05 RTD 3940'. Cut 110'. **DST #10 3828-3840' (Arbuckle):** IF: wk bldg to strng blw OBB in 5". FF: wk bldg to strng blw OBB in 5". ISI: wk surf. blw thru out. FSI: wk surf. blw thru out. Rec.: 100' CO (22° API Grav.), 50' SO&MCW (10% O, 30% M, 60% W), 850' W (Chlr 20,000); HP: 1846-1799. FP: 43/229, 240/414; SIP: 1305-1304. BHT 118°. Should start around noon.
- 4/2/05 Log Tech logged, LTD @ 3938'. Ran 101 jts. of 5 ½" prod. csg. set @ 3928'. Cmt. w/200 sx. AA-2 Prem. Cmt., plugged rat hole, comp. @ 7:30 a.m. 4/2/05. Final report.

Formation	MDCI Curtis #1-16 1895' KB						Turnco Drilling, Inc. Curtis-Chaad #4 1901' KB	
	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	754	+1141	-1	755	+1140	-2	759	+1142
B/Anhydrite	783	+1112	-5	778	+1117	Flat	784	+1117
Topeka	2973	-1078		2965	-1070			
Heebner	3266	-1371	-1	3264	-1369	+1	3271	-1370
Toronto	3288	-1393	-3	3285	-1390	Flat	3291	-1390
Douglas	3302	-1407	-3	3300	-1405	-1	3305	-1404
Brown Lime	3397	-1502	-3	3394	-1499	Flat	3400	-1499
Lansing A	3417	-1522	-3	3414	-1519	Flat	3420	-1519
Lansing H	3540	-1645	-6	3534	-1639	Flat	3540	-1639
Stark Shale	3592	-1697	-1	3590	-1695	+1	3597	-1696
BKC	3620	-1725	Flat	3620	-1725	Flat	3626	-1725
Conglomerate	3684	-1789	+4	3683	-1788	+5	3694	-1793
Viola	3714	-1819	+1	3721	-1826	-6	3721	-1820
Simpson Sh	3756	-1861	+2	3754	-1859	+4	3764	-1863
Simpson SS	3776	-1881	+4	3774	-1879	+6	3786	-1885
Arbuckle	3808	-1913	+6	3806	-1911	+8	3820	-1919
TD	3940			3938				



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Curtis # 1-16
Completion Report
Section 16-22S-13W
Stafford County, KS

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04/05 - 05/02 Waiting on Completion Equipment

05/04 Waiting on Completion/ Will move in 5/05

05/05 MIRU MDC #448. Mai Trucking hauled in 125 jts 2 3/8" tbg f/ Russell Warehouse. RU csg swab, s/d to 3400', RU Log-Tech w/ pack off head, perforate arb 3828-30' 4 spf EHSC, perforate Arb 3822-24', 4 spf EHSC, shut in csg. SDON.

05/06 MDC #448. Arb Perfs 3828-30', Arb perfs 3822-24' TIH w/ X-pert 5 1/2" plug & pkr on 120 jts 2 3/8" tbg. Isolate Arb Perfs 3828-30'. Set plug @ 3863', pkr set @ 3826'. RU tbg swab w/ lubricator. TIH 3450' FTF, 376' FI tbg. S/D to 3826' made 2 runs dried up. Will treat Monday a.m.

05/09 MDC #448. Arb Perfs 3828-30', X-pert plug set @ 3863' pkr set @ 3827', TIH w/ tbg swab check over-weekend fill up. 3677 FTF, 150 FI tbg 100' oil 50' water, RU Oilman's Acid treat w/ 250 gals 15% MCA, spot acid on perfs load & flush w/ lease water, stage acid @ 250#, 500#, 750#, 1000# f/ 2 hrs. 2/10 bbl acid out staged to 1200# f/ 1/2 hr. Blow on annulus. Communicated to arb 3822-24' release pkr pull pkr to 3800' leave swing. TIH w/ tbg swab, swab back load 20 bbls set pkr 3800' TIH w/ tbg swab, swab dry. RU Oilman's Acid treat Arb Perfs 3822-24', 3828-30 w/ 250 gals 15% MCA, staged 1/2 bbl @ 750# 1/2 hr, staged 1 bbl @ 1000# & 1 hr, start feeding @ 1200# .25 bpm, 4 bbl acid out break in pres. Went to .50 bpm 1250# pumped 1 bbl over ISIP 1200# total load 22 bbl 10 mins to vac, TIH w/ tbg swab 1000 FTF, 2700 FI tbg swab down to 3200', FL staying @ 1800' rec 24 bbl start 1 hr test 6 PPH swab down to 3400' FL staying @ 2200' rec 26.72 bbls oil % from 5% - 10% oil shut in tbg. SDON.

05/10 MDC #448. Arb Perfs 3822-24', 3828-30', plug set @ 3863', pkr set @ 3800', TIH w/ tbg swab check overnight fillup. 800 FTF, 3000 FI tbg, 325' oil, 2975' wtr, Baker Rep check oil 17 gravity. Swab down to 3200', FL staying @ 2000' rec 29.00 bbl start 1st hr test, 1st hr, 5 PPH s/d to 3300', FL staying @ 2100' rec 24.21 bbls 8% Oil, 2nd hr 5 PPH s/d to 3300', FL staying @ 2100' rec 26.00 bbls 9% oil, 3rd hr 5 PPH s/d to 3350', FL staying @ 2200' rec 24.22 bbls 9% oil, 4th hr 5 PPH s/d to 3350', FL staying @ 2200' rec 23.38 bbls 10% oil, 5th hr 5 PPH s/d to 3350', FL staying @ 2300' rec 24.21 bbls 12% oil, 6th hr 5 PPH s/d to 3400' fl staying @ 2400' rec 24.21 bbls 11% oil. SDON. Younger Energy Co has SWD about 1 1/4 miles East (Soeken lease)

05/11 MDC #448. Arb Perfs 3822-24', 3828-30', plug set @ 3863', pkr set @ 3800', TIH w/ tbg swab check overnight fillup. 900 FTF, 2900 FI tbg, 300' oil, 2600' wtr, Swab down to 3400', FL staying @ 2000' rec 30.06 bbls start hr test 1st hr 5 PPH, SD to 3400', FL staying @ 2100' rec 28.39 bbls 7% oil, 2nd hr 5 PPH s/d to 3400', FL staying @ 2200' rec 28.39 8% oil. Rig down swab equip. TOH w/ tbg, pkr & plug. Shut in csg. Will haul in 2 7/8" tbg string next a.m.

05/12 Mai Trucking loaded 123 jts 2 7/8" tbg from Russell Warehouse hauled to Curtis unload 2 7/8" & loaded up 125 jts 2 3/8" tbg & hauled to RFP #1-32 & put on seals.

05/13 TIH w/ 2 7/8" x 5 1/2" x 2.70 AC Right-Hand set 2 7/8" x 3 1/2" c/o swage, 3 1/2' x 1.50' tag pin sub 30.70 stator, 3 1/2" x 10.00 tbg sub. O.A. 40.93', 122 jts 2 7/8" OD EUE 8rd tbg = 3774.08', Tag pin @ 3816.51', AC @ 3817.36' set w/ 6" stretch & 5,000 over, (AC has 25,000 shear) BTM string @ 3820.06', TIH w/ P-4 Chrome rotor 149 - 1" E/L's rods, Btm 5 rods have guides 6' - 2' - 1' x 1" rod subs, 1 1/4" x 26' PR, spaced 36" off btm set Grenco Drive head & leveled up. Plumbed in well head connections. RDMOL.

05/16 - 06/01 Waiting on Equipment

06/02 Langfeld Dirt Construction built tank grade.

06/03 - 07/05 Waiting on Completion Equipment.

07/06 Midwest Energy building line

07/07-07/11 Waiting on Completion Equipment