

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30606

Name: Murfin Drilling Company, Inc.

Address 1: 250 N. Water, Ste. 300

Address 2: _____

City: Wichita State: KS Zip: 67202 + _____

Contact Person: Ronald Schraeder

Phone: (316) 858-8630

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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: Zenith Petroleum Corp.

Well Name: Keller A 9

Original Comp. Date: 8-5-85 Original Total Depth: 4030'

- 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 #: E-30, 745
- GSW Permit #: _____

<u>7-10-85</u>	<u>7-16-85</u>	<u>12-14-10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-21745-00-01

Spot Description: _____

SW 1/2 NE NW Sec. 17 Twp. 13 S. R. 21 East West

4,290 4339 Feet from North / South Line of Section

3,200 3637 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Trego

Lease Name: Keller "A" Well #: 9

Field Name: Riga Northwest

Producing Formation: Marmaton

Elevation: Ground: 2188 Kelly Bushing: 2193

Total Depth: 4030 Plug Back Total Depth: 4006

Amount of Surface Pipe Set and Cemented at: 259 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 259

feet depth to: surface w/ 170 sx cmt.

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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 #: _____

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.

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.

Signature: Ronald S Schraeder

Title: Production Engineer Date: 1-17-11

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: WOO Dog Date: 1/21/11

Operator Name: Murfin Drilling Company, Inc. Lease Name: Keller "A" Well #: 9
 Sec. 17 Twp. 13 S. R. 21 East West County: Trego

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Logs furnished with Form U-1 application. See attached schematic.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Marmaton</td> <td>3834</td> <td>1646</td> </tr> </table>	Name	Top	Datum	Marmaton	3834	1646
Name	Top	Datum					
Marmaton	3834	1646					

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	12 1/4	8 5/8	24	259	common	170	2% gel
Production	7 7/8	4 1/2	10.5	4028	lite & common	500	2% gel, 10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2597-3628	common	50	2% calcium
(squeeze to 1000#)				

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

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TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3954'</u>	Packer At: <u>3855'</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>Pending</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Date: 1/17/11 Wellnam: **KELLER 9A** Footage: 4339' FSL & 3637' FEL
 Preparer: Schraeder Field: RIGA NORTHWEST Sec: 17
 County: TREGO State: KS Twp: 13S
 Lease #: 4195 API: 15-195-21745 Rge: 21W

KB: 2193
 GL: 2188
 Diff: 5

Size	Weight	Grade	Depth	Cement	Date Cmt'd	Comment
8-5/8	24#		259	170	7/10/85	CIRC
4-1/2	10.5#	J-55	4028	500	7/16/85	CIRC

DST'S - NONE

PERFORATIONS

Formation	Top	Btm	SPF	# of holes	Date	Status
Marm (Pw)	3878	3900	2	44	6/21/96	ACTIVE
Marm (Pw)	3928	3937	2	18	7/22/85	Under CIBP

WELL HISTORY

7/22/85 Pf Marmaton (Pw) 3928-37' w/2 spf.
 A 250 gal. 15% MCA (no details).
 Frac w/12,000 gal. gel carrying 15,000# sd and flushed with 4,650 gal. 2% KCL(no details)

7/27/85 Tracer survey. Only Marmaton perfed area took frac.
 8/5/85 POP: ACO-1 shows 62 oil & 6 water per day. Gravity 33.

9/19/85 FL: 3827' or 51' above the Pfs.
 5/16/96 Ran tubing, pump, & rods. POP.
 6/8/96 Pressured csg, possible leak.

WORKOVER

6/20/96 Drilled out to 3914' (sd & iron scale). TIH w/pkr.
 6/21/96 Set CIBP at 3910'. Move up hole.
 Pf Marm (Pw) 3878-3900' w/2 spf. \$ down, \$ 0.8 bw last 30 min.
 6/22/96 ONFU 900' wtr w/sho oil. A 1,000 gal. 15% MCA (no details). \$ 1.12 bfph w/sho oil (4th Hr.).
 6/23/96 ONFU 550' wtr (6% oil). \$ 1.68 bfph w/sho oil (2nd Hr.). Laid out well, TA'd.

5/10/04 TIH. \$ 4-5 bwph, no oil. Laid out well again. TA'd.

8/2/06 Sent Form CP-111. K.C.C. warns "last time".
 1/17/08 TA FL 1351 FTF using 1150 FPS velocity
 8/8/08 TA FL 1374 FTF using 1150 FPS velocity
 4/27/09 TA FL 1540 FTF using 1150 FPS velocity

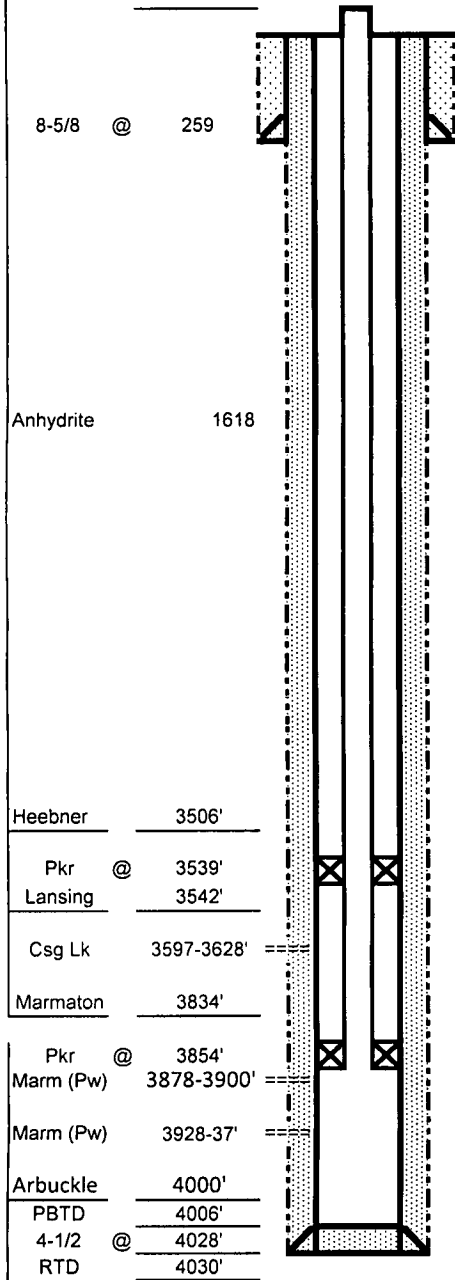
CHECK CASING INTEGRITY

5/7/09 TIH w/sand pmp. Tagged fill @ 3600'. Cleaned out to 3615'.
 5/8/09 TIH w/pkr. M.I.T. csg at 3275' to 320#, held. Bruce Rodie (KCC) witness.
 \$ tbg to 3275', rec 11 bbis. Tst: 29 bf (1 Hr.). \$ dry.
 5/11/09 ONFU 1575' FIT, wtr. TOH w/pkr. Swage & valve on top. TA'd.

3/18/10 Static FL: 1408 FTF = 2470 FAP
 3/18/10 Static FL: 1408 FTF = 2470 FAP
 9/23/10 TA FL 1400 FTF
 11/1/10 Action date for denied CP111. Over 10 years.
 11/30/10 K.C.C. granted "Design Approval" to become injection well.

RECOMPLETION TO INJECTION SERVICE

12/15/10 TIH w/bit. CI to 3910'. Iso leak at 3565-97' (1/2 bpm & 700#).
 12/17/10 Sqz w/50 sks & 1000#. Dlg out & tst (600# to 550# in 15 minutes). Call K.C.C.
 12/29/10 Re-Pf (Mrm) 3928-37'. Acd Mrm w/500 10% FE (3/4 bpm & 1700#).
 1/3/11 Inj Rate (Mrm): 1/2 bpm & 700#. Run dual packers (3854' & 3539').
 1/6/11 M.I.T. passed (420# for 30 minutes.)
 1/17/11 ACO-1 w/attachments to K.C.C.



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QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 12/21/2010
 Invoice # 4268

P.O.#:
 Due Date: 1/20/2011
 Division: Russell

Invoice

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

36 W/S

Reference:
 KELLER 9-A

Description of Work:
 SQUEEZ JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,204.81	Yes				
Common-Class A	50	\$ 643.89	Yes				
Bulk Truck Matl-Material Service Charge	150	\$ 316.67	Yes				
Pump Truck Mileage-Job to Nearest Camp	26	\$ 273.90	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	26	\$ 160.28	Yes				
Calcium Chloride	1	\$ 39.75	Yes				

Invoice Terms:

Net 30

SubTotal:	\$ 2,639.29
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (395.89)
SubTotal for Taxable Items:	\$ 2,243.40
SubTotal for Non-Taxable Items:	\$ -

6.80% Trego County Sales Tax

Total:	\$ 2,243.40
Tax:	\$ 152.55
Amount Due:	\$ 2,395.95
Applied Payments:	
Balance Due:	\$ 2,395.95

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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No.	Amount	Description
89836	2395.95	SQUEEZE JOB # 9A

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KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4268

Date	12-17-10	Sec.	Twp.	Range	County	State	On Location	Finish	
Lease	Kellar	Well No.	9-A	Location Rigan Elm 1/2 S 2W 1/2 S E					2:30 PM
Contractor	Murfin	Owner			To Quality Oilwell Cementing, Inc.				
Type Job	Squeeze	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size		T.D.							
Csg.	4 1/2	Depth	Charge To	Murfin Dr. Inc.					
Tbg. Size	2"	Depth	Street						
Tool		Depth	City		State				
Cement Left in Csg.		Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line		Displace	Cement Amount Ordered					50 com 2% cc	

EQUIPMENT

Pumptrk	1	No.	Cementer	Neale	Used	50
			Helper		Common	
Bulktrk	10	No.	Driver	Cory	Poz. Mix	
			Driver			
Bulktrk	pu	No.	Driver	Dave	Gel.	
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls	
Rat Hole	Salt	
Mouse Hole	Flowseal	
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
tested plug @ 1000 psi	Sand	
Hole @ 3565 - 90	Handling	150
Set @ 3411 Rabe	Mileage	
@ 1/2 BBL @ 700 psi	FLOAT EQUIPMENT	
Mixed 50 slk 2% cc w/c	Guide Shoe	
Bypass open set & staged	Centralizer	
@ 800 psi. Released &	Baskets	
washed manual tool.	AFU Inserts	
pulled tubing	Float Shoe	
got app 20 slk into	Latch Down	
formation.		

Thanks

X Signature *Mr. Rollen*

Pumptrk Charge *Squeeze*
Mileage *26*

Tax
Discount
Total Charge

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