

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

API NO. 15- 033-21,032-00 **ORIGINAL**  
County Comanche  
240 S of C - SE - SE Sec. 17 Twp. 31 Rge. 19 X W

Operator: License # 30407

Name: Black Petroleum Company

Address P. O. Box 12922

City/State/Zip Wichita, KS 67277-2922

Purchaser: \_\_\_\_\_

Operator Contact Person: Thomas E. Black

Phone (316) 729-8220

Contractor: Name: Pickrell Drilling Co.

License: 5123

Wellsite Geologist: Jon T. Williams

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

9-8-99 9-22-99 10-14-99  
Spud Date Date Reached TD Completion Date

420 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:  
NE, (SE), NW or SW (circle one)

Lease Name Swayze Well # 1 Twin

Field Name Wildcat

Producing Formation \_\_\_\_\_

Elevation: Ground 2166' KB 2171'

Total Depth 5258' PBTD 5032'

Amount of Surface Pipe Set and Cemented at 679' 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 Att. 1, 12-27-99 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 8,000 ppm Fluid volume 120 bbls

Dewatering method used Hauled away excess

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Star Resources, LLC

Lease Name Currier #2-9 License No. 32389

Quarter 20 Sec. 32 Twp. 31 S Rng. 18 E/W

County Comanche Docket No. D-27668

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

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

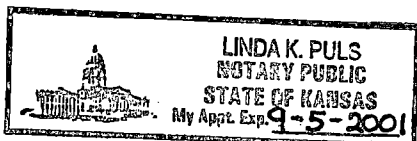
Signature Thomas E. Black  
Title President Date 11-26-99

Subscribed and sworn to before me this 2 day of DECEMBER, 1999.

Notary Public Linda K. Puls

Date Commission Expires 9-5-2001

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



KANSAS CORPORATION COMMISSION Form ACO-1 (7-91)

DEC 07 1999  
12-07-1999  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name Black Petroleum Company Lease Name Swayze Well # 1 Twin

Sec. 17 Twp. 31 Rge. 19  East  West  
 County Comanche

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run: Dual Induction Log  
 Dual Compensated Porosity  
 Microresistivity  
 Sonic Cement Bond

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 See attached "Daily Report"

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		13 3/8"	54.50	302'	lite	150	3% CC;14#FS
Surface	12 1/4"	8 5/8"	24	679'	lite	185	3% CC;14#FS
Production	7 7/8"	5 1/2"	14	5247'	Class A	125	

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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	2	5158-62' & 5170-74'		900 gal. 15% MCA
2	5041-49' (B.P.@5097')		1,000 gal. 15% MCA	
2	4998-5002' (B.P.@5032')		500 gal. 15% MCA	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		none			
Date of First, Resumed Production, SWD or Inj.			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: **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) temporarily abandoned

# ALLIED CEMENTING CO., INC. 2715

Federal Tax I.D.#

ORIGINAL

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

SERVICE POINT:  
med. ledge

DATE <u>9-22-99</u>	SEC. <u>17</u>	TWP. <u>31</u>	RANGE <u>14</u>	CALLED OUT <u>3:00 P.M.</u>	ON LOCATION <u>8:00 P.M.</u>	JOB START <u>12:00 A.M.</u>	JOB FINISH <u>1:30 A.M.</u>
LEASE <u>Swayze</u> WELL # <u>1</u>			LOCATION <u>Wilmore RD + 183rd St</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			46-147-615				

09/23/99 07:30 FAX 316 262 0893

PICKRELL DRILLING

001

ORIGINAL

## PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205  
WICHITA, KANSAS 67202-1996  
(316) 262-8427

#1 Swayze "Twin"  
240' S. of C SE SE  
Section 17-31S-19W  
Comanche County, Kansas  
Operator: Black Petroleum

API#: 15-033-21,032-0000  
420' From South Line of Section  
660' From East Line of Section  
ELEV: 2171' KB, 2169' DF, 2166' GL  
Contractor: Pickrell Drilling Co. Inc. R-1

**TIGHT HOLE - PLEASE KEEP ALL INFORMATION CONFIDENTIAL**

- Per operator on 3/22/00 this is not confidential SA.*
- 9-08-99: Will finish new location and set conductor csg today.
  - 9-09-99: Unable to get conductor pipe set yesterday. Will set conductor pipe today and RURT tomorrow (9/10).
  - 9-10-99: (On 9-9) Set 80' of 20" conductor casing. (On 9-10) RURT & Spud today.
  - 9-13-99: (On 9-10) Spud @ 1:00 PM. Drilled 17 1/2" hole to 320'. Ran 7 jts. of 13 3/8" 54.50# set @ 302', cmt w/150sx of lite, 3% CC w/1/4# FS/sx, followed by 100sx Class A, 2% gel, 3% CC. PD @ 5:00 AM on 9-11-99. Allied Ticket # 2664. Survey @ 320' was 1/4 degree. Drilled 12 1/4" hole to 684'. Set 16 jts. of New 8 5/8" 24# Csg. set @ 679', cmt w/185sx of lite, 3% CC, w/1/4# FS/sx, followed by 100sx of Class A, 2% gel, 3% CC. Cmt circ. PD @ 8:15 PM on 9-11-99. Allied Ticket #2665. (On 9-12) Drlg. @ 684'. (On 9-13) Drlg. @ 1920'.
  - 9-14-99: Drlg. @ 2665'.
  - 9-15-99: Drlg. @ 3255'.
  - 9-16-99: Drlg. @ 3785'.
  - 9-17-99: Drlg. @ 4275'.
  - 9-20-99: (On 9-18) Drlg. @ 4715'. (On 9-19) Circ. @ 5040'. Show of oil and 12 unit gas kick in Altamont. DST #1 4951-5040', packer failure. DST #2 4955-5040', packer failure, pulled out of hole, left packers and anchor in hole. (On 9-20) Fishing for testing tool @ 5040'. Note pipe strap within 1 foot of drillers measurements.
  - 9-21-99: Testing @ 5170'. 72-110 unit gas kick from 5137-70. DST #3 5143-5170, 30"-60"-60"-90", GTS 2 min., Ga: 270 MCF/5", 93.1 MCF/30", 2<sup>nd</sup> Op Ga: 101 MCF/15", 89 MCF/30", 85.9 MCF/45" & 81.8 MCF/60". Rec: 1 cup of mud ISIP 1519#, IFP 82-35#, FFP 47-35#, FSIP 1565#.
  - 9-22-99: RTD 5248'. Running E-Logs. LTD 5258'.
  - 9-23-99: (On 9-22) Set 129 jts. of Used 5 1/2" 14# Prod. Csg set @ 5247' KB, cmt w/125sx Class "A" cmt. PD @ 1:30 AM on 9-23-99. WOCT. Final Report

**SAMPLE TOPS**

Heebner	4291 (-2120)
Brown Lime	4465 (-2294)
Lansing	4483 (-2312)
Stark	4787 (-2616)
Base/Kansas City	4884 (-2713)
Marmaton	4947 (-2776)
Pawnee	5021 (-2850)
Cherokee Shale	5063 (-2892)
Detrital Mississippian	5137 (-2966)
Mississippian St. Louis	5162 (-2091)

**ELECTRIC LOG TOPS**

Elgin Zone	4144 (-1973)
Heebner	4298 (-2127)
Brown Lime	4474 (-2303)
Lansing	4489 (-2318)
Stark	4793 (-2621)
Base/Kansas City	4870 (-2699)
Marmaton	4956 (-2785)
Altamont	4983 (-2812)
Porosity	4998 (-2827)
Pawnee	5030 (-2859)
Cherokee	5072 (-2901)
Detrital Mississippian	5142 (-2971)
Mississippian St. Louis	5154 (-2983)
LTD	5258'

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 07 1999

CONSERVATION DIVISION  
WICHITA, KS

RTD 5248'

# 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 wilful 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.

2715  
**ORIGINAL**

Federal Tax I.D. #

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

SERVICE POINT:  
med. lodge

DATE <u>9-22-99</u>	SEC. <u>17</u>	TWP. <u>31</u>	RANGE <u>14</u>	CALLED OUT <u>3:00 P.M.</u>	ON LOCATION <u>8:00 P.M.</u>	JOB START <u>12:00 A.M.</u>	JOB FINISH <u>1:30 A.M.</u>
LEASE <u>SWAY 20</u>		WELL # <u>1</u>		LOCATION <u>Wilmore Rd + 183rd St</u>		COUNTY <u>Comanche</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)				<u>40-14n-415</u>			

CONTRACTOR Pickrell Drq.

TYPE OF JOB Prod. Csg.

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE 5 1/2 x 14 DEPTH 5248'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 1000 MINIMUM 200

MEAS. LINE \_\_\_\_\_ SHOE JOINT 33

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 130 Bbls Fresh H<sub>2</sub>O

OWNER Black Petroleum

CEMENT

AMOUNT ORDERED 500 Gals. med. clean

1255xs. CLASS A neat

COMMON	_____	@	_____
POZMIX	_____	@	_____
GEL	_____	@	_____
CHLORIDE	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
HANDLING	_____	@	_____
MILEAGE	_____	@	_____

**EQUIPMENT**

PUMP TRUCK CEMENTER Larry Dreding

#261-265 HELPER Carl Balding

BULK TRUCK

#301 DRIVER JD

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

Pipe on Bottom - Break Circ.  
Mix + Pump 500 gals. med. clean  
1255xs. CLASS A neat. Wash out  
Pump lines. Release Plug. Displace  
Plug w/ 130 Bbls. Fresh H<sub>2</sub>O. Bump Plug  
Release PSI. Float Held.

**SERVICE**

DEPTH OF JOB	<u>5253'</u>	_____
PUMP TRUCK CHARGE	_____	_____
EXTRA FOOTAGE	_____	@ _____
MILEAGE	_____	@ _____
PLUG <u>Rubber</u>	_____	@ _____
_____	_____	@ _____
_____	_____	@ _____

TOTAL \_\_\_\_\_

CHARGE TO: Black Petroleum

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

1-Req. Guide Shoe	_____	@	_____
1-AFU Insert	_____	@	_____
12-Scratchers Dec.	_____	@	_____
3-Centralizers	_____	@	_____
_____	_____	@	_____

TOTAL \_\_\_\_\_

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 Ronald Schraeder

X RONALD S. SCHRAEDER  
 PRINTED NAME

RECEIVED  
 KANSAS CORPORATION COMMISSION

DEC 07 1999

REGISTRATION DIVISION  
 WICHITA, KS

# GENERAL TERMS AND CONDITIONS

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(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.

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(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.



# CEMENTING LOG

# ORIGINAL

STAGE NO.

Date 9-22-99 District med lodge Ticket No. 2715  
 Company Black Pet Rig Pickrell  
 Lease SWAYZE Twin Well No. 1  
 County Comanche State KS  
 Location 183+W. Moore St Field 17-31-19  
4w-7417-6/5

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5/2 Type \_\_\_\_\_ Weight 14 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x hole  
 Open Hole: Size 7 7/8 T.D. 5248 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl. 40.98  
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5899  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE Ron

CEMENT DATA:  
 Spacer Type: 500 gals. mud-clean  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
neat Excess \_\_\_\_\_  
 Amt. 75 Sks Yield 1.17 ft<sup>3</sup>/sk Density 14.8 PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
neat Excess \_\_\_\_\_  
 Amt. 50 Sks Yield 1.17 ft<sup>3</sup>/sk Density 16.3 PPG \_\_\_\_\_

WATER: Lead 5.2 gals/sk Tail 5.2 gals/sk Total 10 Bbls.

Pump Trucks Used 265 CAN  
 Bulk Equip. 301 JD

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type Guide Shoe Depth \_\_\_\_\_  
 Float: Type AFD Insert Depth \_\_\_\_\_  
 Centralizers: Quantity 3 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 12 Perc. Scratchers  
 Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 130 Bbls. Weight 8.34 PPG  
 Mud Type Chemical Weight 9.1 PPG

CEMENTER Larry Dreiling

TIME (AM/PM)	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE (CASING)	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:00	300					Pipe on Bottom - Break Circ.
1:00	250		12		4 1/2	mix + Pump 500 gals. mud-clean
1:05	250		26		6	12.55 x 5 CLASS A neat
1:10	50		6		4 1/2	WASH out & dump lines Release Plug
1:13	100		20		6	start Fresh H <sub>2</sub> O Displace
	100		80		6	Steady Rate + PST
	100		89		6	mud clean turn shoe
	100		101		6	Cement turn shoe
	200		107		6	PST 1 ft Increase
	250		108		4	Decrease Rate
	450		122		3	Slow Rate
1:30	1000		130		3	Bump Plug Release PST Float Held

RECEIVED  
 NSAS CARBON  
 DIVISION  
 DEC 07 1999  
 CONCRETE  
 DIVISION

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU

Date 9-22-99 District Med Lodge Ticket No. 2715  
 Company BLACK PET Rig Pickrell  
 Lease SWAZE Twin Well No. 1  
 County Comanche State KS.  
 Location 183+winore Fct Field 17-31-19  
4w-7417-415

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5/2 Type \_\_\_\_\_ Weight 14 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x hole  
 Open Hole: Size 7 7/8 T.D. 5248 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl. 40.98  
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5849  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: SCOGAK. mud-clean  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
neat Excess \_\_\_\_\_  
 Amt. 75 Sks Yield 1.17 ft<sup>3</sup>/sk Density 14.8 PPG \_\_\_\_\_  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
neat Excess \_\_\_\_\_  
 Amt. 50 Sks Yield 1.17 ft<sup>3</sup>/sk Density 16.3 PPG \_\_\_\_\_  
 WATER: Lead 5.2 gals/sk Tail 5.2 gals/sk Total 16 Bbls.

Pump Trucks Used 265 CARL  
 Bulk Equip. 301 JD.

Floater Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type Guide Shoe Depth \_\_\_\_\_  
 Floater Type AFD Insert Depth \_\_\_\_\_  
 Centralizers: Quantity 3 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 12 Rec. Scratchers  
 Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 130 Bbls. Weight 8.34 PPG \_\_\_\_\_  
 Mud Type Chemical Weight 9.1 PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Ron

CEMENTER Larry Dreiling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:00	300					Pipe on Bottom - Break Circ.
1:00	250		12		4 1/2	mix + pump - SCOGAK. mud-clean
1:05	250		26		6	12.55 x 3. CLASS A neat
1:10	50		6		4 1/2	WASH out + bump + lines
						Release Plug
1:13	100		20		6	start Fresh H <sub>2</sub> O Displace
	100		80		6	Steady Rate + PST
	100		89		6	mud clean turn shoe
	100		101		6	Cement turn shoe
	200		107		6	PST lift Increase
	250		108		4	Decrease Rate
	450		122		3	Slow Rate
1:30	1000		130		3	Bump Plug
						Release PST
						FLOAT HEAD

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU



ORIGINAL

ALLIED CEMENTING CO., INC.

P.O. BOX 31  
RUSSELL, KS 67665  
PH (785) 483-3887  
FAX (785) 483-5566

\*\*\*\*\*  
\* I N V O I C E \*  
\*\*\*\*\*

Invoice Number: 079703

Invoice Date: 09/11/99

RECEIVED

KANSAS CORPORATION COMMISSION

DEC 27 1999

CONSERVATION DIVISION  
WICHITA, KS

Sold Black Petroleum Co.  
To: P. O. Box 12922  
Wichita, KS  
67277-2922

Cust I.D.....: B1 Pet  
P.O. Number...: Swayze Twin #1  
P.O. Date.....: 09/11/99

Due Date.: 10/11/99  
Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	6.3500	635.00	E
Gel	2.00	SKS	9.5000	19.00	E
ALW	185.00	SKS	6.0000	1110.00	E
Chloride	10.00	SKS	28.0000	280.00	E
FloSeal	46.00	LBS	1.1500	52.90	E
Handling	285.00	SKS	1.0500	299.25	E
Mileage (32)	32.00	MILE	11.4000	364.80	E
285 sks @\$ .04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
TRP	1.00	EACH	90.0000	90.00	E
Extra Footage	379.00	PER	0.4300	162.97	E

All Prices Are Net, Payable 30 Days Following  
Date of Invoice. 1 1/2% Charged Thereafter.  
If Account CURRENT take Discount of \$ 696.78  
ONLY if paid within 30 days from Invoice Date

Subtotal:	3483.92
Tax.....:	0.00
Payments:	0.00
Total....:	3483.92

**ALLIED CEMENTING CO., INC.**  
 P.O. BOX 11  
 MARSHALL, MO 67068  
 PH (783) 482-3877  
 FAX (783) 482-3888

**ORIGINAL**

**INVOICE**

Invoice Number: 079703

Invoice Date: 09/11/99

Sold Black Petroleum Co.  
 To: P. O. Box 12922  
 Wichita, KS  
 67277-2922

Cust I.D.: El Pet  
 P.O. Number: Swayze Twin #1  
 P.O. Date: 09/11/99

Due Date: 10/11/99  
 Terms: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	6.3500	635.00	E
Gel	2.00	SKS	9.5000	19.00	E
AIW	185.00	SKS	6.0000	-1110.00	E
Chloride	10.00	SKS	28.0000	280.00	E
FloSeal	46.00	LBS	1.1500	52.90	E
Handling	285.00	SKS	1.0500	299.25	E
Mileage (32)	32.00	MILE	11.4000	364.80	E
285 sks @ \$1.04 per sk per mi.					
Surface	1.00	JOB	470.0000	470.00	E
TRP	1.00	EACH	90.0000	90.00	E
Extra Footage	379.00	PER	0.4300	162.97	E

All Prices Are Net, Payable 30 Days from Invoice Date. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$ 267.00 ONLY if paid within 30 days from Invoice Date

Subtotal:	3483.92
Tax:	0.00
Payments:	0.00
Total:	3483.92

# ALLIED CEMENTING CO., INC.

2665

**ORIGINAL**

Federal Tax I.D.

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

SERVICE POINT:

MEDICINE LODGE

DATE <u>9-11-99</u>	SEC. <u>17</u>	TWP. <u>31s</u>	RANGE <u>19W</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>3:30 PM</u>	JOB START <u>7:55 AM</u>	JOB FINISH <u>8:15 PM</u>
LEASE <u>SWAMP TRAIL</u>		WELL # <u>1</u>	LOCATION <u>183 + WILMORE ROAD</u>		COUNTY <u>COMANCHE</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>HW, 14N, W5</u>				

CONTRACTOR FECKRELL DRILLING Co OWNER BLACK PETROLEUM Co

TYPE OF JOB SURFACE CSG. CEMENT AMOUNT ORDERED

HOLE SIZE 12 1/4" T.D. 634' CEMENT  
CASING SIZE 8 5/8" x 2 1/4" DEPTH 679' AMOUNT ORDERED

TUBING SIZE DEPTH 185 SL 65:35:6 + 3 1/2% LACIT + 1/4" FIBER

DRILL PIPE DEPTH 100 SL CLASS A + 3 1/2% LACIT + 2 1/2% BEL

TOOL DEPTH

PRES. MAX 600 # MINIMUM COMMON A 100 @ 6.35 635.00

MEAS. LINE SHOE JOINT 42.7' POZMIX @

CEMENT LEFT IN CSG. GEL 2 @ 9.50 19.00

PERFS. CHLORIDE 10 @ 28.00 280.00

DISPLACEMENT 40 1/2 FRESHWATER ALW 185 @ 6.00 1110.00

EQUIPMENT FIBER SEAL 46 # @ 1.15 52.90

PUMP TRUCK CEMENTER KEVIN BRUNGADE

# 343 HELPER ROBERT BURNEN HANDLING 285 @ 1.05 299.25

BULK TRUCK # 214-314 DRIVER MARK BRUNGADE MILEAGE 285 x 32 .04 364.80

BULK TRUCK # DRIVER

TOTAL \$ 2760.95

REMARKS:

SERVICE

<u>RUN 8 5/8" CSG. TO BOTTOM + BREAK</u>	DEPTH OF JOB <u>679'</u>	
<u>CEMENTATION</u>	PUMP TRUCK CHARGE <u>0-300'</u>	<u>470.00</u>
<u>MIX 185 SL 65:35:6 + 3 1/2% CC + 1/4" FIBER SEAL</u>	EXTRA FOOTAGE <u>379'</u>	<u>@ .43 162.97</u>
<u>100 SL CLASS A + 3 1/2% CC + 2 1/2% BEL</u>	MILEAGE <u>32</u>	<u>@ 2.85 N/C</u>
<u>DISPLACE PLUG TO 636' WITH 40 1/2 FIBER</u>	PLUG <u>8 5/8" TRP</u>	<u>@ 90.00 90.00</u>
<u>CEMENT CEMENT TO CEMENT</u>		

TOTAL \$ 222.97

CHARGE TO: BLACK PETROLEUM Co

STREET \_\_\_\_\_

CITY WICHITA STATE KANSAS ZIP \_\_\_\_\_

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL \_\_\_\_\_

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 \$ 3483.92

DISCOUNT 696.78 IF PAID IN 30 DAYS

SIGNATURE X Mike Kern

Net # 2787.14

Mike Kern

PRINTED NAME



**ALLIED CEMENTING CO., INC.**

P.O. BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566

\*\*\*\*\* ORIGINAL \*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Invoice Number: 079703

Invoice Date: 09/11/99

RECEIVED  
 KANSAS CORPORATION COMMISSION

DEC 27 1999

CONSERVATION DIVISION  
 WICHITA, KS

Sold Black Petroleum Co.  
 To: P. O. Box 12922  
 Wichita, KS  
 67277-2922

Cust I.D.....: B1 Pet  
 P.O. Number...: Swayze Twin #1  
 P.O. Date.....: 09/11/99

Due Date.: 10/11/99  
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	6.3500	635.00	E
Gel	2.00	SKS	9.5000	19.00	E
ALW	185.00	SKS	6.0000	1110.00	E
Chloride	10.00	SKS	28.0000	280.00	E
FloSeal	46.00	LBS	1.1500	52.90	E
Handling	285.00	SKS	1.0500	299.25	E
Mileage (32)	32.00	MILE	11.4000	364.80	E
285 sks @\$ .04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
TRP	1.00	EACH	90.0000	90.00	E
Extra Footage	379.00	PER	0.4300	162.97	E

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$ 696.78  
 ONLY IF paid within 30 days from Invoice Date

Subtotal: 3483.92  
 Tax.....: 0.00  
 Payments: 0.00  
 Total...: 3483.92

ALLIED CHEMICAL CO., INC.

P.O. BOX 21  
 WICHITA, KS 67201  
 TEL (785) 433-2000  
 FAX (785) 433-2000

INVOICE

ORIGINAL

Invoice Number: 079703

Invoice Date: 09/11/99

Sold Black Petroleum Co.  
 To: P.O. Box 12922  
 Wichita, KS  
 67277-2922

Cust. I.D.: BI Per  
 P.O. Number: Swayze Twin #1  
 P.O. Date: 09/11/99

Due Date: 10/11/99  
 Terms: Net 10

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	6.3500	635.00	E
Gel	2.00	SKS	9.5000	19.00	E
ALW	185.00	SKS	6.0000	1110.00	E
Chloride	10.00	SKS	28.0000	280.00	E
FloSeal	46.00	LBS	1.1500	52.90	E
Handling	285.00	SKS	1.0500	299.25	E
Mileage (30)	32.00	MILE	11.4000	364.80	E
285 sks @ \$1.04 per sk per mi.					
Surface	1.00	JOB	470.0000	470.00	E
TRP	1.00	EACH	90.0000	90.00	E
Extra Footage	379.00	PER	0.4300	162.97	E

All Prices Are Net. Payable 30 Days ~~net~~ with  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of ~~\$ 162.97~~  
 ONLY if paid within 30 days from Invoice Date

Subtotal:	3483.92
Tax:	0.00
Payments:	0.00
Total:	3483.92

# ALLIED CEMENTING CO., INC

2665

## ORIGINAL

Federal Tax I.D.#

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

SERVICE POINT:  
*MEDICINE LODGE*

DATE: <i>9-11-99</i>	SEC: <i>17</i>	TWP: <i>31s</i>	RANGE: <i>19W</i>	CALLED OUT: <i>10:00 AM</i>	ON LOCATION: <i>3:30 PM</i>	JOB START: <i>7:55 AM</i>	JOB FINISH: <i>8:15 PM</i>
LEASE: <i>SURFACE TRIP</i>	WELL #: <i>1</i>	LOCATION: <i>183 + WILMORE ROAD</i>			COUNTY: <i>COMANCHE</i>	STATE: <i>KANSAS</i>	
OLD OR NEW (Circle one): <u>NEW</u>		<i>H.W. 1/4 N, W/4</i>					

CONTRACTOR: <i>FICKRELL DRILL CO</i>	OWNER: <i>BLACK PETROLEUM Co</i>	
TYPE OF JOB: <i>SURFACE CSG.</i>		
HOLE SIZE: <i>12 1/4"</i>	T.D.: <i>684</i>	CEMENT AMOUNT ORDERED:
CASING SIZE: <i>8 5/8" x 2 1/4"</i>	DEPTH: <i>679'</i>	<i>185 SL 65:35:6 + 3% CLCZ + 1/4" FFO-S.</i>
TUBING SIZE:	DEPTH:	<i>100 SL CLASS A + 3% CLCZ + 2% CL</i>
DRILL PIPE:	DEPTH:	
TOOL:	DEPTH:	
PRES. MAX: <i>600 #</i>	MINIMUM:	COMMON: <i>A 100 @ 6.35 635.00</i>
MEAS. LINE:	SHOE JOINT: <i>42.7'</i>	POZMIX: @
CEMENT LEFT IN CSG:		GEL: <i>2 @ 9.50 19.00</i>
PERFS:		CHLORIDE: <i>10 @ 28.00 280.00</i>
DISPLACEMENT: <i>40 1/2 FRESH H<sub>2</sub>O</i>		<i>ALW 185 @ 6.00 1110.00</i>
EQUIPMENT:		<i>FO-SEAL 46# @ 1.15 52.90</i>
PUMP TRUCK # <i>343</i>	CEMENTER: <i>KEVIN BRUNGAOT</i>	HANDLING: <i>285 @ 1.05 299.25</i>
	HELPER: <i>ROBERT BURNEN</i>	MILEAGE: <i>285 x 32 .04 364.80</i>
BULK TRUCK # <i>214-314</i>	DRIVER: <i>MARK BRUNGAOT</i>	
BULK TRUCK #	DRIVER:	TOTAL: <i>\$2760.95</i>

### REMARKS:

*Run 8 5/8" CSG. TO BOTTOM + BREAK  
CALCULATION  
MIX 185 SL 65:35:6 + 3% CLCZ + 1/4" FFO-SEAL  
100 SL CLASS A + 3% CLCZ + 2% CL  
DISPLACE PLUG TO 636' WITH 40 1/2 BBL  
GRADUATE CEMENT TO CELLAR ✓*

DEPTH OF JOB: <i>679'</i>	
PUMP TRUCK CHARGE: <i>0-300'</i>	<i>470.00</i>
EXTRA FOOTAGE: <i>379'</i>	<i>@ .43 162.97</i>
MILEAGE: <i>32</i>	<i>@ 2.85 N/C</i>
PLUG: <i>8 5/8" TRP</i>	<i>@ 90.00 90.00</i>

TOTAL: *\$722.97*

CHARGE TO: *BLACK PETROLEUM Co*

STREET:

CITY: *WICHITA* STATE: *KANSAS* ZIP:

### FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL:

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: *\$3483.92*

DISCOUNT: *696.78* IF PAID IN 30 DAYS

Net: *\$2787.14*

SIGNATURE: *Mike Kern*

PRINTED NAME: *Mike Kern*