

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form AGO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4058
Name: American warriro INC
Address: P.O. box 399
City/State/Zip: Garden City, KS 67846
Purchaser: Embridge
Operator Contact Person: Kevin Wiles SR
Phone: (620) 275-2963
Contractor: Name: Duke DRLG
License: 5929
Wellsite Geologist: Alan Downing
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. _____

6-4-03	6-12-03	6-30-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 033-21,360-00-00
County: Comanche
SW SW Sw NE Sec. 3 Twp. 35s S. R. 16 East West
2425' feet from S / (N) (circle one) Line of Section
2610' feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Murdock Well #: 4
Field Name: Aetna
Producing Formation: Miss
Elevation: Ground: 1833 Kelly Bushing: 1846
Total Depth: 5445' Plug Back Total Depth: 5404'
Amount of Surface Pipe Set and Cemented at 402' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternative completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AGG 1 W B 21-03
(Data must be collected from the Reserve Pit)
Chloride content 12000 ppm Fluid volume 300 bbls
Dewatering method used Hauled Off-site
Location of fluid disposal if hauled offsite:
Operator Name: KBW OIL & GAS
Lease Name: Harmon SWD License No.: 5993
Quarter NW Sec. 11 Twp. 33s S. R. 20 East West
County: Comanche Docket No.: D-98,329

ORIGINAL

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: _____
Title: Production Supt Date: 7-30-03
Subscribed and sworn to before me this 30th day of July
2003
Notary Public: Debra Purcell
Date Commission Expires: 11/14/03

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

DEBRA J. PURCELL
Notary Public - State of Kansas
My Appt. Expires 11/14/03

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Side Two

ORIGINAL

Operator Name: American warriro INC Lease Name: Murdock Well #: 4
Sec. 3 Twp. 35s S. R. 16 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.

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Drill Stem Tests Taken (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy)
List All E. Logs Run:

Log Formation (Top), Depth and Datum
Name Top Datum
SEE Attached

Dual IND, Micro, CDNL/GR

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CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./ Ft., Setting Depth, Type of Cement, # Sacs Used, Type and Percent Additives. Includes rows for Surface and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

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

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumerd Production, SWD or Enhr., Producing Method, 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
Other (Specify)

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ORIGINAL

Murdock #4 GEO TOPS

American warrior INC Murdock # 4

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Heebner	4317'	-2462
Lansing	4520'	-2665
Swope	4908'	-3053
Hertha	4954'	-3099
BKC	4987'	-3132
Marmaton	5040'	-3185
Pawnee	5119'	-3264
Fort Scott	5155'	-3300
Cherokee	5172'	-3317
Miss	5247'	-3392

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CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

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TICKET

No 5731

PAGE 1 OF 2

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SERVICE LOCATIONS 1. <u>Hay, Ks.</u>	WELL/PROJECT NO. <u>#4</u>	LEASE <u>Murdoc</u>	COUNTY/PARISH <u>Comanche</u>	STATE <u>Ks.</u>	CITY	DATE <u>6-13-03</u>	OWNER <u>Sam</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Rig #17</u>	RIG NAME/NO.	SHIPPED VIA <u>R/T</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Gas</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Com. 5 1/2" Production Csg.</u>	WELL PERMIT NO.	WELL LOCATION <u>Sec 3-35-16w</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE "103	90	mi	2	31	270
578		1			Pump Service	1	ea	1,200	31	1,200
407		1			Insert Float Spec	1	ea	230	31	230
406		1			Latch down Plug + Baffle	1	ea	200	31	200
402		1			Centralizers	6	ea	44	31	264
403		1			Com. Basket	1	ea	125	31	125
280		1			Floater 2-21	850	gal	150	31	1,275
					See Continuation					
										3,173

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Kenneth McLean
 DATE SIGNED: TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 7,292

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TOTAL

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CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Roger B. [Signature]

APPROVAL

Thank You!

ORIGINAL

JOB LOG

CONFIDENTIAL

SWIFT Services, Inc ORIGINAL

DATE 6-13-03 PAGE NO. 1

CUSTOMER *American Warrior* WELL NO. *4* LEASE *Murdock* JOB TYPE *Long String* TICKET NO. *5731*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0450							On Loc.
	0515							Start in hole with 5 1/2" csg.
								Insert Float Shoe
								Latch down Baffle
								Cont. on "1, "3, "5, "7, "11, "13
								Breakdown "4
	0720							Drop Ball
	0730							Csg. on Bottom. Circulate
	0730							Plug Mass hole + Rat hole
			5					Pump 5 3/4" 1120 spacer
			20					Pump 850 gal Floetrol
			5					Pump 5 3/4" 1120 spacer
			55					Mix 100 lbs SMD 11.2" / gal
			15					Mix 30 lbs SMD 13.5" / gal
			70					Finished mixing Wash out pump + line
	0830							Displace Latch down Plug
	0900		132					Plug down 1500psi
								Release Press. Shut up
								Wash and card up track
								Job Complete

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Handwritten signature/initials

ALLIED CEMENTING CO., INC. 12400

P.O. BOX 31
RUSSELL, KANSAS 67665

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Federal Tax I.D.#

KCC

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SERVICE POINT:

Mid. Lodge, KS

ORIGINAL

DATE <u>6-4-03</u>	SEC. <u>3</u>	TWP. <u>35S</u>	RANGE <u>11W</u>	CALLED OUT <u>CONFIDENTIAL</u>	LOCATION <u>CONFIDENTIAL</u>	JOB START <u>10:50</u>	JOB FINISH <u>11:20</u>	
EASE <u>Mudack</u>	WELL # <u>4</u>	LOCATION <u>May Panch Airstrip</u>	COUNTY <u>Comanch</u>	STATE <u>KS</u>				
OLD OR NEW (Circle one)		<u>4w on main rd. E side</u>						

CONTRACTOR Duke #7

TYPE OF JOB Surface

HOLE SIZE 12"4 T.D. 402'

CASING SIZE 8 5/8 DEPTH 402'

TUBING SIZE DEPTH

DRILL PIPE 4 1/2" DEPTH 402'

TOOL DEPTH

PRES. MAX MINIMUM 50

MEAS. LINE SHOE JOINT 37.46

CEMENT LEFT IN CSG. 37.46

PERFS.

DISPLACEMENT 24 bbl Shut-in

EQUIPMENT

PUMP TRUCK # 281 CEMENTER Mike Rucker

BULK TRUCK # 363 DRIVER Troy Churberg

BULK TRUCK # DRIVER

OWNER American Warrior

CEMENT AMOUNT ORDERED 150sx lite weight + 100sx Tail

COMMON @

POZMIX @

GEL @

CHLORIDE @

HANDLING @

MILEAGE @

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REMARKS:

10:45 P.p. on bottom break Cir.

10:50 Start load Cement @ 12.8 weight

11:05 Start tail Cement @ 15.2 weight

11:10 Stop Pumps Release Plug Start

Displacement 11:20 @ 24 bbl Disp.

Bump Plug 100-300 Shut-in 300ps

* Circ. 50sx to pit? ✓

DEPTH OF JOB 402'

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG T.R.P. @

CHARGE TO: American Warrior

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

8 5/8"

1. Baffle Plate @

1. Bucket @

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 Kenneth McGuire

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

KENNETH MCGUIRE
PRINTED NAME



CONFIDENTIAL CEMENTING LOG

STAGE NO. _____

Date 6-4-03 District Med Lake Ticket No. 12400
 Company Warrior Rig D.K. #7
 Lease Warrior Well No. 4
 County Comanche State KS
 Location Warrior #1 - Airport Field 5-355-160
4.0 CT side

CEMENT DATA:

Spacer Type KCC ¹⁰⁵⁰ **ORIGINAL**
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

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LEAD: Pump Time _____ hrs. Type lite weight
 Excess _____

Amt. 150 Sks Yield 1.98 ft³/sk Density 12.8 PPG

TAIL: Pump Time _____ hrs. Type tail
 Excess _____

Amt. 100 Sks Yield 1.24 ft³/sk Density 15.2 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used # Eric's Pioneer
 Bulk Equip. # 363 - Tracy Colquhoun

Floater Equip: Manufacturer Gomco
 Shoe: Type Porch Cap Depth 402'

Floater Type Basalt Plate Depth 376'

Centralizers: Quantity _____ Plugs Top Rubber Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Prehydrator Amt. 24 Bbls. Weight _____ PPG

Mud Type Native Weight 9.5 PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 24.00 Collar _____

Casing Depths: Top KB Bottom 402'

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 402 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70

Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. 0.735 Lin. ft./Bbl. 13.60

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Ken McGeeCEMENTER Mike Rucker

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>1045</u>						<u>rip on bottom break circ.</u>
<u>1050</u>		<u>50</u>	<u>53 bbl slurry</u>	<u>5 1/2</u>		<u>Start lead cement @ 12.8 weight</u>
<u>1105</u>		<u>150</u>	<u>24 bbl slurry</u>	<u>6 bpm</u>		<u>Start tail cement @ 15.2 weight</u>
<u>1110</u>		<u>100</u>	<u>24 bbl fresh</u>	<u>4 1/2</u>		<u>Stop pumps Rel. Plug Start Disp.</u>
						<u>@ 24 bbl Displaced Bump Plug</u>
						<u>100-300 Shut-in. 300psi</u>
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						<u>* Circ. 505x to pit!</u>

FINAL DISP. PRESS: 100 PSI BUMP PLUG TO 300 PSI BLEEDBACK Shut-in BBLs.