

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 3060
Name: JACK EXPLORATION, INC.
Address: P.O. BOX 1279
City/State/Zip: SULPHUR, OK 73086
Purchaser: _____
Operator Contact Person: CLAYTON C. JACK
Phone: (580) 622-2310
Contractor: Name: DUKE DRILLING CO., INC.
License: 5929
Wellsite Geologist: MIKE POLLOK

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. _____

<u>01-23-2005</u>	<u>01-31-05</u>	<u>02-28-2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-22849-00-00
County: BARBER COUNTY, KANSAS *Appx. 70'W & 20'S of C*
Appx. 70'W 20'S - SW Sec. 33 Twp. 34 S. R. 14 East West
1300 feet from S / N (circle one) Line of Section
1250 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: BENSON Well #: 1-33
Field Name: AETNA GAS AREA
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1550' Kelly Bushing: 1563'
Total Depth: 5015' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 248 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 *OKI KJR 3/5/08*
(Data must be collected from the Reserve File)
Chloride content 9800 ppm Fluid volume 320 bbls
Dewatering method used HAUL OFF
Location of fluid disposal if hauled offsite: _____
Operator Name: OIL PRODUCERS, INC. OF KANSAS
Lease Name: MAY #1-13 SWD License No.: 8061
Quarter NW Sec. 13 Twp. 35 S. R. 16 East West
County: COMANCHE Docket No.: 2772 tk: #50220

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: Clayton C. Jack
Title: PRESIDENT Date: 03-16-2005
Subscribed and sworn to before me this 16th day of March,
2005.
Notary Public: Kelly Aaron
Date Commission Expires: 3-12-2006

KCC Office Use ONLY
NO Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

 **KELLY AARON**
Murray County
Notary Public in and for
State of Oklahoma
Commission # 02003670 Expires 3/12/06

✓

X

Operator Name: JACK EXPLORATION, INC. Lease Name: BENSON Well #: 1-33
 Sec. 33 Twp. 34 S. R. 14 East West County: BARBER COUNTY, KANSAS

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 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 <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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	14 3/4"	10 3/4"	32.75#	248'	CLASS A	220	2%CC 2%GEL
PRODUCTION	7 7/8"	4 1/2"	10.60#	5015'	ASC	250	

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				

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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumerd Production, SWD or Enhr.			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	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) _____

ALLIED CEMENTING CO., INC. 17765

ORIGINAL

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

SERVICE POINT: Medicine Lodge, KS

DATE <u>2-1-05</u>	SEC. <u>33</u>	TWP. <u>34S</u>	RANGE <u>14W</u>	CALLED OUT <u>12:00 P.M.</u>	ON LOCATION <u>2:00 P.M.</u>	JOB START <u>6:00 P.M.</u>	JOB FINISH <u>7:00 P.M.</u>
LEASE <u>Benson</u>		WELL# <u>1-33</u>	LOCATION <u>HardTrac 11W 3N</u>		COUNTY <u>Darwin</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>E/INTO</u>				

CONTRACTOR Duke #9
 TYPE OF JOB long string
 HOLE SIZE 7 7/8 T.D. 5015
 CASING SIZE 4 1/2 DEPTH 5017
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 5015
 TOOL _____ DEPTH _____
 PRES. MAX 800 PSI MINIMUM 100 PSI
 MEAS. LINE _____ SHOE JOINT 21 FT
 CEMENT LEFT IN CSG. 21 FT
 PERFS. _____
 DISPLACEMENT Fresh Water 79 BBLs

OWNER Jack Exploration
 CEMENT
 AMOUNT ORDERED 250 SX "H" ASC + 5# Kol-seal + 1/4# Flo-seal
 COMMON 250 @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC 250 H @ 11.80 2950.00
Flo Seal 63 @ 1.60 100.80
Kol Seal 1250 @ .60 750.00
 HANDLING 321 @ 1.50 481.50
 MILEAGE 30 x 321 x .055 529.80
 TOTAL 4812.10

EQUIPMENT
 PUMP TRUCK CEMENTER David W.
 # 372 HELPER Darin F.
 BULK TRUCK
 # 381 DRIVER David F.
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Pipe on bottom Break like pump
50 SX ASC + 5# Kol-seal + 1/4# Flo-seal
Pump 200 SX ASC + 5# Kol-seal + 1/4#
Flo-seal shot down wash pump lines
Displace w/ Fresh Water slow Rate
Bump Plug Float Did Hold.
Washup Rig Down.

SERVICE

DEPTH OF JOB 5017
 PUMP TRUCK CHARGE _____ 1440.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 30 @ 4.50 135.00
 TOTAL 1575.00

CHARGE TO: Jack Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

4 1/2
 MANIFOLD _____ @ _____
1-AFU Float Shoe @ 200.00 200.00
1-latch Down Plug @ 300.00 300.00
3-Centralizers, @ 45.00 135.00
2-Spiralizers, @ 237.00 474.00
Head Rental @ 75.00 75.00
 TOTAL 1184.00

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 Alan Watson PRINTED NAME Alan Watson

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC. 18355

ORIGINAL

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

SERVICE POINT: Mod Lodge

DATE <u>1-23-05</u>	SEC. <u>33</u>	TWP. <u>34s</u>	RANGE <u>14W</u>	CALLED OUT <u>12:00pm</u>	ON LOCATION <u>3:00pm</u>	JOB START <u>9:30am</u>	JOB FINISH <u>10:00pm</u>
LEAS <u>Benson</u>		WELL # <u>1-33</u>	LOCATION <u>Hardtner 11w to</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			LOCATION <u>Prarie dog Rd 3a E into</u>				

CONTRACTOR Duke #9

TYPE OF JOB 10 3/4

HOLE SIZE 14 3/4 T.D. 248

CASING SIZE 10 3/4 DEPTH 248

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 300 MINIMUM 250

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 ft

PERFS. _____

DISPLACEMENT 23 bbls water

EQUIPMENT

OWNER Jack Exploration

CEMENT

AMOUNT ORDERED 220 sac A 22cc

12 Am Chlor + 1/4 # flo seal

COMMON <u>A 220</u>	@ <u>8.30</u>	<u>1826.00</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE <u>5</u>	@ <u>36.00</u>	<u>180.00</u>
ASC _____	@ _____	_____
<u>AM. CHLORIDE 4</u>	@ <u>31.50</u>	<u>126.00</u>
<u>FLO-SEAL 55*</u>	@ <u>1.60</u>	<u>88.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>231</u>	@ <u>1.50</u>	<u>346.50</u>
MILEAGE <u>231 x 30</u>		<u>381.30</u>
		<u>TOTAL 2947.80</u>

PUMP TRUCK CEMENTER _____

343 HELPER Bill

BULK TRUCK _____

363 DRIVER Larry J

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

Pipe on bottom break circulation
plump 2 fresh 220 sac cement
shut down pumps release
plug and start displacement
pump 23 bbls and shut in
cement did circulate

SERVICE

DEPTH OF JOB <u>248</u>		
PUMP TRUCK CHARGE _____		<u>625.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>30</u>	@ <u>4.50</u>	<u>135.00</u>
<u>WEDD RENTAL</u>	@ <u>75.00</u>	<u>75.00</u>
_____	@ _____	_____
_____	@ _____	_____
		<u>TOTAL 835.00</u>

CHARGE TO: Jack Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

MANIFOLD _____	@ _____	_____
<u>1-10 3/4 wooden plug</u>	@ <u>55.00</u>	<u>55.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
		<u>TOTAL 55.00</u>

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 835.00

DISCOUNT _____ IF PAID IN 30 DAYS

x Alan Watson

PRINTED NAME

SIGNATURE Alan Watson

Thank you Alan.

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



**GEOLOGICAL REPORT
BENSON 1-33
NW/4 SECTION 33 – T34S – R14W
BARBER COUNTY, KANSAS**

COPY

SUMMARY

The above captioned well was drilled to a total depth of 5,015 feet on January 31, 2005. A mud-logging unit was on location from approximately 3,500 feet to TD recording gas, with one-man mud-logging beginning at 3,700 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,600 feet to TD. At TD, Reeves wire-line logs were run that consisted of Array Induction, Density-Neutron Porosity and Micro-log. After all data was analyzed, the decision was made to set casing and attempt completion in the Mississippian Dolomites.

MISSISSIPPIAN

The Mississippian Detrital was cut at 4,797 (-3244) feet. A slight four-foot drilling break was observed along with an 83-unit gas kick from the gas chromatograph. Samples were few, but consisted of cherts, multicolored shales and some dolomite pieces. Electric logs indicate a four-foot zone of 14% porosity that should be productive but "tight".

The top of the Mississippian unconformity was topped at 4,806 (-3253) feet. A sixteen-foot drilling break was cut with a 386-unit gas kick recorded from the gas chromatograph. Samples were described as light brown to brown intercrystalline dolomite with some pin-point and vugular porosity through a sucrosic matrix. A bright yellow fluorescence with excellent streaming cut, live oil staining and good oil odor was observed. Electric logs indicate a sixteen-foot zone of 17% cross-plot porosity that calculates productive. This total interval had excellent positive micro-log separation indicating good permeability throughout. Below this zone were approximately five good gas kicks averaging 160-units that were recorded on the gas chromatograph. These intervals were all ten to fifteen feet thick, with the base of them being at approximately 4,900 feet. These dolomites all had similar sample shows and porosities on average of 13% cross-plot. There is approximately 100 feet of potential pay.

ORIGINAL

ELECTRIC LOG TOPS

	JACK BENSON 1-33 SW/4 33-T34S-R14W	JACK BENSON 1-4 NW/4 4-T35S-R14W	CITIES EWB RANCH 1-A NW NE SW 33-T34S-R14W
CHASE (subsea)	2073 (-520)	2075 (-531)	2105 (-520)
TOP PENN. (subsea)	3016 (-1463)	3025 (-1481)	3050 (-1465)
BS. HEEBNER (subsea)	3973 (-2420)	3996 (-2452)	4012 (-2427)
LANSING (subsea)	4159 (-2606)	4172 (-2628)	4195 (-2610)
STARK SH. (subsea)	4583 (-3030)	4598 (-3054)	4618 (-3033)
CHEROKEE SH. (subsea)	4780 (-3227)	4800 (-3256)	4812 (-3227)
MISS. UNCON. (subsea)	4806 (-3253)	4834 (-3290)	4842 (-3257)

RECEIVED
KANSAS STATE GEOLOGICAL SURVEY
FEB 21 2005
CORRELATION SECTION

CONCLUSION

The Benson 1-33 was drilled as a northern extension well for Mississippian sediments. The well seems to have approximately 100 feet of potential pay from dolomites within the Mississippian.

After all data was analyzed, the decision was made to set casing and attempt completion in the Mississippian Dolomites.

Respectfully submitted



Mike Pollok
Petroleum Geologist
02/21/05