

CONFIDENTIAL

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

RECEIVED  
KANSAS CORPORATION COMMISSION  
Form ACO-1  
September 1999  
Form Must Be Typed  
DEC 21 2007  
ORIGINAL  
OIL & GAS CONSERVATION DIVISION

Operator: License # 33770  
Name: ARES Energy, Ltd.  
Address: 303 W. Wall St., Suite 900  
City/State/Zip: Midland, TX 79701  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Robert L. Dimit  
Phone: ( 432 ) 685-1960  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: Reed Wahnee

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 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: \_\_\_\_\_  
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. \_\_\_\_\_

07/20/2007 07/28/2007 08/22/2007  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 033-21494-0000  
County: Comanche  
SE SE Sec. 31 Twp. 33 S. R. 20  East  West  
660 feet from S N (circle one) Line of Section  
660 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Dennison Well #: 31-16  
Field Name: Wildcat

Producing Formation: Morrow  
Elevation: Ground: 1,774' Kelly Bushing: 1,784'  
Total Depth: 5,435' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 669 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.

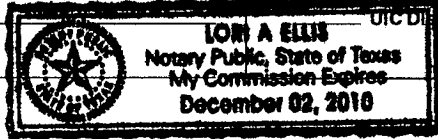
Drilling Fluid Management Plan AKINS 5-19-09  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License 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: Robert L. Dimit  
Title: Managing Partner Date: 11/13/2007  
Subscribed and sworn to before me this 18th day of December, 2007.  
Notary Public: Lori A. Ellis  
Date Commission Expires: December 2, 2010

KCC Office Use ONLY  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
RECEIVED  
KANSAS CORPORATION COMMISSION  
NOV 19 2007  
CONSERVATION DIVISION  
WICHITA, KS



Operator Name: ARES Energy, Ltd. Lease Name: Dennison Well #: 31-16  
 Sec. 31 Twp. 33 S. R. 20  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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i>  List All E. Logs Run:  Dual Induction, Density - Neutron, Sonic Log, Microlog	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>4,221'</td> <td>-2,437'</td> </tr> <tr> <td>Lansing</td> <td>4,401'</td> <td>-2,617'</td> </tr> <tr> <td>Marmaton</td> <td>5,004'</td> <td>-3,220'</td> </tr> <tr> <td>Pawnee</td> <td>5,050'</td> <td>-3,266'</td> </tr> <tr> <td>Cherokee Shale</td> <td>5,105'</td> <td>-3,321'</td> </tr> <tr> <td>Morrow</td> <td>5,214'</td> <td>-3,430'</td> </tr> <tr> <td>Mississippi</td> <td>5,260'</td> <td>-3,476'</td> </tr> </table>	Name	Top	Datum	Heebner	4,221'	-2,437'	Lansing	4,401'	-2,617'	Marmaton	5,004'	-3,220'	Pawnee	5,050'	-3,266'	Cherokee Shale	5,105'	-3,321'	Morrow	5,214'	-3,430'	Mississippi	5,260'	-3,476'
Name	Top	Datum																							
Heebner	4,221'	-2,437'																							
Lansing	4,401'	-2,617'																							
Marmaton	5,004'	-3,220'																							
Pawnee	5,050'	-3,266'																							
Cherokee Shale	5,105'	-3,321'																							
Morrow	5,214'	-3,430'																							
Mississippi	5,260'	-3,476'																							

CASING RECORD <input checked="" 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
Conductor	30"	20"	48	80'	Grout	11	
Surface	12-1/4"	8-5/8"	24	669'	65/35/Class A	275/100	6%gel 3%cc/3%cc 2% gel
Production	7-7/8"	5-1/2"	15.5	5,434'	Class H	125	10% gyp-sent/10% salt/8% FL-160

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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	5,310' - 5,316' (Mississippi)	3,000 gal 15% MCA, 3 gal cla-sta	
4-SPF	5,242' - 5,252' (Morrow)	500 gal 7.5% HCL NEFE w/ 20% methonal, 1.5 gal cla-sta	

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**DEC 21 2007**

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>5,266'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CONSERVATION DIVISION WICHITA, KS
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Date of First, Resumerd Production, SWD or Enhr. <b>September 2007</b> <u>9-15-07</u>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls. <b>4</b>	Gas Mcf <b>1,400</b>	Water Bbls. <b>None</b>	Gas-Oil Ratio	Gravity

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Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

Method of Completion  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

**NOV 19 2007**

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

31136

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
MEDICINE LODGE

DATE <u>7-20-07</u>	SEC. <u>31</u>	TWP. <u>33.5</u>	RANGE <u>20 W</u>	CALLED OUT <u>7:30 pm</u>	ON LOCATION <u>10:00pm</u>	JOB START <u>12:25am</u>	JOB FINISH <u>1:30 am</u>
LEASE <u>DENNISON</u>		WELL # <u>31-16</u>	LOCATION <u>PROTECTION, KS, 2 1/2 W, 4 1/2 S,</u>		COUNTY <u>COMANCHE</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1/4 W, NORTH INTO</u>				

CONTRACTOR DUKE #7  
 TYPE OF JOB SURFACE CASING  
 HOLE SIZE 12 1/4" T.D. 682'  
 CASING SIZE 8 5/8" DEPTH 679'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2" DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 800 MINIMUM 100  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42.71'  
 CEMENT LEFT IN CSG. 42.71'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 41 bbl. FRESH WATER

OWNER AKES ENERGY  
 CEMENT  
 AMOUNT ORDERED 275.5x 65:35:6 + 3% CC  
+ 1/4" FLO-SEAL, 100 SX CLASS A + 3% CC  
+ 2% GEL  
 COMMON 100 A @ 12.60 1260.  
 POZMIX @ \_\_\_\_\_  
 GEL 2 @ 16.65 33.30  
 CHLORIDE 13 @ 46.60 605.80  
 ASC @ \_\_\_\_\_  
Flo-Seal 69# @ 2.00 138.0  
65:35:6 275 @ 11.85 3258.75  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 HANDLING 407 @ 1.90 773.3  
 MILEAGE 407 @ .09 2564.7  
 TOTAL 8633.75

EQUIPMENT

PUMP TRUCK CEMENTER BILL M.  
 # 360 HELPER ROBERT H.  
 BULK TRUCK  
 # 421 DRIVER LARRY F.  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

PIPE ON BOTTOM, BREAK CIRCULATION,  
PUMP PRE-FLUSH, PUMP 275 SX  
65:35:6 + 3% CC + 1/4" FLO-SEAL, 100 SX  
CLASS A + 3% CC + 2% GEL, STOP PUMP,  
RELEASE PLUG, START DISPLACEMENT,  
SEE LIFT, SLOW RATE, BUMP PLUG,  
FLOAT HELD, DISPLACED WITH 41 bbl.  
FRESH WATER.

SERVICE

DEPTH OF JOB 679'  
 PUMP TRUCK CHARGE 815.00  
 EXTRA FOOTAGE 379 @ .65 246.35  
 MILEAGE 70 @ 6.00 420.00  
 MANIFOLD HEAD RENT @ 100.00 100.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

CHARGE TO: AKES ENERGY  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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KANSAS CORPORATION COMMISSION

NOV 19 2007

TOTAL 1581.3

CONSERVATION DIVISION  
WICHITA, KS & FLOAT EQUIPMENT

8 5/8" RUBBER PLUG 1 @ 100.00 100.00  
8 5/8" GUIDE SHOULDER 1 @ 250.00 250.00  
8 3/8" AEU INSEKT 1 @ 335.00 335.00  
8 5/8" BASKET 1 @ 220.00 220.00  
8 3/8" CENTRALIZER 2 @ 55.00 110.00

TOTAL 1015.00

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE ~~\_\_\_\_\_~~  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Galen Roach

GALEN ROACH

PRINTED NAME

# ALLIED CEMENTING CO., INC.

31180

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge

DATE <u>7/29/07</u>	SEC. <u>31</u>	TWP. <u>33S</u>	RANGE <u>20W</u>	CALLED OUT <u>9:00p.m.</u>	ON LOCATION <u>12:00AM</u>	JOB START <u>6:00AM</u>	JOB FINISH <u>7:00AM</u>
LEASE <u>Dennison</u>		WELL # <u>21-16</u>	LOCATION <u>Protection, No. 2 1/2 W, 4 1/2 S,</u>		COUNTY <u>Comanche</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)			<u>1/4 W, North into</u>				

CONTRACTOR Duke 7  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 5445  
 CASING SIZE 5 1/2 DEPTH 5435  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1150 MINIMUM -  
 MEAS. LINE SHOE JOINT 42'  
 CEMENT LEFT IN CSG. 42'  
 PERFS.  
 DISPLACEMENT 128 lbs 2% KCl H2O

OWNER Ares Energy LTD.

CEMENT  
 AMOUNT ORDERED 255x60' 40' lb  
125xH 10% Cyp 10% Salt 16# KCl Seal +  
.6% of 1-160 500 gal mud clean  
Clap 10-13 gal

COMMON	<u>15</u>	<u>A</u>	@	<u>11.10</u>	<u>166.50</u>
POZMIX	<u>10</u>		@	<u>6.20</u>	<u>62.00</u>
GEL	<u>1</u>		@	<u>16.65</u>	<u>16.65</u>
CHLORIDE			@		
<del>125</del> <u>H</u>			@	<u>13.40</u>	<u>1675.00</u>
<u>Kol Seal</u>	<u>750</u>		@	<u>.70</u>	<u>525.00</u>
<u>FL-160</u>	<u>71</u>		@	<u>10.65</u>	<u>756.15</u>
<u>Mud Clean</u>	<u>500 gal</u>		@	<u>1.00</u>	<u>500.00</u>
<u>Salt</u>	<u>14</u>		@	<u>9.60</u>	<u>134.40</u>
<u>Clap Pro</u>	<u>13 gal</u>		@	<u>25.00</u>	<u>325.00</u>
			@		
			@		
			@		
HANDLING	<u>182</u>		@	<u>1.90</u>	<u>345.80</u>
MILEAGE	<u>70 x 182 x .09</u>				<u>1146.60</u>
					TOTAL <u>5653.11</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mark Coley  
 # 352 HELPER Clint W.  
 BULK TRUCK  
 # 36Y DRIVER Randy P.  
 BULK TRUCK  
 # DRIVER

REMARKS:

pipe on bottom, break KCl. Pump 500 gal mud clean, plug part hole from use w/ 255x60' 40' lb. mix 125xH 10% Cyp + 10% salt + 6# KCl Seal + .6% of 1-160. Stop wash pump lines, release disp w/ 2% KCl H2O @ 6:00pm. Seal lift, slow rate large plug 700 over @ 128 lbs. release float old hold

CHARGE TO: Ares Energy LTD.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB 5435'  
 PUMP TRUCK CHARGE 1840.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 70 @ 6.00 420.00  
 MANIFOLD Head Rental @ 100.00 100.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 RECEIVED  
 KANSAS CORPORATION COMMISSION  
 NOV 19 2007  
 TOTAL 2360.01

CONSERVATION DIVISION  
 RICHARD & SONS FLOAT EQUIPMENT

NOA E

ANY APPLICABLE TAX  
 WILL BE CHARGED  
 UPON INVOICING TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE [Crossed out]  
 DISCOUNT [Crossed out] IF PAID IN 30 DAYS  
 SIGNATURE [Signature]  
 PRINTED NAME \_\_\_\_\_



**LEASE/WELL** Dennison 31 - 16  
**LOCATION** SE/SE Sec 31, T33S - R20W  
**LOCATION** 660' FSL & 660' FEL; X = 1700748, Y = 167186  
**COUNTY/STATE** Comanche Co., KS  
**FIELD** Wildcat  
**API #** 15-033-21494-0000  
**AFE #** D7003  
**DESCRIPTION** Drill & Complete - Mississippian Test

**Elevation** 1,774'  
**KB** 1,784'

07. WOC. Mud properties: Native mud, MW 9.3 ppg, Vis 38 sec/qt, LCM 8.0#.

DC: \$ 27,500 CC: \$ 60,600

7-22-07 **7:00 AM @ 1,670' - Drlg.** Progress 682' to 1,670' (988'). WOC. Drill out from under surface @ 11:30 AM. Dev of 1/2° @ 1,294'. Drlg. Mud properties: Native mud, MW 9.4 ppg, Vis 28.8 sec/qt, LCM 4.0#.  
DC: \$ 20,000 CC: \$ 80,600

7-23-07 **7:00 AM @ 2,519' - Drlg.** Progress 1,670' to 2,519' (849'). Drlg. Dev of 1/2° @ 1,891'. Drlg. Dev of 1° @ 2,143'. Drlg. Mud properties: Native mud, MW 9.9 ppg, Vis 29 sec/qt, pH 7.0, CL 195,000 ppm, LCM 4.0#.  
DC: \$ 17,300 CC: \$ 97,900

7-24-07 **7:00 AM @ 3,370' - Drlg.** Progress 2,519' to 3,370' (851'). Drlg. Dev of 3/4° @ 2,831'. Drlg. MIRU Geodynamic Well Logging. 1st Displacement @ 2,707'. Mud properties: Native mud, MW 9.2 ppg, Vis 34 sec/qt, LCM 1.0#.  
DC: \$ 18,300 CC: \$ 116,200

7-25-07 **7:00 AM @ 4,260' - Drlg.** Progress 3,370' to 4,260' (890'). Drlg. Dev of 3/4° @ 3,461'. Drlg. Dev of 1-1/4° @ 4,025'. 2nd Displacement @ 3,712'. Drlg. Mud properties: MW 8.8 ppg, Vis 46.0 sec/qt, LCM 2.0#.  
DC: \$ 19,100 CC: \$ 135,300

7-26-07 **7:00 AM @ 4,900' - Drlg.** Progress 4,260' to 4,900' (640'). Trip bit @ 4,900' Dev of 3/4° @ 4,308'. Drlg. Mud properties: MW 9.1 ppg, Vis 46.0 sec/qt, LCM 2.0#, pH 10.0, WL 8.8 in<sup>3</sup>, CL 4,000 ppm.  
DC: \$ 14,800 CC: \$ 150,100

Tops from Mud Logger

Lansing	4,402' (-2,618), 16' low to prog
Lansing "B"	4,459' (-2,675), 19' low to prog
Drum	4,652' (-2,868), 30' low to prog
Stark	4,824' (-3,040), 40' low to prog
Swope	4,831' (-3,047), 31' low to prog

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CONSERVATION DIVISION  
 WICHITA, KS

**LEASE/WELL** Dennison 31 - 16  
**LOCATION** SE/SE Sec 31, T33S - R20W  
**LOCATION** 660' FSL & 660' FEL; X = 1700748, Y = 167186  
**COUNTY/STATE** Comanche Co., KS  
**FIELD** Wildcat  
**API #** 15-033-21494-0000  
**AFE #** D7003  
**DESCRIPTION** Drill & Complete - Mississippian Test

**Elevation** 1,774'  
**KB** 1,784'

7-27-07 **7:00 AM @ 5,125' - Drlg.** Progress 4,900' to 5,125' (225'). Drlg. Mud properties: MW 9.1 ppg, Vis 50.0 sec/qt, LCM 4.0#, pH 10.0, WL 8.8 in<sup>3</sup>, CL 5,500 ppm.  
 DC: \$ 7,000 CC: \$ 157,100

Tops from Mud Logger

Marmaton	4,950' (-3,166), 31' high to prog (logger pick not valid)
Marmaton	5,010' (-3,226), 29' low to prog (revised top)
Pawnee	5,049' (-3,265), 24' low to prog
Ft. Scott	5,093' (-3,309), 28' low to prog
Cherokee Shale	5,106' (-3,322), 26' low to prog

7-28-07 **7:00 AM @ 5,395' - Drlg.** Progress 5,125' to 5,395' (270'). Drlg. Mud properties: MW 9.3 ppg, Vis 49.0 sec/qt, LCM 5.0#, pH 10.0, WL 8.8 in<sup>3</sup>, CL 6,000 ppm.  
 DC: \$ 6,500 CC: \$ 163,600

Tops from Mud Logger

Inola	5,200' (-3,416), 20' low to prog
Morrow	5,216' (-3,432), 26' low to prog
Mississippian	5,242' (-3,458), 8' high to prog

7-29-07 **7:00 AM @ 5,435' - TOH w/DP & tools.** Progress 5,395' to 5,435' (40'). Drlg. CTCH 1hr. Short trip to 4,860' CTCH 1 hr. TOH w/DP. RU Log-Tech. Run open hole logs (Dual Induction log w/GR/SP Dual Compensated Neutron Litho-Density log w/GR/CAL, Microresistivity log w/GR/CAL, Compensated Sonic log w/GR/Cal). TOH w/logs. RU Trilobite Testing. TIH w/DP & test tools. Attempt to straddle test Morrow & Mississippian from 5,210' to 5,340', could not get pkr to hold. TOH w/DP & test tools. Mud properties: MW 9.3 ppg, Vis 49.0 sec/qt, LCM 5.0#, pH 10.0, WL 8.8 in<sup>3</sup>, CL 6,000 ppm.  
 DC: \$ 21,400 CC: \$ 185,000

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NOV 19 2007

CONSERVATION DIVISION  
 WICHITA, KS

**LEASE/WELL** Dennison 31 - 16  
**LOCATION** SE/SE Sec 31, T33S – R20W  
**LOCATION** 660' FSL & 660' FEL; X = 1700748, Y = 167186  
**COUNTY/STATE** Comanche Co., KS  
**FIELD** Wildcat  
**API #** 15-033-21494-0000  
**AFE #** D7003  
**DESCRIPTION** Drill & Complete – Mississippian Test

**Elevation** 1,774'  
**KB** 1,784'

Formation Tops from Open Hole Logs

B/Heebner	4,221' (-2,437), 21' low to prog
Lansing	4,401' (-2,617), 15' low to prog
Lansing "B"	4,456' (-2,672), 16' low to prog
Drum	4,641' (-2,857), 19' low to prog
Stark	4,808' (-3,024), 24' low to prog
Swope	4,824' (-3,040), 24' low to prog
Marmaton	5,004' (-3,220), 23' low to prog
Pawnee	5,050' (-3,266), 25' low to prog
Ft. Scott	5,090' (-3,306), 25' low to prog
Cherokee Shale	5,105' (-3,321), 25' low to prog
Inola	5,204' (-3,420), 24' low to prog
Morrow	5,214' (-3,430), 24' low to prog
Mississippi	5,260' (-3,476), 10' low to prog

**Comments:** Based upon open hole logs, the Morrow came in @ 5,214' (-3,432), 24' low to prognosis and 8' low to the Selzer 1-31 Morrow completion. A Morrow porosity section from 5,242' – 52' was present showing >10% average porosity,  $S_w$  @ ~ 20%, and good micro-log cross-over. Logs showed the Mississippi top @ 5,260' (-3,476), 10' low to prognosis. The Mississippian Chester is present @ 5,310' – 28' with average 8% porosity,  $S_w$  @ ~ 50%, and good micro-log cross-over. Decision to run DST to straddle test both Morrow & Mississippian (Chester). Test packers would not hold. No competent hole section was identified to set test packers following initial DST attempt. Discussed alternatives with WI partners and made decision to run pipe.

7-30-07 **7:00 AM @ 5,435' – Cmt 5-1/2" Csg.** Finish TOH w/DP & test tools. WOO. TIH w/DP & bit to 5,435'. CTCH 1-1/2 hrs. RU Superior Casing. TOH w/drill pipe, LDDP. Nipple down BOP. Backed off 8-5/8" collar on surface, could not break off BOP flange had to replace collar. RU to run csg. Ran 128 jts new 5-1/2" 15.5# R-3 LTC 8rd Midwestern Pipeworks Limited Svc Csg. Tallied 5,435.37', set @ 5,434' KB. Ran float shoe @ 5,434', latch down baffle @ 5,391', turbolizers @ 5,391', 5,349', 5,306', 5,264', 5,221', 5,178', 5,050' & 4,922'. CTCH 1 hr. RU Allied Cementing Co. Inc. Cmt w/5 bbl wtr spacer, 500 gal mud flush, 5 bbl wtr spacer &

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LEASE/WELL DENNISON 31 - 16  
LOCATION SE/SE Sec 31, T33S - R20W  
LOCATION 660' FSL & 660' FEL; X = 1700748, Y = 167186  
COUNTY/STATE Comanche Co., KS  
FIELD Wildcat  
API # 15-033-21494-0000  
AFE # D7003  
DESCRIPTION Drill & Complete - Mississippian Test

Elevation 1,774'  
KB 1,784'

125 sx class-H w/10% gyp-seal, 10% salt, 6# kol-seal, 0.6% FL-160. Full returns on displacement. Displacement w/2% KCL wtr. Landed plug @ 1,150#, latch down held. Plug down @ 6:45 AM, 7-30-07.  
DC: \$ 58,300 CC: \$ 243,300

7-31-07 7:00 AM @ 5,435' - Release Rig. Plugged mouse hole w/10 sx 60/40 poz cmt & rat hole w/15 sx 60/40 poz cmt. RD Allied Cementing Co. Inc. Jetted pits. Set slips. Released rig @ 9:30 AM, 7-30-07.  
DC: \$ 3,000 CC: \$ 246,300

\*\*\*\*\*Final Report\*\*\*\*\*



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### Daily Completion Report

8-3-07 MIRU Log-Tech. Ran CBL off portable mast, TOC @ 4,677', PBTD 5,382', good bond throughout.  
DC: \$ 2,100 CC: \$ 2,100 TWC: \$ 248,400

8-9-07 Had B&R roustabouts MI swab tank.  
DC: \$ 300 CC: \$ 2,400 TWC: \$ 248,700

8-13-07 MI Landmark BOP.  
DC: \$ 700 CC: \$ 3,100 TWC: \$ 249,400

8-14-07 MIRU Leiker Well Svc Rig # 1 DD. Ran sandpump & cleanout to hard bottom. Rec ~ 2 cups cement & mud. Swab csg down to 1,700'. MI L&L Backhoe Svc. RIH 5,460' of 2-3/8 tbg off float, from Midwestern pipe. TOH w/tbg & stand back in derrick. SDFN. LTR = 86 bbls.  
DC: \$ 13,100 CC: \$ 16,200 TWC: \$ 262,500

8-15-07 MIRU Log-Tech. Depth correlate to bond log. Perf Mississippi (Chester) 5,310' - 5,316' (6'), 4" expendable HSC, 4 jspf, extra shot on bottom. No blow. TIH w/pkr & 2-3/8 tbg. Set pkr @ 5,280'. Load backside w/32 bbls 2% KCL. RU flow line to swab tank. RIH w/swab. Tag fluid @ 1,700'. Swab 13.85 bbls. No blow. Leave open to tank overnight. SDFN. LTR = 104 bbls.  
DC: \$ 8,050 CC: \$ 24,250 TWC: \$ 270,550

8-16-07 RIH w/swab. Tag fluid @ 4,780'. ONFU 500'. Swab down tbg. MIRU Allied Acid. Ac Mississippi (Chester) 5,310' - 5,316' w/1,000 gal 15% MCA, 3 gal cla-sta. Spotted acid to perms & let soak. Staged to 300# @

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0.25 BPM. Pressure broke back to 200#. Increased rate to 1-1/4 BPM @ 350#, finished 2 BPM @ 400#. ISIP 250#, on vacuum in 5 min. Total acid load 45 bbls (24 bbls acid & 21 bbls 2% cla-fix flush). Swab back 36 bbls. Not getting any blow on tbg. Left well open to tank. SDFN. LTR = 113 bbls.

DC: \$ 5,500      CC: \$ 29,750      TWC: \$ 276,050

**8-17-07** RIH w/swab. Tag fluid @ 3,200', ONFU 2,080'. No blow on tbg. Swab tbg down as follows:

time	fluid bbl	cum fluid bbl	oil cut %	Comments
8:30 am				start swab
9:30 am	11.60	11.60		swab down
10:30 am	0	0		1 hr test, 1 pull, dry

Retreat Mississippi (Chester) 5,310' - 5,316' w/2,000 gal 15% MCA, 6 gal cla-sta. Pumped acid to top of perfs @ 200#. Acid on perfs, 2 BPM @ 400#, increased to 4 BPM @ 975#. Drop 40 biodegradable ball sealers, increase rate to 5 BPM @ 1500#. Had slight ball action, treated 5 BPM @ 1,475#. ISIP 250#, on vacuum in 3 min. Total acid load 69 bbls (48 bbls acid & 21 bbls 2% cla-fix flush). Swab back 51 bbls. No blow. SDFN. LTR = 120 bbls.

DC: \$ 7,000      CC: \$ 36,750      TWC: \$ 283,050

**8-18-07** RIH w/swab. Tag fluid @ 3,400', ONFU 1,800'. Swab tbg as follows:

Time	fluid bbl	cum fluid bbl	oil cut %	Comments
8:15 am				start swab
9:15 am	13.92	13.92		swab down
10:15 am	1.74	15.66		1 hr test, 1 pull
11:15 am	1.74	17.40		1 hr test, 1 pull
12:15 pm	1.16	18.56		1 hr test, 1 pull

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Rec 18 bbl. SDFWE. LTR = 101 bbls.  
 DC: \$ 1,200      CC: \$ 37,950      TWC: \$ 284,250

**8-20-07** SI 400# tbg. RIH w/swab. Tag fluid @ 3,200', OWEFU 2,000'. Release tools. TOH w/tbg. MI Log-Tech. Tag fluid @ 1,700'. Perf Morrow 5,242' - 5,252' (10'), 4" expendable HSC, 4 jspf. No blow. TIH w/RBP, pkr & 2-3/8" tbg. Straddle Morrow, set RBP @ 5,296' & pkr @ 5,184'. RU flow line to swab tank. RIH w/swab. Tag fluid @ 2,700'. Swab tbg to 3,700' (3<sup>rd</sup> run) & well kicked off flowing. Flow back 84.10 bbls in 2.5 hrs on 2" @ 92#. SI tbg. SDFN. LTR = 17 bbls.  
 DC: \$ 8,500      CC: \$ 46,450      TWC: \$ 292,750

**8-21-07** SI tbg 1,050 #. Open well & flowed to tank as follows.

time	fluid bbl	cum fluid bbl	gas rate mcf	Comments
9:30 am				open well tbg press 1,050#
10:30 am	0	0		choke set on 32/64, tbg press 400#
11:30 am	0	0	700	choke set on 32/64, tbg press 500#
12:30 pm	0	0	725	choke set on 32/64, tbg press 550#
1:30 pm	1.16	1.16	750	choke set on 32/64, tbg press 550#
2:30 pm	0	1.16	750	choke set on 32/64, tbg press 550#
3:30 pm	1.16	2.32	750	choke set on 32/64, tbg press 550#
4:30 pm	0	2.32	750	choke set on 32/64, tbg press 550#

SI tbg. Tbg press 1,000#. Rec 2.32 SDFN. LTR = 15 bbls.  
 DC: \$ 2,100      CC: \$ 48,550      TWC: \$ 294,850

**8-22-07** SI tbg 1,000#. MIRU Allied Acid. Ac Morrow 5,242' - 5,252' w/500 gal 7.5% HCL NEFe w/20% methonal & 1.5 gal cla-sta. Pumped acid to perms. Started treating 0.25 BPM @ 50#, finished treating 3/4 BPM @ 60#, ISIP vac. Total acid load 34 bbl (12 bbl acid & 22 bbls 2% cla-fix flush). TOH w/RBP, pkr & tbg. TIH w/production string as follows:

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		set @
2-3/8" EUE top slotted ma	15.23'	5266.32'
new 2-3/8"x 1-25/32" 8rd SN	1.10'	5251.09'
5 new 2-3/8" jt 2-3/8" EUE 8rd tbg	157.52'	5249.99'
2-3/8"x 5-1/2" tbg anchor 40k shear	2.82'	5092.47'
159 jts new 2-3/8" EUE 8rd tbg	5081.65'	5089.65'
	-----	
	5258.32'	
zero adj (10' KB)	8.00'	
	-----	
	5266.32"	

RIH w/swab. Tag fluid @ 2,800'. Swab fluid to 4,900' (9th run), well started flowing. Flow back 87 bbls @ 170# tbg/100# csg. Flow back fluid very dirty w/mud solids, LCM material. SI tbg. SDFN. LTR = 38 bbls over load.

DC: \$ 7,300      CC: \$ 55,850      TWC: \$ 302,150

**8-23-07** RIH w/swab. Tag fluid @ 2,500', ONFU 2766'. Swab to 4,000' (3<sup>rd</sup> pull), well kicked off. Flowed well to tanks on 32/64" w/380# FTP. Flowed 30.16 bbls in 3 hrs, with 1.5 bbls fluid in last hr. Opened choke to 48/64" w/FTP @ 340#. No additional fluid recovery. SI well. RD & release Leiker Well Svc Rig # 1 DD. LTR = 68 bbls over load. Wait on Pipeline.  
 DC: \$ 1,500      CC: \$ 57,350      TWC: \$ 303,650