

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

ORIGINAL

Operator: License # 4058

Name: American Warrior, Inc.

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

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

Operator Contact Person: Scott Corsair

Phone ( 785 ) 398-2270

Contractor: Name: Discovery Drilling, Inc.

License: 31548

Wellsite Geologist: Scott Corsair

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  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  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5-24-96 5-29-96 5-23-1997  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,934 0000

County Ness

100 <sup>N</sup> NE-SE -NE Sec. 33 Twp. 20S Rge. 22 <sup>E</sup><sub>XW</sub>

1550 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name Barricklow Well # 1

Field Name Barricklow

Producing Formation NA

Elevation: Ground 2177 KB 2185

Total Depth 4344 PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 268.16 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1375 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan P4A2-27-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 26,000 ppm Fluid volume 3000 bbls

Dewatering method used Evaporation

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

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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 1-10-1998

Subscribed and sworn to before me this 10th day of January, 19 98.

Notary Public Bernice Moore

Date Commission Expires 2/7/98

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
STATE OF KANSAS  
DISTRIBUTION  
 SWD/Rep  NGPA  
 Plug  Other (Specify)  
1-13-98



Operator Name American Warrior, Inc. Lease Name Barricklow Well # 1  
 Sec. 33 Twp. 20S Rge. 22  East  West  
 County Ness

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1392	+793
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3670	-1485
List All E.Logs Run:		Lansing	3718	-1533
		Pawnee	4156	-1971
		Ft. Scott	4235	-2050
		Cherokee	4260	-2075
		Mississippian Osage	4342	-2157

CASING RECORD <input type="checkbox"/> New <input checked="" 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 Pipe	12 1/4	8 5/8	20	268.16	60/40Poz	160	2%Gel&3%CC
Production ST	7 7/8	5 1/2	14&15.5	4341	EA-2	100	

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
4	4295-4303	250 gal 15% MCA	4295-4303
4	4243-4250	500 gal 15% MCA	4243-50

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval:  Other (Specify) \_\_\_\_\_



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO:

AMERICAN WARRIOR INC

ADDRESS

CITY, STATE, ZIP CODE

CUSTOMER COPY

TICKET

No.

103554 - 0

PAGE 1 OF 2

SERVICE LOCATIONS 1. HAYS, KS	WELL/PROJECT NO. 1	LEASE BARDCLOW	COUNTY/PARISH NESS	STATE KS	CITY/OFFSHORE LOCATION	DATE 5-30-96	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR DISCOVERY DRILLING	RIG NAME/NO.	SHIPPED VIA 53293	DELIVERED TO LOUJON	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO. 15135239340000	WELL LOCATION 33	Y R 20s - 22w	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE		80	ME		2.85	228.00
001-016		1			PUMP SERVICE		4341	FT		16.70	1670.00
018-317		1			SUPERFLUSH		7	SECS		100.00	700.00
314-163		1			CUMEX II		2	GAL		28.00	56.00
80	855.137	1			FORMAZON PACKER SHOES		1	EA	5 1/2"	2701.00	2701.00
40	806.6002	1			CONTRALZERS S-4		5	EA	5 1/2"	104.00	520.00
320	806.71430	1			BASKETS		2	EA	5 1/2"	104.00	208.00
82	855.02543	1			FILL UP ASSY.		1	EA		60.00	60.00
73	813.0151	1			PORT COLLAR - TECH LEVE		1	EA	5 1/2"	1200.00	1200.00

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.  MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  X <i>Scott Carson</i> DATE SIGNED 5-30-96 TIME SIGNED 1000 A.M.	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN			<b>SURVEY</b>			AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <b>7343.00</b>  FROM CONTINUATION PAGE(S) <b>3474.21</b>  SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>10817.21</b>
	TYPE LOCK	DEPTH		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?						
	BEAN SIZE	SPACERS		WE UNDERSTOOD AND MET YOUR NEEDS?						
	TYPE OF EQUALIZING SUB.	CASING PRESSURE		OUR SERVICE WAS PERFORMED WITHOUT DELAY?						
	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
DATE SIGNED	TIME SIGNED	TREE CONNECTION		TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>Scott Carson</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>Scott Carson</i>	HALLIBURTON OPERATOR/ENGINEER <i>WARRIOR WILSON</i>	EMP # R9377	HALLIBURTON APPROVAL
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JOB LOG HAL-2013-C

CUSTOMER AMERICAN WARRIOR L.J.	WELL NO. 1	LEASE BARRICKLOW	JOB TYPE 5 1/2" LONGSTROKE	TICKET NO. 103554
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0530							CYLED OUT
	0830							ON LOCATION - DISCUSS JOB PROCEDURE
	1110							BREAK CIRCULATION - MUD PUMP ↓ 1103 PSE
1	1157	6	20		✓		500	START CEMENT # WATER - SET PACKER SHOE
		6			✓		500	FRESH CEMENT WATER
		6	3		✓		500	FRESH WATER
		6	7		✓		500	SUPERFLUSH ORIGINAL
		6	3		✓		500	FRESH WATER
	1207		8 1/2					PLUG BATHOLE - MOUSEHOLE
	1215	6 1/2	33.1		✓		450	MIX CEMENT 25 HLC, 100 SA-2
	1225							WASH OUT PUMP & LINES
	1226							RELEASE PLUG
	1228	6 1/2	0		✓		600	DISPLACE PLUG
	1246		105.4				1500	PLUG DOWN
	1248						OK	RELEASE PSE - HELD
								WASH UP
								RACK UP
	1400							JOB COMPLETE
								THANK YOU
								PUMPTIME - HOUR WASTE DUMP CHECK

CUSTOMER



**JOB  
SUMMA.**

HALLIBURTON  
DIVISION  
HALLIBURTON  
LOCATION

MUD LOG  
11/2/88

BILLED ON  
TICKET NO. 102554

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 33 TWP. 20S RNG. 22W COUNTY N.S.S. STATE KY

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 \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	14	5 1/2	KB	4341	
LINER						
TUBING						
OPEN HOLE			7 7/8	4341	4344	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-30</u>	DATE <u>5-30</u>	DATE <u>5-30</u>	DATE <u>5-30</u>
TIME <u>0730</u>	TIME <u>0230</u>	TIME <u>1145</u>	TIME <u>1400</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
	PJ	
<u>W. WILSON</u>	<u>39604</u>	<u>1102, KY</u>
	PTAR	
<u>D. A. H.</u>	<u>53243M</u>	<u>"</u>
	BULK	
<u>C. WOODS</u>	<u>3860</u>	<u>"</u>

**ORIGINAL**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>5/4</u>	<u>5</u>	<u>HOWARD</u>
BOTTOM PLUG <u>BULK</u>	<u>2</u>	<u>"</u>
TOP PLUG <u>PROB. L.D.</u>	<u>1</u>	<u>"</u>
HEAD <u>PC</u>	<u>1</u>	<u>"</u>
PACKER <u>SAK</u>	<u>1</u>	<u>"</u>
OTHER <u>PORT COLLAR</u>	<u>1</u>	<u>TECHNEX</u>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB 5 1/2" LOGGING  
PORT COLLAR @ 1375' TOP JT @ 89'  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR Wing & W COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>30</u>	<u>11C</u>		<u>B</u>	<u>(25 SANDWICH - 15 ROTINE - 10 MORTON)</u>	<u>1.91</u>	<u>12.13</u>
	<u>100</u>	<u>102</u>		<u>B</u>	<u>5% CASAL 12/55/17, 11.75 INVA 322, 3/10 HOWARD 341, 5 # GORMITE P/S</u>	<u>1.38</u>	<u>15.41</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRES LUSH (BBL.-GAL.) 20 / 7 TYPE CUMUL / SURFILL  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL (BBL.-GAL.) 105.4  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY (BBL.-GAL.) 216 116  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 2542 REASON LATCH DOWN RAFFLE

REMARKS  
SEE CHART - JOB LOG  
TRAIL 20

**CUSTOMER**

NOV 18 1997 09:43

CORPORATION COMMISSION

Market, Room 2078

KS 67202

K.A.R. - 02-3-117

API NUMBER 15-125-2-1-334

ORIGINAL

COPY

TYPE OR PRINT

NOTICE: Fill out completely and return to Cons. Div. office within 30 days.

LEASE NAME Barricklow

WELL NUMBER 1

Ft. from S Section L

Ft. from E Section L

SEC. 33 TWP. 20SRGE. 22W (E) or

COUNTY Ness

Date Well Completed

Plugging Commenced 5-21-97

Plugging Completed 5-23-97

LEASE OPERATOR American Warrior, Inc.

ADDRESS P. O. Box 399 Garden City, KS 67846

PHONE# (913) 398-2270 OPERATORS LICENSE NO. 4058

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on

by (KCC District Agent's Name)

Is ACO-1 filed? If not, is well log attached?

Producing Formation Depth to Top Bottom T.D. 4344'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8 5/8	268'	none
				5 1/2	4341'	3000'

Describe in detail the manner in which the well was plugged, indicating where the mud plug placed and the method or methods used in introducing it into the hole. If cement or other were used, state the character of same and depth placed, from feet to feet each. Sanded off bottom to 4200' & ran 5 sks cement. Shot at 3500', worked pipe. Shot at 3000', worked pipe free. Pulled pipe up to 1390'. Halliburton pumped 50 sks cement @ 1390'. Pull pipe up to 750', pumped 80 sks cement w/200# hulls. Pulled pipe up to 300', pumped 50 sks cement. Pulled up to 40' & circulated 10 sks cement to surface. Pulled out rest of pipe. Topped off. Plugging complete. 60/40 68

Name of Plugging Contractor Mike's Testing & Salvage, Inc. License No. 31529

Address P.O. Box 467 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: American Warrior, Inc.

STATE OF Kansas COUNTY OF Rice, ss.

Mike Kelso (Employee of Operator) or (Operator) above-described well, being first duly sworn on oath, says: That I have knowledge of the facts stated herein, and matters herein contained and the log of the above-described well as filed with the same are true and correct, so help me God.

(Signature) [Signature]

(Address) P. O. Box 467 Chase, KS 67524

SUBSCRIBED AND SWORN TO before me this 30th day of May, 1997

Notary Public

My Commission Expires:



Form Revised

**ORIGINAL**

**SCOTT CORSAIR**

**PETROLEUM GEOLOGIST**

210 Avenue A P.O. Box 6  
Bazine, Ks 67516  
913-398-2270 Mobile 913-731-5060  
FAX 913-398-2586

**GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

Barricklow No. 1  
100' N of C NE SE NE  
Section 33-20S-22W  
Ness County, Kansas

SEARCHED INDEXED  
SERIALIZED FILED

JAN 13 1998



ORIGINAL

OPERATOR: AMERICAN WARRIOR, INC.  
WELL: BARRICKLOW No. 1  
API NO.: 15-135-23934  
LOCATION: 100' N OF NE SE NE, 33-20S-22W  
WELLSITE: PASTURE  
COMMENCED: MAY 23, 1996  
COMPLETED: MAY 30, 1996  
ELEVATIONS: 2177' GL ; 2185' KB  
TOTAL DEPTH: 4344' (DRILLER)  
CASING: SURFACE: 8 5/8 @ 268/160 SKS.  
PRODUCTION: 5 1/2 @ 4341' W/ PKR. SHOE.  
/100 SKS  
PORT COLLAR @ 1375'  
SAMPLES: 10 FT. FROM 3600' TO T.D.  
LOGS: NONE  
DRILLSTEM TESTS: NONE  
CONTRACTOR: DISCOVERY DRILLING (RIG 1)

REMARKS: Geological supervision: 3600' - T.D. All tops and T. D. are 7 feet too high due to an error in Driller's measurements. All tops and T. D. are as originally noted, no correction has been made.

FORMATION TOPS	SAMPLES	ELECTRICAL LOG
	SUBSEA	SUBSEA
Anhydrite	1392 + 793	
Heebner	3670 -1485	
Lansing	3718 -1533	
Pawnee	4156 -1971	
Ft. Scott	4235 -2050	
Cherokee	4260 -2075	
Mississippian Osage	4342 -2157	

STATE CORPORATION COMMISSION

JUN 03 1998

## SAMPLE ZONE DESCRIPTION

Driller's Measurements

### LANSING-KANSAS CITY 3718 -1533

There were no shows of oil/gas observed in the porous zones during the drilling of the Lansing-Kansas City section.

### PAWNEE 4156 -1971

There were no shows of oil/gas observed during the drilling of the Pawnee section.

### FT. SCOTT 4235 -2050

**Limestone:** gray, crystalline, poor intercrystalline porosity, very slight show of free oil, fair fluorescence and good cut fluorescence, no odor.

### CHEROKEE 4308 -2027

4295-4303, **Conglomerate: Chert:** clear to cream, tripolitic in part, good show of free oil, dull fluorescence, good cut fluorescence, trace of **Dolomite & Sandstone.**

### MISSISSIPPIAN OSAGE 4342 -2157

**Dolomite:** white, mottled tan, micritic, fair show of free oil, dull fluorescence and good cut, changing to tan sparry with depth, good intercrystalline porosity, good show of free oil, dull fluorescence, excellent cut, fair odor; **Chert:** white, tripolitic, trace with fair vuggy porosity, good show of free oil, dull fluorescence and good cut.

FORMATION	AMERICAN WARRIOR, INC. Barricklow #1 100' N NE SE NE 33-20s-22W	O. A. Sutton #1 Dean SE NE 33-20S-22W	Dane G. Hansen Trust #6 McFadden W/2 W/2 NW 34-20S-22W
Anhydrite	+793	+789	+791
Lansing	-1533	-1544	-1521
Ft. Scott	-2050	-2062	-2038
Mississippian Osage	-2157	-2144	-2141

STATE OF KANSAS  
DEPARTMENT OF REVENUE

JAN 13 1978

## SUMMARY AND RECOMMENDATIONS

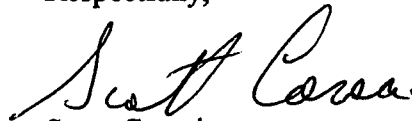
Structural position and sample examination indicate probable commercial production from the Mississippian Osage. Based upon available data 5 1/2" production casing was set.

Pipe was set 3 feet off bottom with a packer shoe set @ 4341'. The following zones are recommended for testing.

1. Mississippian Osage: 4341-4344 (open hole)
2. Cherokee Conglomerate: 4295-4303
3. Ft. Scott: 4243-4250

Measurements were taken from rotary kelly bushing ( 8 feet above ground level). Driller's measurements are taken as correct.

Respectfully,



Scott Corsair  
Petroleum Geologist

RECEIVED  
STATE OIL AND GAS COMMISSION

JAN 13 1998



**HALLIBURTON ENERGY SERVICES**  
HAL-1906-P

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

CUSTOMER COPY

TICKET

No.

103829 - 0

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays, KS.</u>	WELL/PROJECT NO. # <u>1</u>	LEASE <u>Barmicklow</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS.</u>	CITY/OFFSHORE LOCATION	DATE <u>5-23-96</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Discovery Drilg.</u>	RIG NAME/NO. <u>#1</u>	SHIPPED VIA <u>51145</u>	DELIVERED TO <u>Well site</u>	ORDER NO. <u>API = 15135239340000</u>
3.	<input type="checkbox"/> SALES	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION <u>33-20<sup>S</sup>-22<sup>W</sup></u>	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		/			MILEAGE (RTM 51145)	100	m			2.85	285.00
001-016		/			Pump Charge	268	ft.			5.85	585.00
030-503		/			Top Plug	1	ea	8 5/8	in	95.00	95.00
ORIGINAL											

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.  MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE <input type="checkbox"/>			PAGE TOTAL <u>965.00</u>  FROM CONTINUATION PAGE(S) <u>1959.19</u>  SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>2924.19</u>
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
DATE SIGNED <u>5-23-96</u>	TIME SIGNED <u>2130</u>	<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>x Bill Steen</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>x Bill Steen</u>	HALLIBURTON OPERATOR/ENGINEER <u>Edgar Reynolds 47558</u>	EMP #	HALLIBURTON APPROVAL
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**WELL DATA**

FIELD \_\_\_\_\_ SEC 33 TWP 20<sup>S</sup> RNG 22<sup>W</sup> COUNTY NESS 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 \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 270'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>20</u>	<u>8 1/2"</u>	<u>K8</u>	<u>268</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-15-76</u> TIME <u>1815</u>	DATE <u>5-22-76</u> TIME <u>1000</u>	DATE <u>5-28-76</u> TIME <u>1300</u>	DATE <u>5-28-76</u> TIME <u>1400</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>LA 10</u>	<u>8 1/2"</u>
HEAD	<u>1ea</u>	<u>Hales</u>
PACKER		
OTHER		

**ORIGINAL**

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u>	<u>47508</u>	<u>124</u>
<u>Engineering</u>	<u>412002</u>	<u>Remitt 400</u>
<u>D. Berland</u>	<u>21145</u>	<u>BW</u>

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Construction

DESCRIPTION OF JOB Cement 8 1/2" Surface Csg

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Bill Sker

HALLIBURTON OPERATOR Ed Reynolds COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>160</u>	<u>40160 R2</u>	<u>R2</u>		<u>23566 37.0</u>	<u>11.8</u>	<u>14.0</u>

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

**SUMMARY**

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 16.5

CEMENT SLURRY: BBL.-GAL. 37.0

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

**REMARKS**

Ordered \_\_\_\_\_ Available \_\_\_\_\_ Used \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 15' REASON Requested

REMARKS: Save Job Log & Chart  
Cement did not  
Thank you

**CUSTOMER**