

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 4058

Name: American Warrior Inc

Address PO. Box 399,

Garden CITY,

City/State/Zip KS. 67846

Purchaser: ANR

Operator Contact Person: Kevin Wiles Sr

Phone () 316-275-2963

Contractor: Name: Duke Drlg

License: 5929

Wellsite Geologist: Alan Downing

Designate Type of Completion
 New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

1-5-2000 1-16-2000 2-16-2000
Spud Date Date Reached TD Completion Date

API NO. 15- 033-21,0460000

County Comanche

80's & 60's 1e-e/2s Sec. 33 Twp. 32 Rge. 18 NE

1240' Feet from (SW) (circle one) Line of Section

600' Feet from (NW) (circle one) Line of Section

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

Lease Name Bremer Well # 1-33

File Name UN NAMED

Producing Formation Fort Scott

Elevation: Ground 2051' KB 2064'

Total Depth 5850' PSTD 5282'

Amount of Surface Pipe Set and Cemented at 626 feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan Att. 6-21-00
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 700 bbls

Dewatering method used Hauled off-site

Location of fluid disposal if hauled offsite: _____

Operator Name KBW. Oil&Gas

Lease Name HARMAN SWD License No. 5993

NW/4 Quarter Sec. 11 Twp. 33 S Rng. 20 E/W

County Comanche Docket No. 98329

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 _____
Title Production Supt. Date 5-17-2000

Subscribed and sworn to before me this 17th day of May, 2000

Notary Public _____

Date Commission Expires _____

NOTARY PUBLIC State of Kansas
MARY L. WATTS
My Appt. Exp. 03/07/2002

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)

SIDE TWO

Operator Name American Warrior Inc Lease Name Bremer Well # 1-33

Sec. 33 Twp. 32 Rge. 18
 East
 West

County Comanche

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

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)
List All E.Logs Run:

Dual IND, - Micro, -Sonic, -CDNL/GR

Name	Formation (Top), Depth and Datum	
	Top	Datum
Heebner	4312'	-2248
Lansing	4496'	-2432
Drum	4720'	-2656
KC-A	4826'	-2762
KC-B	4892'	-2828
Marmaton	4994'	-2930
Pawnee	5086'	-3022
Fort Scott	5125'	-3061
Cherokee	5140'	-3076
Miss	5215'	-3151
Viola	5748'	-3684

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	12 1/2	8-5/8'	24#	626'	Allied	325	3%cc-2%gel
Production	7-7/8	5 1/2	15.5#	5297'	Swift	125	gas-stop D-air 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
2	5130'-5134'	2000 gals 20% FE acid 5130-34'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8'	5100'	5102'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method			
SHUT IN	SI <input checked="" 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
	SI	SI	SI	

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: 5130'-34'



15-033-21046-0000 ORIGINAL CEMENTING LOG

STAGE NO.

Date 1-5-00 District _____ Ticket No. 2141
 Company American Whizzer Rig Duke 7
 Lease _____ Well No. _____
 County Cernusco State Ks.
 Location Coldwater, 35, to Field _____
Report 22, 34-5

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 1/8 Type _____ Weight 24 Collar _____

Casing Depths: Top KB Bottom 623.56

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. 0.37 Lin. ft./Bbl. 15.70
 Open Holes: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbs/Lin. ft. 0.235 Lin. ft./Bbl. 13.60
 Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: PPG fresh
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
69:36.431.00 - 4616-seal Excess _____
 Amt. 225 Skys Yield 1.97 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type _____
41:31.00 - 1922 Excess _____
 Amt. 100 Skys Yield 1.34 ft³/sk Density 15.2 PPG

WATER: Lead 16.9 gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 352 Stone Wincor
 Bulk Equip. 259-251 David west

Float Equip: Manufacturer Comaco
 Shoe: Type _____ Depth _____
 Float: Type Raffle plate Depth 581
 Centralizers: Quantity 1 Plugs Top Mud Btm. _____
 Stage Collars _____
 Special Equip. 2-packets
 Disp. Fluid Type freshwater Amt. 37 1/2 Bbbs. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Ken McGraw

CEMENTER Carl Bolding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbs Min.	
11:30						on loc.
4:00						Pipe on bottom. Break circulation.
			3	3	5	start freshwater
4:20			82	79	7 1/2	run 225 sx lead cement
4:25			107	25	5	run 100 sx tail cement
4:33						run cement in, stop pumps
4:35	190				4	switch valves & raffle plug
						start displacement
						stop pumps
4:45	350		144 1/2	37 1/2		displacement in
	150					run plug

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MAY 19 2000

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC.

ORIGINAL
2141

Federal Tax I.D. # -

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

SERVICE POINT:
Medicine Lodge

DATE <u>1-5-00</u>	SEC. <u>33</u>	TWP. <u>32s</u>	RANGE <u>18w</u>	CALLED OUT <u>9:00 pm</u>	ON LOCATION <u>11:30 pm</u>	JOB START <u>4:20 Am</u>	JOB FINISH <u>4:45 Am</u>
LEASE <u>Dr. over</u>	WELL # <u>1-33</u>	LOCATION <u>Coldwater, 3s, to airport</u>	COUNTY <u>Comanche</u>			STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>2s, 7/4 s, 2 1/4</u>				

CONTRACTOR Duke #17

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. _____

CASING SIZE 8 7/8 x 23" DEPTH 623

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 600 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42

CEMENT LEFT IN CSG. _____

OWNER American Warrior's

CEMENT AMOUNT ORDERED
225 sx 65-35-6+3/4cc + 1/4 flc-seal
5x CLASS A + 3/4cc + 2 1/2 gel

PERFS. _____

DISPLACEMENT 37 1/2 RBls freshwater

EQUIPMENT

PUMP TRUCK # 352 CEMENTER Carol Bolding
HELPER Stacy Winsor

BULK TRUCK # 289-251 DRIVER David West

BULK TRUCK # _____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

Run on bottom, break circulation
run 3 RBls freshwater
run 225 sx 65-35-6+3/4cc + 1/4 flc-seal
100 sx A+3/4cc + 2 1/2 gel
Release plug. Dipole with 37 1/2 RBls freshwater
Dump plug + shut in
Cement did circulate (355x) ✓

SERVICE

DEPTH OF JOB 623

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG Rubber _____ @ _____

TOTAL _____

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Wichita, Kansas

CHARGE TO: American Warrior

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1- Baffle plate @ _____

1- Centralizer @ _____

2- Baskets @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE B. J. Schneider

B. J. Schneider
PRINTED NAME



CHARGE TO: *American Warrick*
 ADDRESS: *P.O. Box 399*
 CITY, STATE, ZIP CODE: *Garden City, Mo.*

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CONSERVATION DIVISION
Wichita, Kansas

TICKET No 1847

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Ness City, Mo.</i>	WELL/PROJECT NO. <i>1-33</i>	LEASE <i>Bremner</i>	COUNTY/PARISH <i>Comanche</i>	STATE <i>Ks.</i>	CITY	DATE <i>1-16-00</i>	OWNER <i>Same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Dick Rig 7</i>	RIG NAME/NO.	SHIPPED VIA <i>CLT</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Cement Production Cg.</i>	WELL PERMIT NO.	WELL LOCATION <i>Sec 33-32^E-18^W</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE: <i>"103</i>	70		mi		2.00	140	00
578		1			<i>Pump Service</i>	1		ea	\$300	300	1,200	00
406		1			<i>Latch Down Plug + Bolted</i>	1		ea	5 1/2 in	200	200	00
402		1			<i>Centralizers</i>	4		ea	5 1/2 in	40	160	00
405		1			<i>Packer Shoe</i>	1		ea	5 1/2 in	1,200	1,200	00
280		1			<i>Flocheck</i>	850		gal		1.50	1,275	00
					<i>See Page #2</i>						3,137	59

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 _____ 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	UN-DECIDED	DIS-AGREE	PAGE TOTAL	7312
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				TAX	59
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

ORIGINAL

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

SWIFT OPERATOR *[Signature]*

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc. ORIGINAL

DATE 7-16-00 PAGE NO. 7

CUSTOMER American Warrior WELL NO. 1-33 LEASE Bremer JOB TYPE Long Spring TICKET NO. 1847

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1530							on loc. Rig changing over to Perm csg.
	1600							Start in hole with 5 1/2" 15.5" csg Packer shoe - latch down Part 5k on #1 Centralizers on #2, #5, #6, #8 csg. in hole Deep Pull + Circ. Valve
	1830						900	Set Packer shoe 900psf
	18:40							Pump 5" H2O spacer
	19:05		5					250gal Super fluid
			00					5" H2O spacer
			5					Plug mouse hole + Rat hole
	19:10							Pump 3" screever cent.
	19:25	5	3					Pump 100' S.M.D.C
		5	34					Finished mixing work out pump + line
								Release Latch Down Plug And Disp.
	20:00		125					Plug down 1500psf Release press. Dried up work and pack up track J.S. Complete

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Wichita, Kansas

J. Y. 2000
1/10/00
[Signature]



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 1847

CUSTOMER *American Whirlpool* WELL *Bronck 1-33* DATE *1-16-00* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
330		1				Swift Multi-Density Cont.	100	sk			9.50	950.00
325		1				Standard Cont.	25	sk			6.75	168.75
287		1				Gas stop	200	lbs			4.50	900.00
285		1				CFA-1	50	lbs.			2.75	137.50
290		1				D-A-A	50	lbs.			2.75	137.50
277		1				Gilwhite	500	lbs.			0.75	375.00
581		1				SERVICE CHARGE					1.25	125.00
583		1				MILEAGE CHARGE					0.75	344.14

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 MAY 19 2000
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 Wichita, Kansas

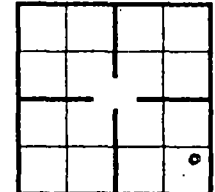
ORIGINAL

CONTINUATION TOTAL 3,137.89

GEOLOGIC
REPORT
LOG

Handwritten initials

COMPANY American Warrior Co Inc.



WELL Bremer #1-33

FIELD Wildcat

LOCATION 1240' FSL - 600' FEL

PRODUCTION Fort Scott

SEC. 33 TWP. 32s RGE. 18W

ELEVATION KB 2064

DF

COUNTY Comanche

GL 2051

STATE Kansas

Drilling Measured From: 2064 KB

Samples Saved From 4200 To: TD

Drilling Time From 4200 To: TD

Samples Examined From: 4200 To: TD

OPERATOR Duke Drilling Rig #7

Geological Supervision From 4200 To Total Depth

CONTRACTOR American Warrior

Wellsite Geologist Alan Downing

COMM: 1-5-2000 COMP: 1-16-2000

Electrical Surveys Log Tech

CASING RECORD

Dual Induction, Micro, CNL/OR, Sonic

SURF: 626'-8 5/8" PROD: 5300' 5 1/2

TOTAL DEPTH DRILLERS: 5850

TOTAL DEPTH LOG 5853

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
HEEBNEIZ	4311	4312	-2248	+11
Lansing	4495	4496	-2432	+9
Drum	4719	4720	-2656	+7
RC "A"	4825	4826	-2762	+9
RC "B"	4892	4892	-2828	+16
RKC	4983	4984	-2920	+5
Marmaton	4998	4994	-2930	+11
Flower	5086	5086	-3022	+8
Fort Scott	5124	5125	-3061	+8
Cherokee Shale	5138	5140	-3076	+7
Miss	5213	5215	-3151	-8
Viola	5748	5748	-3684	+41

REFERENCE WELL FOR STRUCTURE Imperial Oil Properties

#33-1 Bremer "A" 30's - 18W SW-NE-SW

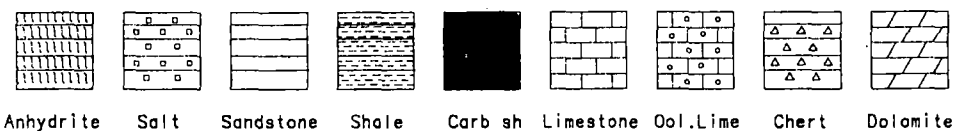
Sec 33-32s-18W Comanche Co. Ks.

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LEGEND



NEL501-8

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases

5" 10" 15" 20" 25"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

4200

50

4300

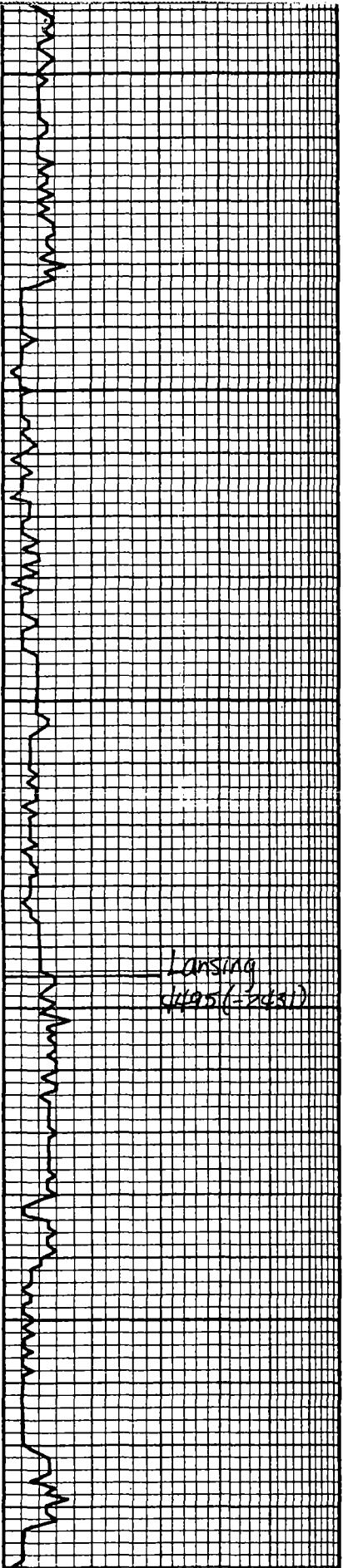
HEBNER
4311 (2247)

sn: Black - carb
 ls: Dark Bn vfxn vDSE
 sh: gray - Brown
 ls: Tan - crm f subkn
 slt. chky

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50

sh: gm

Ls: Cm f-subm, part
chalky

4400

sh: gm - Black

ss: gm v. var. angular
well sorted, black cleavage
Dirty w/ abundant gm
shales Ns.

50

ss: as above - dirty
abundant gm shales

Lansing
(1951-2437)

4500

Ls: Bm v. var. v. DSE

sh: gm

Ls: wht. off wht. v. var.
v. DSE w. scatt gm sh

Ls: Tan f. var, silt. f. var w/
wht tan chert

50

sh: gm

Ls: wht. lt. gm f-subm
w/ good interknip, No show
oil or gas - No odor

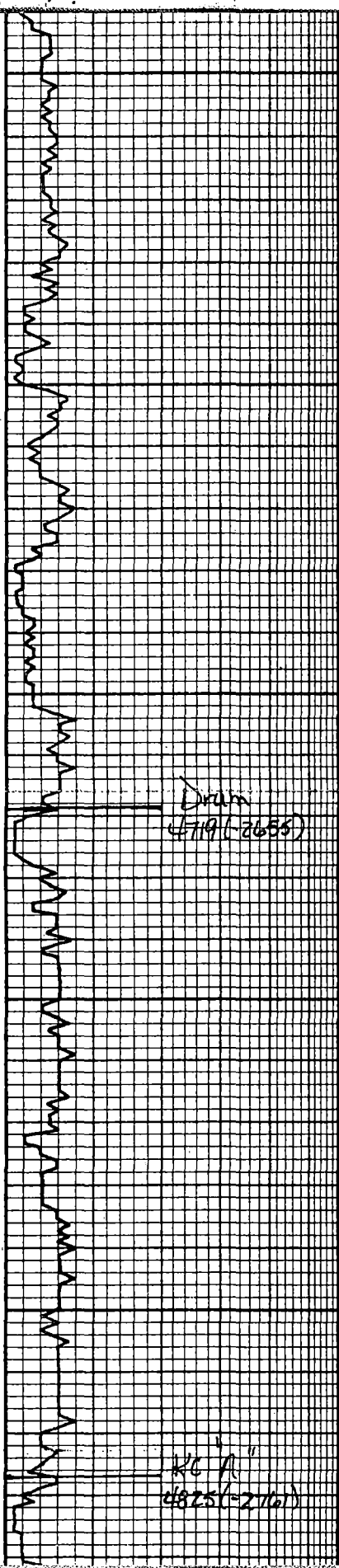
sh: Black-gm

Ls: Tan - lt. Bm f. var, w/
fair interknip Ns.

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Wichita, Kansas



4600

Ls: Tan fkn DSE
 Ls: lt. gm vkn all vDSE
 silt. foss. w/ some qnz
 chert

50

Ls: Crm - wht. fkn
 Ls: wht. off wht. subkn
 silt. foss, fair & Ns.
 Ls: wht fkn vDSE silt.
 -foss.
 sh: qnz w/ qnz - off wht
 chert
 Ls: qnz v. fkn vDSE
 Ls: Tan - lt. Tan silt foss
 w/ fair foss + inter xln &
 Ns becoming silt subkn
 to chky

4700

Ls: Brn f vkn foss w/ sm
 wht. chert.
 sh: qnz v. clark

Drain
 4719 (-2655)

Ls: Tan - lt. tan v. good
 conc, Ns - No flour
 Ls: Tan fkn DSE
 sh: qnz

50

Ls: qnz fkn, silt. foss
 w/ poor foss + inter xln &
 Ls: lt. qnz f. vkn v. DSE
 w/ scatt. qnz chert
 sh: qnz
 Ls: lt. Tan fkn silt. foss
 w/ hite foss + inter xln & Ns

4800

Ls: lt. qnz fkn, w/ fair
 inter xln & Ns
 Ls: lt. qnz f. vkn all v. DSE
 sh: Black - carb

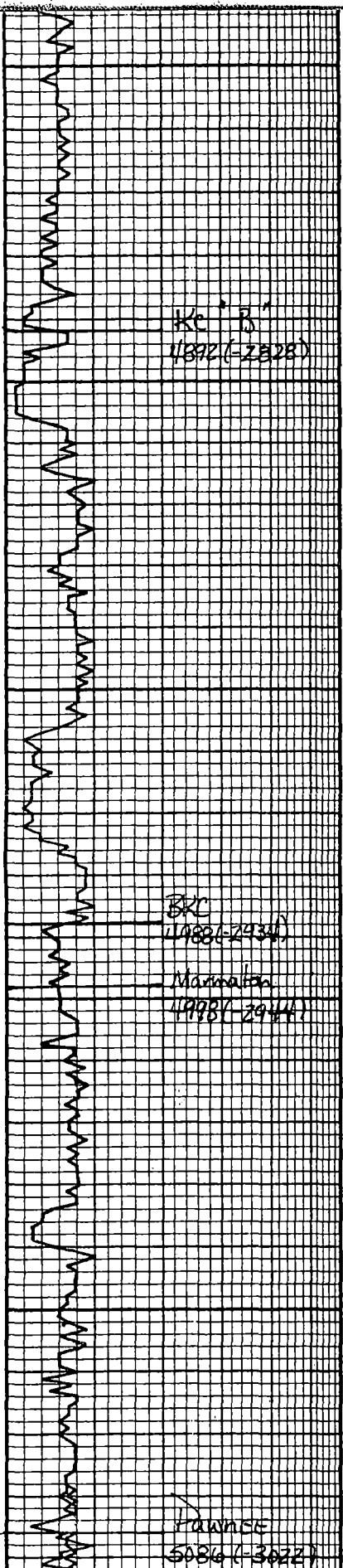
WC R
 4825 (-2767)

Ls: wht. fkn v. foss w/ good
 foss + foss cat. & - some conc
 some subkn material Ns

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 Wichita, Kansas

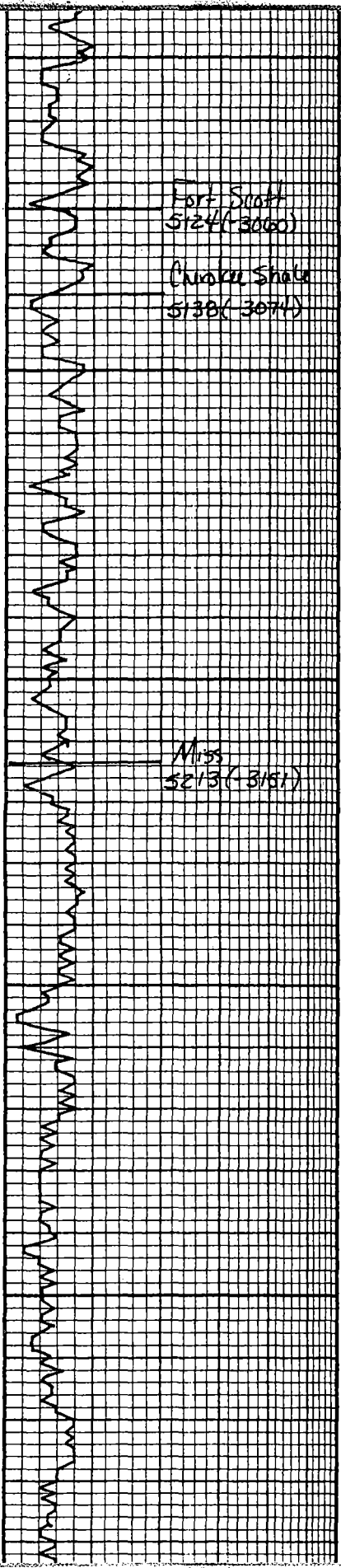


50	Ls: wht. - lt. gray fkn dse silt. chalky
	Ls: gray - v. fkn v. DSE
	Ls: gray v fkn v. silty w/ much gray pyritic shale
	Sh: Black - carb
4900	Ls: wht fkn, ool w/ fair ool + ool of Ns. Noodor or sm Nsg
	Ls: wht fkn ool dse
	Sh: gray
	Ls: Tan fkn - subkn w/ lt. tan s chert
	Sh: v. Dark gray - Black
	Ls: Tan f- v fkn w/ much ool wht - Tan s chert v. DSE
50	Ls: Tan f- v fkn all v. DSE
	Ls: wht. lt. Tan fkn w/ good interkn of some silt. subkn matrix Ns.
	Ls: wht - Tan fkn poor interkn of Ns. - dse silt. chalky
	Sh: gray - green - Brown
5000	Ls: Tan - gray fkn to subkn silt. chalky w/ scattered gray - Brown shales
	Ls: Tan - gray v. fkn silt. ool. - w/ chalk
	Sh: Black - carb
	Ls: Tan f- v fkn v DSE
50	Sh: gray
	Ls: Tan fkn mostly all dse w/ scatt. ppd and gray - brown shales
	Ls: Tan - gray v fkn v DSE Ns
	Sh: Black - carb
	Ls: wht. Tan - subkn w/ dse

Ls: Tan - gray fkn to subkn
 silt. chalky w/ scattered
 gray - brown shales
 Ls: Tan - gray v. fkn silt.
 ool. - w/ chalk

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DST #1
 5119-5140
 Rec: 60' vsqcm
 5039' gip
 Blow:



5100	7	<p>LS: Wht f-subxn, Chalky in part w/ some v. friable - fair interxn = inter fossils. Also fair most part amber - lt tan spher. intact throughout No show v. dull flour.</p> <p>sn: Black - carb</p> <p>LS: lt. Br fan ool + foss w/ good interxn + ool + foss of some veg. like yellow flour. NSF No odor</p>	24	<p>LS: Wht fan - subxn foss + ool w/ fair d. Ns. silt. chily</p> <p>sn: qm - v. dark gray (Black)</p>
	144	<p>LS: Brn fan foss w/ silt foss of Res. oil stn in fossils. v. silt. sfo. No odor - v. like yellow flour. - sn: Black</p> <p>LS: Tan v. tan v. dse</p> <p>sn: qm</p> <p>LS: Wht f-subxn w/ some Chalk Ns</p> <p>sn: qm - green</p>	37	
50				
5200	47	<p>LS: Wht - Tan fan w/ scatt. interxn of silt-subxn NSF No odor. w/ v. dull flour. w/ some qm - Black shales</p>	34	
	43	<p>LS: Wht. f. m/va Dolomitic w/ fair - good veg + interxn of w/ v. bare sup. matrix sat stn in vugs No odor</p> <p>LS: Wht - greenish qm f-mxn dolomitic, chky to subxn w/ scatt Lenses of veg of w/ glauconitic flakes NSF No odor</p>		
50		<p>LS: Wht f-mxn dolomitic w/ fair interxn of. becoming shaly Black - dark qm</p> <p>LS: Wht. fan dse. poor interxn of Ns - some stringers qm shale - green</p> <p>LS: Wht fan, fair interxn of silt-subxn, starting some glauc. inclusions w/ some bent glauc. Actert - Shales green - young</p>		
5300		<p>LS: Wht. fan glauconitic inclu silt mottled qm friable w/ scatt qm - green siltstone - shale</p> <p>LS: Wht. lt mott qm fan w/ some mott qm Actert Ns silt chally</p> <p>LS: Off Wht - qm mottled glauc inclusion w/ chert as above chalky to subxn matrix foss.</p>		

800 - 15 sec
GTS 30 min

Second Flow gas rpt.
Initial open 3/4" choke
86,300 cgsd
Bled back

3/8 Choke

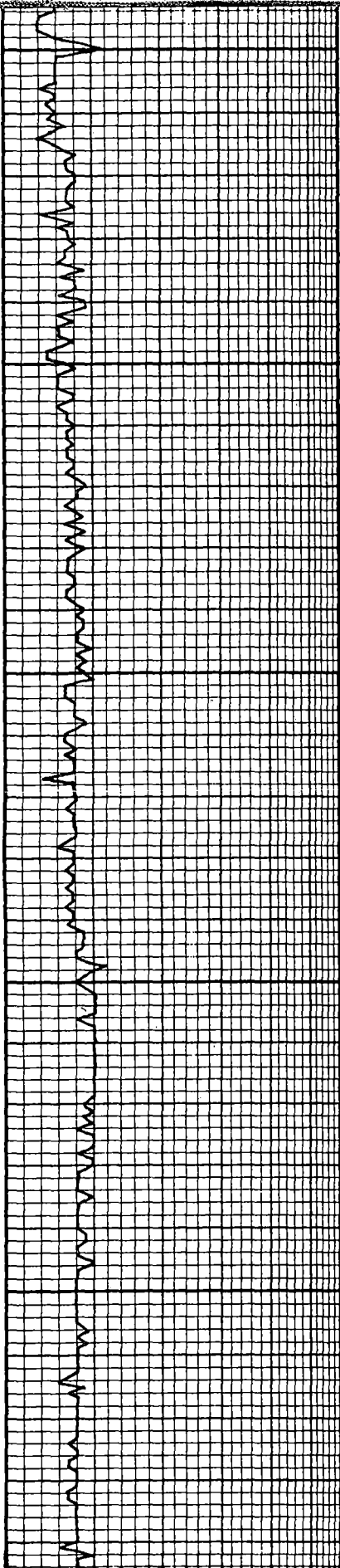
10"	41,600 cgsd
to 30"	41,600 "
35"	44,200 "
to 60"	

IHP: 2507 #
IFP: 39-41 #
FFP: 35-39 #
SIP: 1893-1875 #
FHP: 2444 #

Temp: 116°F

Times
30-60-60-60

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50

1s' off wht qm glau - foss
w foss qm glau. & chert
w scatt. qm shales becoming
more cherty w/ depth

ls: lt. qm v. fm sdy texture.
v. DSE - sh. dolomite
w foss & chert (Tan)
old qm shales

5400

1s' qm v. fm all v. dse sdy
micro texture becoming
more shale to siltstone
present gray - lt. tan

ls: as above w/ more platy
shaly siltstone & shales.

50

dark gray - v. fm all v. dse
Blocky cleavage w/ much
gray - Brown shales

5500

dark gray v. fm sdy texture
w/ Brown shales. some
qm & chert

50

Dark Tan - lt. qm v. fm
in all v. dse sdy w/

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5600

Shale gm - Brown

50

Dolo Tan - gm Blocky
Sdy trace V.DSE

5700

Dolo WMA v. fin - microxn v/dse
w/ gm - green - Red shales

Ls: Tan vt - microxn w/ much
Tan chert - Red shales

Ls: Tan vt - microxn abt v/dse
w/ scatt gm - Red - green
shales

Ls: wht fm all v/dse, s/f.
interxn w/ chert tan

chert wht. - clr. all v. sharp.

50

Dolo: Tan - lt. gm f. m/vn w/
fay ratng - some fair to good
vng. also - s/f. odor
lt. patchy yellow flour, some
becoming tite w/ Bright yellow
flour. Nsfo also much wht
translucent chert interbedded
No cut.

chert wht. Transl

Dolo: Tan - wht. fm, sucrosic
w/ good interxn s/f. odor w/
scatt ltr yellow flour. No cut

5800

Dolo: crs xn Tan v/dse w/
much black specke wht.
opaque chert.

Dolo: Tan s/f wht. f. m/vn
v. sucrosic w/ good interxn
Nsfo. faint odor spt. yelw
edge flour.

Dolo: Tan m/vn all v. tite
Ns. sucrosic all v/dse

Vista
57481-36182

7

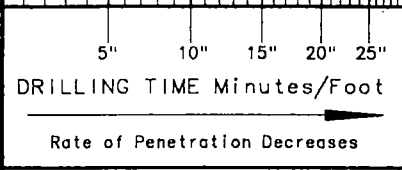
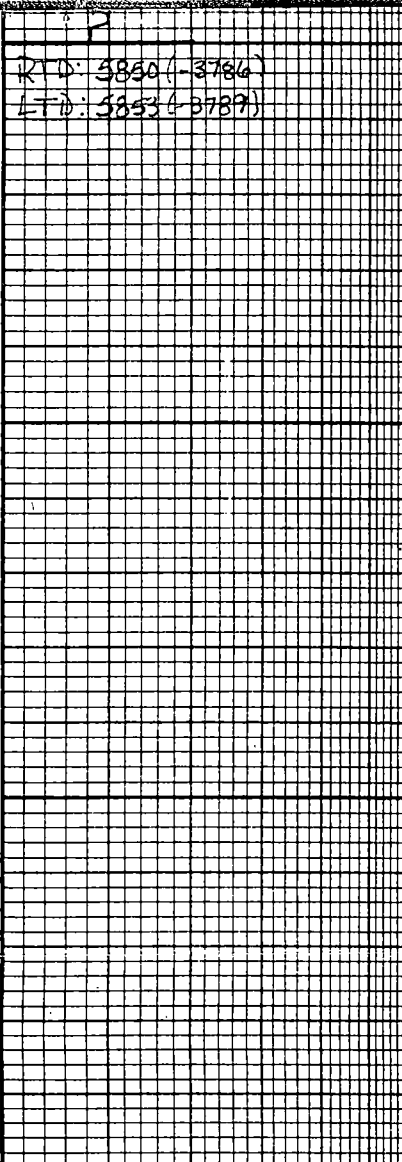
5

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50

7, 7

No Down

OPERATOR <u>American Warrior, Inc.</u>	LOCATION <u>90's - 60'E C-E/2-SF</u>
LEASE <u>Bremer #1-33</u> IP _____	SEC <u>33</u> TWP <u>32s</u> RNG <u>18W</u>
ELEVATION <u>2064 KB</u> RTD <u>5850</u>	COUNTY <u>Comanche</u> STATE <u>KS</u>

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