

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

API NO. 15- 025-21,086-0000 ORIGINAL

County Clark
220' NE of _____
NW-SE - SW - _____ Sec. 35 Twp. 32S Rge. 23 E W

Operator: License # 4058

1060 Feet from N (circle one) Line of Section

Name: American Warrior, Inc

1820 Feet from E (circle one) Line of Section

Address P.O. Box 399

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

City/State/Zip Garden City, Ks 67846

Lease Name Abell Well # 9

Purchaser: Koch

Field Name Ashland

Operator Contact Person: Scott Corsair

Producing Formation Kansas City

Phone (913) 398-2270

Elevation: Ground 2018 KB 2031

Contractor: Name: Eagle Drilling, Inc

Total Depth 4970 PBD 4925

License: 5380

Amount of Surface Pipe Set and Cemented at 665 Feet

Wellsite Geologist: Scott Corsair

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion

If yes, show depth set _____ Feet

New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____

Oil SUD SIOW Temp. Abd.

feet depth to _____ w/ _____ ex cnt.

Gas ENHR SIGW

Drilling Fluid Management Plan

Dry Other (Core, WSW, Expl., Cathodic, etc)

(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Chloride content 1700 ppm Fluid volume 150 bbls

Well Name: _____

Sealing method used evaporate

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Int/SUD

Operator Name American Warrior, Inc

Plug Back _____ PBD

Commingled _____ Docket No. _____

Lease Name Abell License No. 4058

Dual Completion _____ Docket No. _____

Other (SUD or In?) _____ Docket No. _____

8-12-92 8-19-92 9-9-92

Spud Date Date Reached TD Completion Date

SW Quarter Sec. 35 Twp. 32 S Rng. 23 E/W

County Clark Docket No. D-12,726

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Scott Corsair

Title Geologist Date 12-7-92

Subscribed and sworn to before me this 7th day of December, 19 92.

Notary Public Stanley R. Erb

Date Commission Expires 1-5-96

Stanley R. Erb
NOTARY PUBLIC
State of Kansas
My Appt. Expires 1-5-96

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

SIDE TWO

Operator Name American Warrior, Inc Lease Name Abell Well # 9

Sec. 35 Twp. 32 Rge. 23 East West
 County Clark

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,
 Compensated Neutron PE Density Log

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Heebner	4208	-2177	
Lansing	4390	-2359	
K C A	4446	-2415	
K C B	4659	-2628	
Swope	4837	-2806	
Hertha	4888	-2857	
Marmaton	4954	-2923	

CASING RECORD New 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	20"	13"	26	65	comm.	100	6%gel, 3%ce
surface	12 1/4"	8 5/8"	24	665	35/65poz	400	1/2#celloflak 5% caiseal
production	7 7/8"	5 1/2"	17	4967	EA-2	125	18%salt 3/4%halad-322 1/4#flocele

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
4	4449-53		

TUBING RECORD Size 2 7/8 Set At 4450 Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 9-9-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10				

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)
 Production Interval: 4449
4453

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name ABELL #9 Test No. 1 Date 8/18/92
Company AMERICAN WARRIOR, INC. Zone SHAWNEE
Address P.O. BOX 399 GARDEN CITY KS 67845 Elevation 2031
Co. Rep./Geo. SCOTT CORSAIR Cont. EAGLE DRILLING Est. Ft. of Pay _____
Location: Sec. 35 Twp. 32S Rge. 23W Co. CLARK State KS

Interval Tested 4236-4399 Drill Pipe Size 4.5" XH
Anchor Length 163 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4231 Drill Collar - 2.25 Ft. Run 397
Bottom Packer Depth 4236 Mud Wt. 9.1 lb/Gal.
Total Depth 4399 Viscosity 47 Filtrate 10.8

Tool Open @ 4:15 AM Initial Blow 1" BLOW BUILDING TO 9.5"
Final Blow 1/4" BLOW BUILDING TO 4.5"

Recovery - Total Feet 250 Flush Tool? NO
Rec. 70 Feet of MUD
Rec. 180 Feet of MUDDY WATER WITH OIL SPECKS IN TOOL
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 105 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.4 @ 61.1 °F Chlorides 19500 ppm Recovery Chlorides 7500 ppm System

(A) Initial Hydrostatic Mud 2152.3 PSI AK1 Recorder No. 22150 Range 3925
(B) First Initial Flow Pressure 50.6 PSI @ (depth) 4238 w/ Clock No. 27573
(C) First Final Flow Pressure 91.2 PSI AK1 Recorder No. 24174 Range 3050
(D) Initial Shut-in Pressure 1390.3 PSI @ (depth) 4398 w/ Clock No. 27501
(E) Second Initial Flow Pressure 123.7 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 145.8 PSI @ (depth) _____ w/ Clock No. _____
(G) Final Shut-in Pressure 1450.6 PSI Initial Opening 30 Final Flow 30
(H) Final Hydrostatic Mud 2104.7 PSI Initial Shut-in 30 Final Shut-in 60

Our Representative PAUL SIMPSON

ORIGINAL

SCOTT CORSAIR

Consulting Geologist
211 N. Main P.O. Box 6
Bazine, Ks 67516
913-398-2594 913-398-2270
Mobile 913-731-5060 FAX 913-398-2586

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 03 1993

CONSERVATION DIVISION
WICHITA, KS

Abell No. 9
220' NE of C NW SE SW
SECTION 35-32S-23W
CLARK COUNTY, KANSAS

ORIGINAL

Operator: American Warrior, Inc.
Well: Abell No. 9
API No.: 15-025-21,086
Location: 220' NE of C NW SE SW, Sec. 35-32S-23W
Wellsite: Farmground
Commenced: August 12, 1992
Completed: August 19, 1992
Elevations: 2018 GL 2031 KB
Total Depth: 4970 (Driller) 4970 (Log)
Casing: Surface: 8 5/8 @ 665/400 sacks cement
Production: 5 1/2 @ 4967/125 sacks cement
Samples: 10 ft. 4100-T.D.
Logs: Great Guns; Dual Induction, Compensated
Neutron PE Density
Drillstem Tests: One by Trilobite Testing
Contractor: Eagle Drilling Inc. (Rig 1)

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MAR 03 1993
CONSERVATION DIVISION
WICHITA, KS

REMARKS: Geological supervision: 4100 - T.D. Pipe strapped at 4399; .37 less than board-no correction. Logger's measurements are taken as correct.

FORMATION TOPS	SAMPLES		LOG	
Heebner	4206	-2175	4208	-2177
Lansing	4391	-2360	4390	-2359
Kansas City A	4444	-2413	4446	-2415
Kansas City B	4658	-2627	4659	-2628
Swope	4839	-2808	4837	-2806
Hertha	4889	-2858	4888	-2857
Marmaton	4954	-2923	4954	-2923

ORIGINAL

SAMPLE ZONE DESCRIPTION

Logger's Measurements

DOUGLAS 4260 -2229

4296-4304: Limestone: tan to buff with trace of gray, poor intercrystalline porosity, very slight show of free oil, fair fluorescence and cut fluorescence, no odor.

LANSING 4390 -2359

4490-4400: Limestone: tan to buff, sparry, very poor intercrystalline porosity, no show.

Drill Stem Test No. 1: 4236-4399/30-30-30-60/ 1" blow - building to 9.5" during first flow. 1/4" blow - building to 4.5" final flow.

Recovered: 250 feet of drilling mud

70 feet of mud

180 feet of muddy watter with oil specks in tool

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IHP 2152.3

IFP 50.6-91.2

ISIP 1390.3

FFP 123.7-145.8

FSIP 1450.6

FHP 2104.7

MAR 03 1993

CONSERVATION DIVISION
WICHITA, KS

KANSAS CITY A 4446 -2415

4446-4460: Limestone: buff, sparry, good intercrystalline porosity, good show of free oil, good fluorescence and cut fluorescence, good odor.

KANSAS CITY B 4659 -2628

4659-4674: Limestone: tan to buff, oolitic, excellent oolitic porosity, dull fluorescence and faint cut fluorescence, no odor, no show of free oil.

SWOPE 4837 -2806

4837-4846: Limestone: brown -tan, sucrosic to crystalline, good intercrystalline porosity, good show of free oil, good fluorescence and excellent cut fluorescence, faint odor.

HERTHA 4888 -2857

4888-4915: No shows were noted during the drilling of this section.

MARMATON 4954 -2923

Limestone: white to tan, crystalline to chalky, fossiliferous, Chert: white, translucent, angular, no show.

STRUCTURAL CORRELATION

Log Tops

Formation	American Warrior Abell #9 220 NE NW SE SW 35-32S-23W	American Warrior Abell #8 220 N SE NE SW 35-32S-23W	Amarillo Nat. #1 Abell C NE SW 35-32S-23W
Heebner	-2177	-2177	-2181
Lansing	-2359	-2365	-2371
Kansas City A	-2415	-2418	-2431
Kansas City B	-2628	-2634	-2638

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MAR 03 1954

SUMMARY AND RECOMMENDATIONS

Based upon production histories of offsetting wells, structural position, sample examination and log evaluation it appears commercial production from several zones is probable. Based upon this information 5 1/2" production casing was set.

Pipe was set 3 feet off bottom. Based upon available information, the following zones are recommended for testing.

1. Swope 4868-4862
2. Kansas City B 4685-4689
3. Kansas City A 4462-4466

Measurements were taken from rotary kelly bushing (13 feet above ground level). Log measurements are taken as correct.

Respectfully,

Scott Corsair
Scott Corsair
Consulting Geologist



P.O. Box 4442
Houston, Texas 770

CEMENTING LOG

STAGE NO.

ORIGINAL

Date: 8-13-92 District: Med. Goose Ticket No. 071826
 Company: AMERICAN WARRIOR Rig: EAGLE #1
 Lease: ABEL Well No. 9
 County: CLARK State: KANSAS

Location: ASHLAND 1 1/2 N, 22 W, 14 E, 14 W

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 3 5/8" Type: _____ Weight: 20# Collar: BRU

Casing Depths: Top KB Bottom 664'
20" 60' - 40'

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
 Open Hole: Size 12 1/4" T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.7'
 Open Holes: Bbls/Lin. ft. .1458 Lin. ft./Bbl. 6.85'
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.3'
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6'
3 1/8" X 20" Bbls/Lin. ft. .2830 Lin. ft./Bbl. 3.53'
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE: K.O. STEINERT

CEMENT DATA: FRESH H₂O
 Spacer Type: _____ Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time 35:65:6 hrs. Type _____
+ 2 3/8" A-77, 1/2" CELLO-LAKE Excess _____
 Amt. 225 Sks Yield 1.58 ft³/sk Density 13.8 PPG

TAIL: Pump Time 40:60:2 hrs. Type _____
+ 3 3/8" A-77 Excess _____
 Amt. 225 Sks Yield 1.24 ft³/sk Density 14.3 PPG

WATER: Lead 7.8 gals/sk Tail 5.6 gals/sk Total 13.4 Bbls.

Pump Trucks Used 2902-6481 CARL BAIRDING
 Bulk Equip. 2757-3760 MAX WOLF

Float Equip: Manufacturer BAKER / LEATHERFORD
 Shoe: Type _____ Depth 664'
 Float: Type BAFFLE PLATE Depth 620'
 Centralizers: Quantity 1 Plugs Top RESIN Btm. _____
 Stage Collars _____
 Special Equip. BASKET @ 80'
 Disp. Fluid Type FRESH H₂O Amt. 4 1/2 Bbls. Weight 3.34 PPG
 Mud Type _____ Weight _____ PPG

CEMENTER: KEVIN BRUNBANDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:00						ON LOCATION, RIG UP, JOB + SAFETY MEET
						RUN + CIRCULATE PILING TO BOTTOM
						RIG UP TO CEMENT PUMP
5:30	50					START FRESH H ₂ O
	200		50	50	6	FRESH H ₂ O IN - START LEAD
	100		64	14	6 1/2	LEAD IN - START TAIL
	100		113 1/2	49 1/2	6 1/2	TAIL IN - STOP PUMPS - CHANGE VALVES
	0				4 1/2	RELEASE PLUG - START DISPLACEMENT
	150		150 1/2	37	2 1/2	SLOW RATE
6:15	600		155	4 1/2	2 1/2	BUMP PLUG + SHUT IN
	400		176	21	3	RUN 1" TEG TO 75' MAX 80SK 35:65:6
						NO FILLUP - WAIT 1 HOUR
	500		190	14	3	RUN 1" TEG TO 75' MAX 80SK 35:65:6
						NO FILLUP - WAIT 1 HOUR
	600		210	20	5	TRY TO WASH OUT MUD IN CONDUCTOR
			222 1/2	12 1/2	2	BUILD BRIDGE @ 40' - FILL CONDUCTOR
10:15	100					TO SURFACE WITH 45SK 35:65:6

FINAL DISP. PRESS: 100 PSI BUMP PLUG TO 600 PSI BLEEDBACK _____ BBLs. THANK YOU

Form No. SR.0502 (Rev. 3/79)
 Note: Must accompany job ticket.



SERVICE OPERATIONS CONTRACT
CONTINUATION

CONTRACT NO. 021836

DATE OF JOB 03/13/93 DISTRICT MED. 606E DIST. NO. 584 AUTHORIZED BY CECIL O'BRADE
 CUSTOMER AMERICAN WARRIOR

ORIGINAL

PRICE BOOK 01

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10409600	1	8 7/8" THREADED BAFFLE PLATE-W	99.25	E	99.25
10409600	1	8 7/8" BASKET - R	198.00	E	198.00
10409600	1	3 7/8" CENTRALIZER-W	60.00	E	60.00

RECEIVED
 KANSAS CONSERVATION COMMISSION
 MAR 03 1993
 CONSERVATION DIVISION
 WICHITA, KS

SERVICE REPRESENTATIVE K. BRUNGARDT THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X K.O. Ste...

[] CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
 CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Tx. 77210

ORIGINAL

SERV OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, Tx. 77297

DATE 8-13-92		SERVICE CONTRACT NO. 071836	
CUSTOMER ACCOUNT NO.		DIST NAME Med. 600E	
CUSTOMER AMERICAN WARRIOR		DIST NUMBER 584	
ADDRESS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> WELL TYPE	
CITY GARDEN CITY STATE KANSAS ZIP		JOB NUMBER 501743	
AUTHORIZED BY (Please Print) CELZ O'BRIEN		WELL NO. 9 LEASE NAME & FEDERAL OFFSHORE LEASE NO. ABEC	
ORDER NO.		COUNTY/PARISH CLARK CODE STATE KS CODE	
STAGE NO.		FIELD NAME	
JOB CODE 0100-CEMENT WORKING DEPTH 665 FT		CITY CODE	
TOTAL PREV. GALS.		WELL OWNER AMERICAN WARRIOR MTA CODE	
1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>		PUMPING EQUIPMENT TIME (A OR P) DATE	
SIZE HOLE 12 1/4" DEPTH 674 FT		TRUCK CALLED 10:30 AM 08/31/92	
TOTAL MEAS. DEPTH		ARRIVED AT JOB 9:00 PM 08/31/92	
SIZE & WT. CASING 3 7/8" 24# DEPTH 665 FT		START OPERATION 5:30 AM 08/31/92	
SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.6# DEPTH 674 FT		FINISH OPERATION 10:15 AM 08/31/92	
PRESSURE		TIME RELEASED	
AVG. PSI. MAX. PSI.		MILES FROM STATION TO WELL SALESMAN NUMBER	
600			
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT			
MAX. BPM 6 1/2			
S/S EMPLOYEE NUMBER 666454			

REMARKS

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 05 1993
CONSERVATION DIVISION
WICHITA, KS

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 0.1

SIGNED: X K.O. Steinl
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UM	PRICE EXTENSION
101100306	1	501'-1000' PUMP CHARGE	663.00	E	663.00
101090005	60	MILEAGE ON PUMP	2.47	E	148.20
104105004	281	CLASS A	5.79	Q	1626.99
104150013	169	FLYASH	3.06	Q	517.14
104200145	1562	BT GEL	.15	L	234.30
104150049	1168	17-7P	.43	L	560.64
104220008	113	CELLOFLAKE	1.35	L	152.55
103300001	495	MIXING SERVICE	1.16	Q	574.20
109401001	1254	DRAINAGE 20.9 X60	.79	E	990.66
10430636	1	3 7/8" TOP RESIN PLUG	105.25	E	105.25

SERVICE REPRESENTATIVE KEVIN BRUNBARDT THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X K.O. Steinl

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



LOAD SHEET

ORIGINAL

JOB NUMBER 501743		CONTRACT NUMBER 071836		DATE 8/12/92	DISTRICT NAME		
CUSTOMER NAME AND ADDRESS AMERICAN WARRIOR GARDEN CITY, KANSAS				DIRECT SHIPMENT FROM VENDOR NAME			
Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED	
1	410504	CLASS A	Q	241		60	
2	415018	FLYASH	Q	209		40	
3	415049	A-7P	L	1426		258	
4	422008	CELLOFLAKE	L	113		0	
5	420145	BJ GEL	L	1734		172	
6	430636	8 1/8" TOP RESIN PILES	E	1		0	
7							
8							
9		225SX 35:65:6 REAR					
10		325SX 40:60:2 FRONT					
11							
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KANSAS CORPORATION COMMISSION
MAR 03 1993
CONSERVATION DIVISION
WICHITA, KS

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <i>[Signature]</i>	CUSTOMER: <i>[Signature]</i>
	PRINTED <i>[Signature]</i> SIGNATURE	DATE: 8/13/92

IM 1906 R-11

LL NO. - FARM OR LEASE NAME: 79 Ancl
COUNTY: CLARK
STATE: KS
CITY/OFFSHORE LOCATION:
DATE: 8-20-92
PURCHASER TO: AMERICAN WARRIOR
OWNER: SAME
TICKET TYPE (CHECK ONE): SERVICE [X] SALES []
NITROGEN JOB: YES [] NO [X]
ADDRESS:
CONTRACTOR: EAGLE DREG
LOCATION 1: NESS CITY, KS CODE: 25535
FREIGHT CHARGES: [] PPD [] COLLECT []
LOCATION 2: PRATT, KS CODE: 25335
SHIPMENT VIA: 51145
DELIVERED TO: N/W Ashland, KS
LOCATION 3:
CODE:
WELL CATEGORY: 01
WELL PERMIT NO.: B-118382
ORDER NO.:
REFERRAL LOCATION:
WELL TYPE: 01
WELL CATEGORY: 01
DATE AND PURPOSE OF JOB: 25

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.
Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
20-117				MILEAGE 51145	83	mi			2.60	215	80
21-016				PUMP CHARGE	4967	FT.			1365.	1365	00
30-016				5/8 TOP PLUG	1	EA	5 1/2	in	50.	50	00
12 H	825-205			GUIDE SHOUL	1	EA	5 1/2	in	121.	121	00
24 H	815-19251			INSERT FLOAT VALVE	1	EA	5 1/2	in	83.	83	00
27	815-19311			FILLUP UNIT	1	EA	1.00	in	30.	30	00
40	807-93022			5-4 CENTRALIZERS	6	EA	5 1/2	in	44.	264	00
320	800-8883			CEMENT BASKETS	2	EA	5 1/2	in	90.	180	00
18-317				SUPER FLUSH	6	SX.			98.	588	00
MAR 03 1993											
CONSULTATION DIVISION											
WORKTANKS											
THIS IS NOT AN INVOICE											

2 AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-118382 2416 90

IS JOB SATISFACTORILY COMPLETED?
IS OPERATION OF EQUIPMENT SATISFACTORY?
IS PERFORMANCE OF PERSONNEL SATISFACTORY?
CUSTOMER OR HIS AGENT (PLEASE PRINT): Scott Cowan
CUSTOMER OR HIS AGENT (SIGNATURE):

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.
Bruce Crosswhite
HALLIBURTON OPERATOR
HALLIBURTON APPROVAL
CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

IM 1908 R-7 A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 216001

TRICT PRNT, K DATE 8-30-92HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: AMERICAN WARRIOR (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGWELL NO. 9 LEASE ADSL SEC. 35 TWP. 32S RANGE 23W
LD _____ COUNTY OSAGE STATE KS OWNED BY SHINE**THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT**FORMATION: ME _____ TYPE _____
FORMATION THICKNESS: FROM _____ TO _____
CORKER: TYPE _____ SET AT _____
TOTAL DEPTH 4970 MUD WEIGHT _____
CORE HOLE _____
NET PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
ESSENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>W</u>	<u>13.5</u>	<u>5 1/2</u>	<u>TOP</u>	<u>4967</u>	
LINER						
TUBING						
OPEN HOLE				<u>4967</u>	<u>4970</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ CONSERVATION DIVISION MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement Production Log with 125 SY CH-2 with 3% PALSLINE 15% SALT
3/4" Mand-32' and 1/2" Fracole
Plug Release & Movable with 25 SY 60-70 POC H₂O 6% GEL
is directed

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release, and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
DATE _____

certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract. TIME: _____ A.M. P.M.

CUSTOMER

WELL DATA

FLD. SEC. 35 TWP. 22S RNG. 23W COUNTY CLARK STATE KS
FORMATION NAME TYPE
FORMATION THICKNESS FROM TO
INITIAL PROD: OIL BPD. WATER BPD. GAS MCFD
PRESENT PROD: OIL BPD. WATER BPD. GAS MCFD
COMPLETION DATE MUD TYPE MUD WT.
PACKER TYPE SET AT
BOTTOM HOLE TEMP. PRESSURE
ISC. DATA TOTAL DEPTH: 4970

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	13.5	5/2	TOP	4967	
LINER						
TUBING						
OPEN HOLE				4967	4970	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
SOAT COLLAR		
SOAT SHOE		
GUIDE SHOE Reg 5/2	1	HALLCO
CENTRALIZERS 3-4 5/2	6	
BOTTOM PLUG		
TOP PLUG 5-0 5/2	1	
HEAD		
INSER Bissett 5/2	1	
OTHER INSERT Ficht Valve 5/2	1	

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
8-20-92	8-20-92	8-20-92	8-20-92
TIME 0600	TIME 0910	TIME 1000	TIME 1400

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
B. Crosswhite	3115	Nass City MI
K. CARTER	0013	Pratt KS
A. GIOCONETTI C-8239	3656 BULK	
MASSACHUSETTS CORPORATION		
MAR 03 1993		
CONSERVATION DIVISION		
WICHITA, KS		

MATERIALS

REAT. FLUID DENSITY LB/GAL API
SPL. FLUID DENSITY LB/GAL API
ROP. TYPE SIZE LB.
ROP. TYPE SIZE LB.
CID TYPE GAL %
CID TYPE GAL %
CID TYPE GAL %
JRFACANT TYPE GAL IN
E AGENT TYPE GAL IN
LUID LOSS ADD. TYPE GAL-LB IN
ELLING AGENT TYPE GAL-LB IN
IC. RED. AGENT TYPE GAL-LB IN
EAKER TYPE GAL-LB IN
LCKING AGENT TYPE GAL-LB IN
RFPAC BALLS TYPE QTY.
THER
THER

DEPARTMENT Cement
DESCRIPTION OF JOB Cement Production (13g. as directed)
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
CUSTOMER REPRESENTATIVE X Scott Case
HALLIBURTON OPERATOR B. Crosswhite
COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS/GAL.
1	123	EA-2	Hallco	B	5% Consent 18% Salt 7 1/2% Hard-222 1/4" Trade	1.30	13.5
2	95	60-40	Hallco	B		1.64	13.16

PRESSURES IN PSI

SUMMARY

VOLUMES

REGULATING DISPLACEMENT
LEAKDOWN MAXIMUM
PERCENTAGE FRACTURE GRADIENT
15-MIN. INSTANT 5-MIN. 15-MIN. HYDRAULIC HORSEPOWER
ORDERED AVAILABLE USED AVERAGE RATES IN BPM
HEATING DISPL. OVERALL CEMENT LEFT IN PIPE
REASON

PRESLUSH: BBL-GAL Super Flush TYPE C
LOAD & BKDN: BBL-GAL PAD: BBL-GAL
TREATMENT: BBL-GAL DISP. BBL-GAL 116
CEMENT SLURRY BBL-GAL 30.27
TOTAL VOLUME: BBL-GAL

REMARKS
See Job Log
THANK YOU!

CUSTOMER AMERICAN LEASE ABILE WELL NO. 9 JOB TYPE LONG STRING DATE 8-20-92

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

ORIGINAL
FOR INVOICE AND
TICKET NO. 246001

A Division of Halliburton Company

DATE 8-20-92		CUSTOMER ORDER NO.		WELL NO. AND FARM Abell #9		COUNTY Clark		STATE Ks.	
CHARGE TO American Warrior				OWNER American Warrior		CONTRACTOR Eagle Drlg.		No. B 118382	
MAILING ADDRESS				DELIVERED FROM Pratt, Ks.		LOCATION CODE 25555		PREPARED BY S.C. Henry	
CITY & STATE				DELIVERED TO Location		TRUCK NO. 3656-7488		RECEIVED BY B. Crosswhite	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY.	MEAS.	QTY.	MEAS.		
104-308	516.00261		Standard Cement	125	sk			6.06	757.50
109-968	516.00158		Salt Blended 18%W/125	1000	lb.			.10	100.00
107-210	890.50071		Flocele Blended 1/4#W/125	31	lb.			1.30	40.30
107-775	516.00144		Halad-322 Blended .75%W/125	88	lb.			6.30	554.40
108-127	890.50131		Cal Seal Blended 5%W/125	6	sk			19.70	118.20
			25 40%Pozmix/60%Cement						
1504-308	516.00261		Standard Cement	15	sk			6.06	90.90
506-105	516.00286		Pozmix A	10	sk	740	lb.	.048	35.52
506-121	516.00259		Halliburton Gel 2% Allowed	1	sk				NC

THIS IS NOT AN INVOICE

MAR 03 1993

CONSERVATION DIVISION
MICHIGAN

Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES		TON MILES			
SERVICE CHARGE ON MATERIALS RETURNED						CU. FEET			
100-207		SERVICE CHARGE				CU. FEET 174		1.15 200.10	
100-306		Mileage Charge 15,662 TOTAL WEIGHT		83 LOADED MILES		649.97 TON MILES		.80 529.98	
No. B 118382						CARRY FORWARD TO INVOICE.		SUB-TOTAL	
								2416.90	

CUSTOMER

JOB LOG

WELL NO. 9 LEASE ABFL TICKET NO. 246001

CULMER AMERICAN WARRIOR PAGE NO. 1

FORM 2013 R-2

JOB TYPE LONGSTRING DATE 8-20-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							Called Out
	0910							On 100 Rig Riggins up to Run Pipe
	1000							St. Csg. Ran Guide Sizer on Bottom of Sizer Joint Insert Front Valve with Mill up on Top of Sizer Joint Centralizers on 1st, 4th, 5th, 10th, 14th and 16th Joint Baskets on 5th and 10th Joints
	1210							Csg. on Bottom Drop Ball
	1300	5	6					Hookup to Circ Hookup to TRK. 300 Pump 250 gal SUPER FLOW 400 Pump 2 BBL SPACER
	1304	5						300 ST. Cement with 125 sz. EM-2 3% CRISTAL, 15% SALT, 3/4% HALLID 200 and 1/2 H Floccle
	1310		30 1/2					0 FINISH Cement Washout Pump & Lines Release Plug
	1312	7 1/4						100 ST. Disp 1300 FINISH Disp Plug Landed
	1321							Release PSI Front Valve
	1330							Plug Ratchet & Mousehole with 25 sz 60-40 Per-Mix 6% gal
	1400		7					Wash & Breakup TRK. Job Complete
								THANK YOU Bunch & Crew

RECEIVED
KANSAS CORPORATION
MAR 03 1993
CONSERVATION DIVISION
WICHITA, KS