

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

API NO. 15- 135-23904 0000

County Ness

50' N/2-SW - 25 Sec. 25 Twp. 19S Rge. 22 X W ^E

1980 Feet from S/N (circle one) Line of Section

1270 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 Wagner Well # 4

Field Name Schaben

Producing Formation Mississippian

Elevation: Ground 2268 KB 2276

Total Depth 4391 PBTD _____

Amount of Surface Pipe Set and Cemented at 510.33 Feet

Multiple Stage Cementing Collar Used? X Yes _____ No

If yes, show depth set 1469 Feet

If Alternate II completion, cement circulated from 1469

feet depth to surface w/ 200 sx cmt.

Drilling Fluid Management Plan ACT II Oil Per Dist #1
(Data must be collected from the Reserve Pit) (LACY)
10-16-97 DPW

Chloride content 19,000 ppm Fluid volume 2500 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. 2

Operator: License # 4058 ORIGINAL

Name: American Warrior, Inc.

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: Texaco

Operator Contact Person: Scott Corsair

Phone (913) 398-2270

Contractor: Name: Discovery Drilling, Inc

License: 31548

Wellsite Geologist: Scott Corsair

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

X Oil _____ SWD _____ SLOW _____ 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. _____

9-11-95 9-17-95 9-18-95
Spud Date Date Reached TD Completion Date

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 1-12-1996

Subscribed and sworn to before me this 12th day of January, 19 96.

Notary Public Bernice Moore

Date Commission Expires 2/7/98



7-21-97 DPW
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)

Operator Name American Warrior, Inc. Lease Name Wagner Well # 4
 Sec. 25 Twp. 19S 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 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:

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Anhydrite	1494	+782
Heebner	3738	-1462
Lansing	3784	-1508
Pawnee	4204	-1928
Ft. Scott	4290	-2014
Cherokee	4316	-2040
Mississippian	4382	-2106
Osage		

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
Surface Pipe	12 1/4	8 5/8	23	510/33	60/40Poz	250	2%Gel&3%CC
Production St	7 7/8	5 1/2	15.5	4382	EA/2	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Surf/1469	HLC	200	

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

TUBING RECORD Size 2 7/8 Set At 4350 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. 1-1-96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	18		220		40

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 4382-4391

Other (Specify) _____

ORIGINAL

TRILOBITE TESTING L.L.C.

15-135-23904

OPERATOR : American Warrior Inc..

DATE 9-14-95

WELL NAME: Wagner #4

KB 2276.00 ft

TICKET NO: 8509

DST #1

LOCATION : 25-22S-22W, Ness Cty, KS

GR 2268.00 ft

FORMATION: Chase group

INTERVAL : 2366.00 To 2460.00 ft

TD 2460.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	24174	24174	2341			PF Fr. 0413 to 0458 hr
SI 45	Range(Psi)	3050.0	3050.0	4995.0	0.0	0.0	IS Fr. 0458 to 0543 hr
SF 120	Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 0543 to 0743 hr
FS 0	Depth(ft)	2431.0	2431.0	2370.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	1303.0	1293.0	1290.0	0.0	0.0	T STARTED 0310 hr
B. First Flow	82.0	76.0	13.0	0.0	0.0	T ON BOTM 0410 hr
B1. Final Flow	104.0	101.0	83.0	0.0	0.0	T OPEN 0413 hr
C. In Shut-in	675.0	673.0	663.0	0.0	0.0	T PULLED 0743 hr
D. Init Flow	134.0	136.0	87.0	0.0	0.0	T OUT 0825 hr
E. Final Flow	202.0	208.0	192.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	1295.0	1292.0	1255.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 4500.00 lbs

RECOVERY

Tot Fluid 330.00 ft of 0.00 ft in DC and 330.00 ft in DP
 90.00 ft of Thin mud
 240.00 ft of Muddy water - 80% water, 20% mud

1997 JUL 18 P 1:29
 RECEIVED
 KANSAS CORP COMM

Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	24000.00 lbs
Initial Str Wt	32000.00 lbs
Unseated Str Wt	35000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	2355.00 ft

RW .15 @ 71.5 F

SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 1" blow building to bottom of bucket
 in 22 min

Initial Shutin -
 No blow

Final Blow -
 .5" blow building to bottom of bucket
 in 38 min

Final Shutin -
 None taken

MUD DATA-----	
Mud Type	Starch
Weight	10.10 lb/
Vis.	38.00 S/L
W.L.	20.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	95.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Scott Corsair
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

WELL DATA

FIELD _____ SEC. 29 TWP. 19 RNG. 22.1 COUNTY _____ STATE _____

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 _____

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes DATE and TIME for each.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Lists items like FLOAT COLLAR, GUIDE SHOE, CENTRALIZERS, etc.

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 _____

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes handwritten names and unit numbers.

ORIGINAL

DEPARTMENT _____
DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING [] CASING [X] ANNULUS [] TBG./ANN. []

CUSTOMER REPRESENTATIVE [X] _____

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 31.7
CEMENT SLURRY: BBL.-GAL. 37.9
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

SEE JOB LOG FOR SHORT
THANK YOU

CUSTOMER

CUSTOMER: ... LEASE: ... WELL NO.: ... JOB TYPE: ... DATE: 9-18-12


JOB LOG HAL-2013-C

CUSTOMER ADY... ..	WELL NO. 4	LEASE L... ..	JOB TYPE REPAIR - RETAIL	TICKET NO. 23493
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2230	9-11-95						CALLD OUT
	0100							ON LOCATION - DISCUSS JOB PROCEEDURE BREAK CIRCULATION
	0417	6	57.9		✓	300		MAX CEMENT ORIGINAL
	0427							RELEASE PLUG
	0429	7	31.7		✓	350		RELEASE PLUG (1" MAXIMUM)
	0435							PLUG DOWN
								CIRCULATED 35 SPS CEMENT TO BIT ✓
								SHUT IN
								WASH UP
								PACK UP
	0530							JOB COMPLETE

RECEIVED
 KANSAS CORP COMM
 1997 JUL 13 PM 1:28

THANK YOU
 DAVE - WOOD
 CRAIG

PUMP TIME = 25 min



EK 4444-5070

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 839943

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER American Warrior	WELL Wagner #4	DATE 9-12-95	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-136		1			40/60 Pozmix Standard	250				7 16	1,780 00
506-121		1			4sk Halliburton Gel@2%						n/c
509-406		1			Calcium Chloride	6:29				36 75	220 50
ORIGINAL											
500-207		1			SERVICE CHARGE					1 35	353 70
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 21,055	LOADED MILES 54	TON MILES 568.485		95	540 06

No. B 285423

CONTINUATION TOTAL	2,904.26
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HALLIBURTON ENERGY SERVICES

HAL-1906-N

SERVICE LOCATIONS 1. <i>WAG-32</i>		WELL/PROJECT NO. 4		LEASE <i>WAG-32</i>		COUNTY/PARISH KANSAS CORP COMM		STATE KS		CITY/OFFSHORE LOCATION		DATE 9-15-95		OWNER SOM	
2. <i>WAG-32</i>		TICKET TYPE <input checked="" type="checkbox"/> SERVICE		NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		CONTRACTOR <i>WAG-32</i>		RIG NAME/NO 1111 JUL 18 P 1		SHIPPED VIA 4000		DELIVERED TO <i>WAG-32</i>		ORDER NO.	
3. <i>WAG-32</i>		WELL TYPE 01		WELL CATEGORY 01		JOB PURPOSE 035		WELL PERMIT NO. 151352310-0000		WELL LOCATION T P 22W					
4. REFERRAL LOCATION		INVOICE INSTRUCTIONS													

No. 839945 - 8

PAGE 1 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC.	ACCT	DF							
		1			MILEAGE	110	MZ			2.15	236.50
001-315		1			PUMP SERVICES	1		6.70		1570.00	1570.00
012-315		1			MUD FRESH	500	GA			5.5	2750.00
80	255.00	1			ELEMENTS POWER SHOE	1	EA	5.12		2504.00	2504.00
82	855.00	1			AUTO EQUALIZING JOINT	1	EA			60.00	60.00
40	806.00	1			CENTRIFUGES (1)	5	EA	5.12		60.00	305.00
73	812.00	1			PORT COLLAR (2) 1409 (24)	1	EA	5.12		1350.00	1350.00
310	800.00	1			CEMENT BASKET (1)	2	EA	5.12		110.00	220.00

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 *[Signature]*

DATE SIGNED: 9-15-95 TIME SIGNED: 0700 A.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

SURVEY AGREE UN-DECIDED DIS-AGREE

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

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: 6731.50

FROM CONTINUATION PAGE(S): 2254.04

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 9586.14

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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	X <i>[Signature]</i>	<i>WAG-32</i>	24371	



TICKET CONTINUATION

DUNCAN COPY

TICKET No. **839946**

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

Trk. 51252-76103

CUSTOMER American Warrior RECEIVED
KANSAS CORP COM

WELL #4 Wagner

DATE 9-18-95

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-316		1			Halliburton Light Cement	125				8 03	1,003 75
507-210		1			Flocele Blended	16	1b			1 65	26 40
504-136		1			40/60 Pozmix Cement W/2% Gel	100				7 16	716 00
509-968		1			Salt Blended	500	1b			.15	75 00
500-153		1			CFR-3 Blended	42	1b			4 85	203 70
ORIGINAL											
500-207		1			SERVICE CHARGE	CUBIC FEET		233		1 35	314 55
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		.95	915 24
					19,722	55	542.355				

CONTINUATION TOTAL 2,854.64

No. B 285431

WELL DATA

FIELD _____ SEC 25 TWP. 19 RNG. 22 COUNTY _____ 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 _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	15.5	5 1/2	VB	4383	
LINER						
TUBING						
OPEN HOLE			778	4383	4391	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5/8" x 2 1/2"</u>	1	<u>Huck</u>
FLOAT SHOE <u>5/8" x 2 1/2"</u>	1	<u>Ray</u>
GUIDE SHOE		
CENTRALIZERS <u>2 1/2"</u>	2	<u>Huck</u>
BOTTOM PLUG		
TOP PLUG <u>5/8" x 2 1/2"</u>	1	<u>"</u>
HEAD <u>2 1/2"</u>	1	<u>"</u>
PACKER <u>5/8" x 2 1/2"</u>	1	<u>"</u>
OTHER <u>2 1/2"</u>	2	<u>"</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-18</u>	DATE <u>9-18</u>	DATE <u>9-18</u>	DATE <u>9-18</u>
TIME <u>1300</u>	TIME <u>0530</u>	TIME <u>1000</u>	TIME <u>1300</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. WILSON</u>	<u>B9377</u>	<u>11025, KS</u>
<u>B. A. H.</u>	<u>E1604</u>	<u>"</u>
<u>C. DONOHUE</u>	<u>4110</u>	<u>"</u>
	<u>BULK</u>	<u>"</u>
	<u>5122-7603</u>	<u>"</u>
	<u>Part Jul 18 P</u>	<u>"</u>

ORIGINAL

RECEIVED
KANSAS CORP
JUL 18 P

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

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 CHART

DESCRIPTION OF JOB 5 1/2" LOGS PERFORMED

POST CODE 1469 JOB IT # 91

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	125	<u>MCC</u>		B	<u>1/4" d/riser P/K</u>	1.24	12.7
	100	<u>40/5 POC 60/20 30</u>		B	<u>2 1/2" F. G. 10/20 20T, 4 1/2" CR-3</u>	1.29	14.4

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH BBL-GAL. 12 TYPE MUDFIL

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 104

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL. 41-23 = 64

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 26' REASON UPPER BOUND RATE

REMARKS

SEE JOB LOG & CHART

THANK YOU

CUSTOMER



JOB LOG HAL-2013-C

CUSTOMER: AMUNDIA WOODS	WELL NO.: 4	LEASE: WOODS	JOB TYPE: 5/8" LOG STRING	TICKET NO.: 20111
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							CALIB OUT
	0530							ON LOGGING - REVIEW FOR PROBLEMS & SAFETY MEETING
	0830							START 3/4" CASING TO WELL
	1020							BREAK CONNECTION
1	1109	1	0			✓	100	START MUDFLOW
	1116					✓	100	SET PACKER SHOE
	1117	6	12			✓	250	FORMER MUDFLOW
	1125							PLUG BATHING - 15 MIN
	1127							PLUG MOUNTING - 12 MIN
	1130	5 1/2	0 1/2			✓	200	MAX CEMENT (100 lbs - 100 gal)
	1143							WASH OUT PUMP - 15 MIN
	1144							RELEASE PLUG
	1146	7	0			✓	500	RELEASE PLUG
	1203		104				1500	PLUG BATHING
	1205						1500	RELEASE PLUG - 11 MIN
								WASH-UP
								BACK-UP
	1300							JOB COMPLETE
								PUMP TIME - 55 MIN

ORIGINAL

RECEIVED
 KANSAS CORP/CCMA
 1997 JUL 18 P 1:28

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
American Whinn		#4		Wagner		Tool - CMT.		915 101	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
1	0800								Called out
	0940								On loc. Discuss safety - set up plant
	0945								Rig pulling tbg.
	1020								out of hole w/ tbg.
	1200		90			1000 [#]			start Plug - Port collar opening tool
	1220		12						set Plug @ 3200 - Line Hole
	1440	2				200 [#]	200 [#]		w/ 90 BBLs SW. Test Plug OK
	1445	3							spot 2 sks sand on Plug w/ 12 BBL
	1412		65						Pull tbg to look for Port collar
			5						Port collar @ 1430
									Port collar open take inj Rate
									blow on head on head
									start mix cont. 200 sks 40/60 per
									1/2 E. fluid.
									Pump total of 18 BBL before circ.
									FIN mix cont
						500 [#]	500 [#]		start Pumping Disp - 5 BBLs
									close port collar
									Run 250 sks total of 120'
									circ return short way.
	1440								go down + wash sand off Plug
	1430								Release Bit String
	1515								wash sand off Plug short way
	1600	3	19						cleanup hole
									Job complete

ORIGINAL

CMT did not circ.

RECEIVED
 MANSAS CORP. COMM.
 1997 JUL 18 P 1:28

Thanks Alan Ray, Comm

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ COUNTY *Wess* STATE *Mo*

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 *Ball Valve Opening Tool* SET AT *1450*

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA *Plug @ 2700* TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<i>5 7/8</i>			
LINER						
TUBING			<i>2 7/8</i>			
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<i>10-4-95</i>	<i>10-4-95</i>	<i>10-4-95</i>	<i>10-4-95</i>
TIME <i>0800</i>	TIME <i>0940</i>	TIME <i>1000</i>	TIME <i>1600</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Jogleira 80719</i>	<i>38422 Pick up</i>	<i>Hays, Mo</i>
<i>L. Reynolds 41558</i>	<i>51797 RCM</i>	<i>Hays, Mo</i>
<i>A. T. Worth 86101</i>	<i>PU 40071</i>	<i>Hays, Mo</i>
<i>R. Barrett 57200</i>	<i>RCM 51374</i>	<i>Hays, Mo</i>
<i>C. Dodson 111659</i>	<i>5070 4444</i>	<i>Hays, Mo</i>

ORIGINAL

DEPARTMENT *Tool - Cmt.*

DESCRIPTION OF JOB *Cmt. Top outside thru Port Collar*

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

CUSTOMER REPRESENTATIVE *X [Signature]*

HALLIBURTON OPERATOR *Roger B. Jogleira* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>300</i>	<i>HAC</i>	<i>Port</i>	<i>B</i>	<i>1/4" Flocrete</i>	<i>1.84</i>	<i>23.7</i>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. *65.5*

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

REMARKS

See Chart + Job Log

Thank You

Roger, Allen, Row, Craig

FIELD OFFICE

CUSTOMER *HALLIBURTON*
LEASE *Wess, Mo*
WELL NO. *4*
JOB TYPE *Cmt. 100 Outside*
DATE *10-4-95*



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 915101

FORM 1911 R-10

CUSTOMER American Warrior	WELL Wagner #4	DATE 10-6-95	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QUANTITIES				UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-316		1			HALLIBURTON Light Cement	200	18	1	28	8 03	1,606 00
507-210		1			Flocele	50		1b		1 65	82 50
510-222		1			Sand 20/60	2				9 80	19 60
ORIGINAL											
500-207		1			SERVICE CHARGE	CUBIC FEET 204				1 35	275 40
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 17,530	LOADED MILES 50	TON MILES 438.250		95	416 34

No. B 285458

CONTINUATION TOTAL	2,399.84
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