

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 S1OW 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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

9-10-97 9-17-97 1-9-1998
Spud Date Date Reached TD Completion Date

API NO. 15- 135,24026 0000

County Ness

25Q'SE SE NW NE Sec. 33 Twp. 18S Rge. 21 xx W ^E

1100 Feet from S/N (circle one) Line of Section

1450 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 Ryersee Well # 1-33

Field Name Bazine East Abandoned

Producing Formation Cherokee

Elevation: Ground 2113 KB 2121

Total Depth 4306 PBSD 4270

Amount of Surface Pipe Set and Cemented at 1348.33 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2303 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH. 1, 3-12-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 15,000 ppm Fluid volume 1500 bbls

Dewatering method used Haul free fluids

Location of fluid disposal if hauled offsite: _____

Operator Name American Warrior, Inc.

Lease Name Foos License No. 4058

NE Quarter Sec. 9 Twp. 19 S Rng. 21 ^E _W

County Ness RECEIVED 1-26-98 COMMISSION Docket No. D-25,978

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, re-completion, 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.

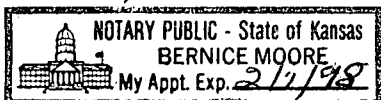
Signature Scott Corsair

Title Geologist Date 1-9-1998

Subscribed and sworn to before me this 9th 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
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name American Warrior, Inc. Lease Name Ryersee Well # 1-33
 Sec. 33 Twp. 18S Rge. 21 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input 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	1336	+785
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3572	-1451
List All E.Logs Run:	Dual Induction, Spectral	Lansing	3617	-1496
Density Dual Spaced Neutron II		Base Kansas City	3934	-1813
		Marmaton	3951	-1830
		Pawnee	4018	-1897
		Ft. Scott	4090	-1969
		Cherokee Shale	4106	-1985
		Mississippian Osage	4215	-2094

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	23	1348.33	MidCon II	310	2%CCw/1/4#FS/SK
Production St	7 7/8	5 1/2	14	4298	HLC	25	
					EA/2	75	

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	4110-4112		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 7/8	4130			
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
1-9-1998						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	20		450		39	

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: 4110-4112

TRILOBITE TESTING L.L.C.

ORIGINAL

15-135-24026

OPERATOR : American Warrior Inc.
 WELL NAME: Ryerse 1-33
 LOCATION : 33-18S-21W Ness Cnty KS
 INTERVAL : 4104.00 To 4119.00 ft

DATE 9-16-97
 KB 2115.00 ft TICKET NO: 10366 DST #1
 GR 2107.00 ft FORMATION: Upper Cherokee
 TD 4119.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058	11058	2342			PF Fr. 1933 to 1948 hr
SI 15 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1948 to 2003 hr
SF 5 Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 2003 to 2008 hr
FS 10 Depth(ft)	4116.0	4116.0	4105.0	0.0	0.0	FS Fr. 2008 to 2018 hr

	Field	1	2	3	4
A. Init Hydro	2065.0	2027.0	1995.0	0.0	0.0
B. First Flow	288.0	274.0	230.0	0.0	0.0
B1. Final Flow	590.0	578.0	607.0	0.0	0.0
C. In Shut-in	1242.0	1224.0	1243.0	0.0	0.0
D. Init Flow	692.0	685.0	644.0	0.0	0.0
E. Final Flow	714.0	698.0	723.0	0.0	0.0
F. Fl Shut-in	1242.0	1225.0	1237.0	0.0	0.0
G. Final Hydro	2042.0	2020.0	1980.0	0.0	0.0
Inside/Outside	0	0	I		

T STARTED 1702 hr
 T ON BOTM 1900 hr
 T OPEN 1903 hr
 T PULLED 2018 hr
 T OUT 2335 hr

TOOL DATA-----

Tool Wt. 4000.00 lbs
 Wt Set On Packer 26000.00 lbs
 Wt Pulled Loose 55000.00 lbs
 Initial Str Wt 41000.00 lbs
 Unseated Str Wt 47000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.50 in
 D.C. Length 30.00 ft
 D.P. Length 4074.00 ft

RECOVERY

Total Fluid 1596.00 ft of 30.00 ft in DC and 1566.00 ft in DP
 130.00 ft of Slight Oil Heavy Water Cut Mud
 0.00 ft of 10%oil 40%water 50%mud
 80.00 ft of Gassy Oil and Mud Cut Water
 0.00 ft of 10%gas 10%oil 20%mud 60%water
 0.00 ft of
 1286.00 ft of Gassy Slightly Oil and Mud Cut Water
 0.00 ft of 10%gas 5%mud 10%oil 75%water
 0.00 ft of
 SALINITY 34000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical
 Weight 9.30 lb/cf
 Vis. 42.00 S/L
 W.L. 10.00 in3
 F.C. 0.00 in
 Mud Drop Y 8.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 125.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out Y
 Tool Chased N
 Tester Shane McBride
 Co. Rep. Scott Corsair
 Contr. Discovery
 Rig # 2
 Unit #
 Pump T.

BLOW DESCRIPTION

Initial Flow:
 Bottom of bucket in 45 seconds

Initial Shut In:
 No return

Final Flow:
 Bottom of bucket in 1.5 minutes

Final Shut In:
 No return

SAMPLES:
 SENT TO:

Test Successful: Y

RECEIVED
 STATE COMMISSION

JAN 26 1998

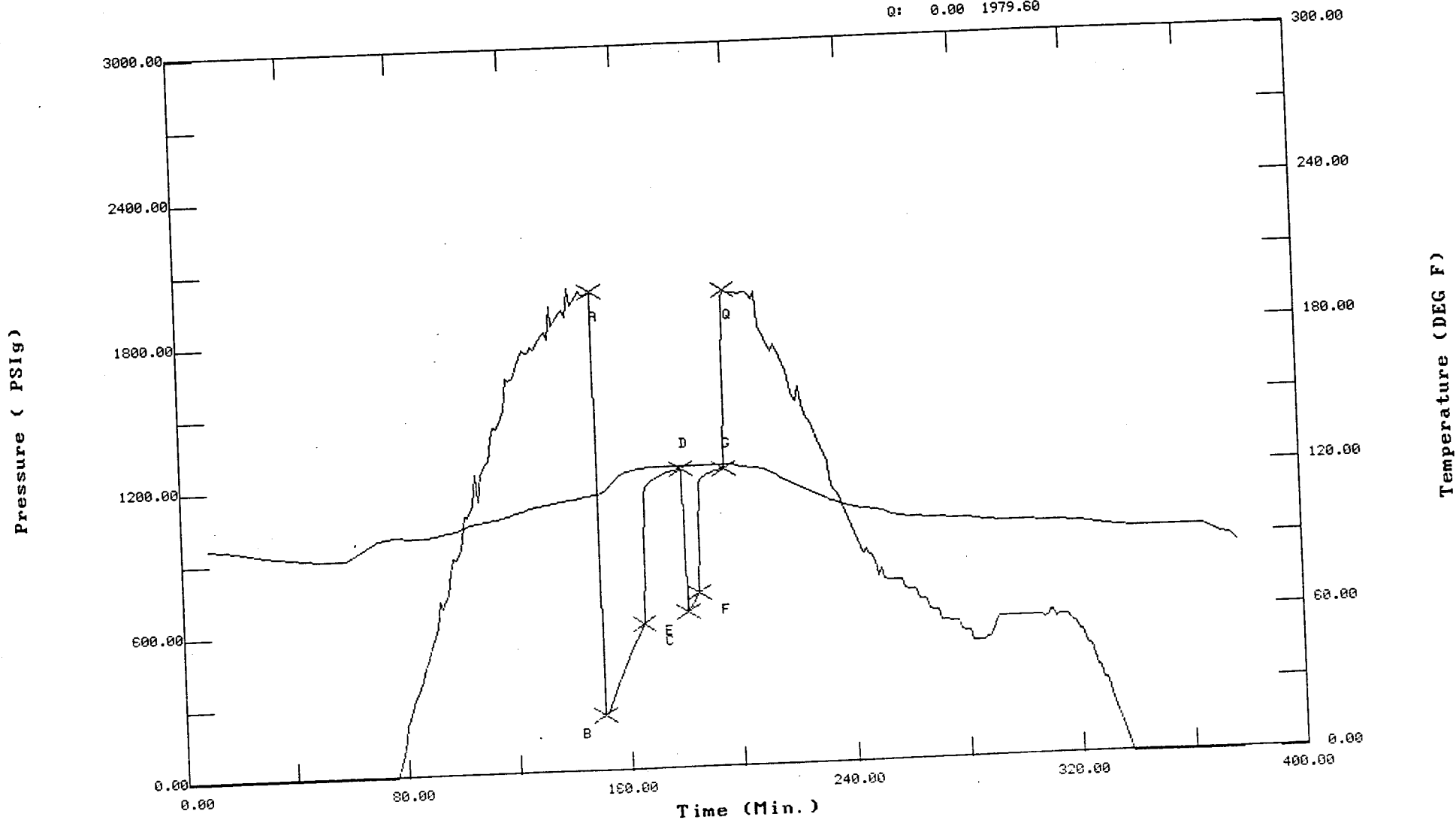
STATE COMMISSION

TEST HISTORY

10366 DST #1 Ryerse # 1-33 American Warrior

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1994.87
B:	0.00	230.29
C:	15.00	606.87
D:	15.00	1242.88
E:	0.00	643.89
F:	4.00	722.95
G:	10.00	1236.84
Q:	0.00	1979.60





Kansas Corporation Commission

Bill Graves, Governor John Wine, Chair Susan M. Seltsam, Commissioner Cynthia L. Claus, Commissioner

American Warrior, Inc.
Attn: Scott Corsair
P.O. Box 399
Garden City, KS. 67846

January 30, 1998

Re: Confidentiality of Information on
Ryersee #1-33
A.P.I. #15-135-24,026
Sec. 33- Twn. 18S. - Rng. 21 W.
Ness County, Kansas

Dear Scott Corsair:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection (d) of that regulation states that "**all rights to confidentiality shall be lost if the filings are not timely.**"

The above-referenced well was spud September 10, 1997 and the ACO-1 was received on January 26, 1998 (not within the 120 days timely requirement). Therefore, your request for confidential treatment of this information cannot be granted.

If you should have any questions, please do not hesitate to contact me at (316) 337-6200.

Sincerely,

A handwritten signature in cursive script that reads "David P. Williams".

David P. Williams
Production Supervisor

jlp

SCOTT CORSAIR
AMERICAN WARRIOR, INC.
PETROLEUM GEOLOGIST
Intern Petroleum Engineer #10906
210 Avenue A
P.O. Box 6
Bazine, Ks 67516
785-398-2270 Fax 785-398-2586
Mobile 785-731-5060

OVER 120
days

January 9, 1998

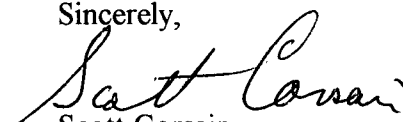
Kansas Corporation Commission
Conservation Division
M. L. Korphage, Director
130 S. Market - Room 2078
Wichita, Kansas 67202

RE: American Warrior, Inc. Ryersee #1-33, API# 15-135-24026

Dear Mr. Korphage:

American Warrior, Inc. hereby requests that the information on side two of the ACO-1 for the above referenced well be held confidential.

Sincerely,


Scott Corsair

RECEIVED
STATE CORPORATION COMMISSION
JAN 26 1998



HALLIBURTON ENERGY SERVICES

HAL-1906-P

ADDRESS: *American Warrior*
 CITY, STATE, ZIP CODE: *PO Box 399 Garden City, Ks 67846*

No. **196939-6**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Hays</i>	WELL/PROJECT NO. <i>1-33</i>	LEASE <i>Ryan</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>9-11-97</i>	OWNER <i>Some</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Disc</i>	RIG NAME/NO. <i>51797</i>	SHIPPED VIA <i>LCC</i>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO. <i>135-24026000</i>	WELL LOCATION <i>33-18-21W</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
<i>500-117</i>		<i>1</i>			MILEAGE <i>Tik # 51797</i>	<i>100</i>	<i>mi</i>			<i>3.20</i>	<i>320.00</i>
<i>001-016</i>		<i>1</i>			<i>pump chg</i>	<i>1348</i>	<i>ft</i>			<i>1322.00</i>	<i>1322.00</i>
<i>806-60059</i>	<i>806, 60059</i>	<i>1</i>			<i>centralizer 5-4</i>	<i>2</i>	<i>ea</i>			<i>90.00</i>	<i>180.00</i>
<i>80637960</i>	<i>806, 70060</i>	<i>1</i>			<i>cont canvas basket</i>	<i>1</i>	<i>ea</i>			<i>161.00</i>	<i>161.00</i>
<i>017-241</i>		<i>1</i>			<i>Rotating head</i>	<i>1</i>	<i>ea</i>			<i>300.00</i>	<i>300.00</i>
<i>030-016</i>		<i>1</i>			<i>5W top plug</i>	<i>1</i>	<i>ea</i>			<i>132.00</i>	<i>132.00</i>

ORIGINAL

RECEIVED

Bulk Ticket # 515555

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S)
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					<i>515555</i>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
DATE SIGNED <i>9-11-97</i>	TIME SIGNED <i>2330</i>		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> do not require IPC (Instrument Protection)	<input type="checkbox"/> Not offered	TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

X *Dorby Hoover*
 DATE SIGNED: *9-11-97* TIME SIGNED: *2330*
 A.M. P.M.

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>Dorby Hoover</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Dorby Hoover</i>	HALLIBURTON OPERATOR/ENGINEER <i>Nick Karbe</i>	EMP # <i>H3115</i>	HALLIBURTON APPROVAL
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#757055

REGION North America	NWA/COUNTRY MidCon USA	BDA / STATE Ks	COUNTY Ness
MBU ID / EMP # HA0501 H3115	EMPLOYEE NAME Nick Karbe	PSL DEPARTMENT cmt	
LOCATION Hays	COMPANY American Warrior	CUSTOMER REP / PHONE Scott Carsair	
TICKET AMOUNT B 7570.55	WELL TYPE 01	API / UWI # 135-240260000	
WELL LOCATION 2 1/2 E Bazine	DEPARTMENT cmt	JOB PURPOSE CODE 010	
LEASE / WELL # Ryevisee 1-33	SEC / TWP / RNG 33-18-21W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Karbe H3115			
S. Engels J0482			
L. Lofker H6872			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg.	Csg	
	2000							called out on loc
	2200							rig pulling D.P.
	2215							hold safety mtg
	2100							setup Ticks
	0110							break fire
	0130	5	0			200		start mixing lead cont 230sk MidConTH 16.
	0155	5	115			150		end lead/start Tail cont 50sk MidConTH 14.
	0200	0	141			150		end Tail cont
	0202							release plug
	0203	5	0			150		start disp
	0220	0	84.5			350		cont disp 20" cont intake ✓
	0221	0				350		shut in
	0222							release pres
	0230							wash up Ticks
	0245							rack up Ticks
	0300							Job complete
								Thank you
								Nicky, Scott, Kyle

PREPARED

STATUS

JAE



HALLIBURTON

TICKET CONTINUATION

TICKET No.

HALLIBURTON ENERGY SERVICES

Tuck# (s)	3860	CUSTOMER	American Warrior	WELL	Ryersee #1-33	DATE	9/11/97	PAGE	OF
-----------	------	----------	------------------	------	---------------	------	---------	------	----

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT			
		LOC	ACCT	DF		U/M	U/M					
504-280					Mid Con II	310	sk	\$13.53	\$4,194.30			
509-406					Calcium Chloride	6	sk	\$46.90	\$281.40			
507-210					Flocele	78	lb	\$1.90	\$148.20			
500-207					SERVICE CHARGE		CUBIC FEET	343	1.55	\$531.65		
500-305					MILSAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		30.864	1.18	

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION
JAN 26 1998
CONSERVATION DIVISION

No. B 660115

CONTINUATION TOTAL	3	5,155.55
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JOB SUMMARY

REGION North America	NWA/COUNTRY Mid Con USA	STATE Ks	COUNTY Ness
IBJ ID / EMP # 4A0501 H3115	EMPLOYEE NAME Nick Kerbe	PSL DEPARTMENT cmt	
LOCATION Hays	COMPANY American Warrior	CUSTOMER REP / PHONE Scott Corsair	
TICKET AMOUNT \$7570.55	WELL TYPE 01	API / UWI # 135-240260000	
WELL LOCATION 25 E Barine	DEPARTMENT cmt	JOB PURPOSE CODE 010	
BASE / WELL # Kyr 5cc 1-33	SEC / TWP / RNG 33-18-21W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) / HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) / HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) / HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) / HRS
L. Kerbe H3115			
E. Engel J0482			
L. Leiker H6872			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
8422	100						
1797	100						
3860	100						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Disc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-11-97	2000	2205	0130	0330

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers 5-4 8 3/8	2	Hewco
Bottom Plug		
Top Plug SW 8 3/8	1	Hewco
Head		
Packer		
Other Basket	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23#	8 3/8	0	1848.33	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Fluid	Density	Lb/Gal
Test Fluid		
Disp. Fluid		
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
acid Type	Gal.	%
acid Type	Gal.	%
Surfactant	Gal.	In
E Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Visc. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Locking Agent	Gal/Lb	
Surpac Balls	Qty.	

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-11-97	2 hrs	9-12-97	12 hrs	cmt surface
9-12-97	3 1/2 hrs			
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail _____ Used _____

TREATED _____

FEET 20'

AVERAGE RATES IN BPM
 Disp. _____ Overall _____

CEMENT LEFT IN PIPE
 Reason _____

CEMENT DATA

PAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
rod	230	MidCont II	B	2% CC 1/2 floccle	2.89	11.4
oil	80	MidCont II	B	2% CC 1/2 floccle	1.58	14.0

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 89.4
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI 141.66 / 1001
 Total Volume Gal - BBI 125.66 /



HALLIBURTON ENERGY SERVICES

HAL-1906-P

AMERICAN WARRIOR TAX

ADDRESS

CITY, STATE, ZIP CODE

No.

197159 - 6

PAGE 10 OF 10

1. SERVICE LOCATIONS HAYS, KS	WELL/PROJECT NO. 1-33	LEASE RIVERSEE	COUNTY/PARISH NEW	STATE KS	CITY/OFFSHORE LOCATION	DATE 9-12-97	OWNER 68990
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR DESCOBY DRILLING	RIG NAME/NO.	SHIPPED VIA 53X2	DELIVERED TO LOCATION	ORDER NO.	CONSTRUCTION NO.
3. WELL TYPE	WELL CATEGORY 01	JOB PURPOSE 025	WELL PERMIT NO.	WELL LOCATION	15135240260000	33-18-21	JAN 26 1998
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117	ORIGINAL	1			MILEAGE	100 MI		1		3.20	320.00
001-016		1			PUMP SERVICE	4298 FT		6	MS	1926.00	1926.00
030-016		1			SW TOP PLUG	1 SA		5	1/2"	66.00	66.00
019-241		1			ROTATING HEAD	1 JOB				300.00	300.00
314-163		1			CURTIX II	2 GAL				30.50	61.00
018-317		1			SUPERFINISH	6 SWS				112.00	672.00
PORT COLLAR @ 2303' TOP JT # 68											

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.

DATE SIGNED: 9-12-97
 TIME SIGNED: 0300
 A.M.
 P.M.
 do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH
 BEAN SIZE SPACERS
 TYPE OF EQUALIZING SUB. CASING PRESSURE
 TUBING SIZE TUBING PRESSURE WELL DEPTH
 TREE CONNECTION TYPE VALVE

SURVEY

AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	3345.00
FROM CONTINUATION PAGE(S)	2913.87
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	6258.87

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) Scott Coran	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X Scott Coran	HALLIBURTON OPERATOR/ENGINEER WAYNE WDSOJ	EMP # 89377	HALLIBURTON APPROVAL
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HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET No 197159

Truck# (s)	4444-5070	CUSTOMER	American Warrior	WELL	Rversee 1 33	DATE	9/17/97	PAGE	2	OF	2
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PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		U/M	U/M			
504-308					Standard Cement	75	sk	\$10.83	\$812.25	
504-316					Halliburton Light Cement	50	sk	\$9.11	\$455.50	
509-968					Salt	18	lb	\$0.17	\$3.06	
507-210					Floccle	13	lb	\$1.90	\$24.70	
507-153					CFR-3	21	lb	\$5.75	\$120.75	
507-127					Cal Seal	4	sk	\$28.00	\$112.00	
505-291					Gilsonite	250	lb	\$0.50	\$125.00	
507-778					Halad-344	23	lb	\$29.90	\$687.70	
500-207					SERVICE CHARGE		CUBIC FEET	136	1.55	\$210.80
70-306					MILEAGE CHARGE		TOTAL WEIGHT	12.275		
							LOADED MILES	50		
							TON MILES	306.875	1.18	\$362.11

ORIGINAL

RECEIVED STATE OPERATOR COMMISSION JAN 26 1998

660128

CONTINUATION TOTAL \$ 2,913.87

North America		NWA	4239-5	TICKET #	972157	TICKET DATE	9/11/97
EMP #	5527	ENTRY		BDA / STATE		COUNTY	
LOCATION		EMPLOYEE NAME		PSL DEPARTMENT		CUSTOMER REP / PHONE	
TICKET AMOUNT	13787	COMPANY		API / UWI #		JOB PURPOSE CODE	
WELL LOCATION		WELL TYPE		DEPARTMENT		SEC / TWP / RNG	
LEASE / WELL #		DEPARTMENT					

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2300							Called out
	0100							ON Location, Dress Job, Safety Meeting, Setup
1	0630							DROP BALL - BRINX CERAMIC - ROTATE CASING
	0706	6	20		✓	300		PUMP CYCLE II PREFLUSH
	0709	6	6		✓	300		PUMP SUPP/REFLUSH
	0710	6	2		✓	300		PUMP H2O SPACE
	0715							PLUG RATTLE 15 SKS / MONSENOR 10 SKS
	0723	6 1/2	26.1			250		MIX CEMENT 25 SKS HIL / 75 SKS A-2
	0734							WASH OUT PUMP & LEAKS
	0735							RELEASE PLUG
	0738	7	0		✓	600		DISPLACE PLUG
			95					SHUT OFF ROTATING
	0753		104.3			1000		PLUG DOWN
	0754					OK		RELEASE PSE
								FLOAT HELD
								WASH UP
								PACK UP
	0900							JOB COMPLETE

THANK YOU
WASIE, DAVE, LYLE

RECEIVED
STATE CORPORATION COMMISSION
JAN 26 1998

TICKET # 27159	TICKET DATE 9/18/97
NW/COUNTRY MidContinent USA	BDA / STATE MidContinent Kansas
EMPLOYEE NAME WAYNE WILSON	COUNTY NESS
PSL-DEPARTMENT CMT	
CUSTOMER REP / PHONE Scott Corssin	
API / UWL 15-135-24026-0000	
JOB PURPOSE CODE 035	

North America
 ID / EMP #
 110101 B9377
 LOCATION
 HAYS KS Q25525
 TICKET AMOUNT
 6258.87
 WELL LOCATION
 E Braine
 LEASE / WELL #
 Kyersec 1-33

NW/COUNTRY
 MidContinent USA
 EMPLOYEE NAME
 WAYNE WILSON
 COMPANY
 American Wellbor
 WELL TYPE
 01
 DEPARTMENT
 CMT
 SEC / TWP / RNG
 33-18-21W

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
W. Wilson B9377			
D. Ash E1605			
L. LeNor H6872			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420925	100						
53893	100						
1444-5070	100						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-17-97	2300	9-18-97	0700	9-18-97
				0900

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug 5-W, 5 1/2	1	Houxo
Head 5 1/2	1	"
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	11.0	5 1/2	173	4278	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole		270	7 1/2	4818	4301	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

	Density	Lb/Gal
Treat Fluid		
Disp. Fluid		
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-18		9-18		5 1/2 Long St 15
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
TREATED	AVERAGE RATES IN BPM	Overall
FEET	CEMENT LEFT IN PIPE	Reason
24.70	Shoe Joint	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	50	HLC	B	1/4 1/2 Floccle, 5 1/4 Gilsonite	1.75	12.7
2	75	EM-2	B	.3% CR3, .3% H3FH, 18% salt, 5% cat/sec	1.37	15.7
				with 1/4 H3FH w/ 25000 of HLC		

Circulating Displacement _____	Preflush: Gal - BBI	20 / 6.1AN type
Breakdown Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal
Shut In: Instant _____	Cement Slurr Gal - BBI	
	Total Volume Gal - BBI	33.9

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
--------------	--------------	--------------	--------------

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____

ORIGINAL

SCOTT CORSAIR

PETROLEUM GEOLOGIST

210 Avenue A P.O. Box 6

Bazine, Ks 67516

785-398-2270 Mobile 785-731-5060

FAX 785-398-2586

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

RYERSEE #1-33

1100' FNL & 1450' FEL

Section 33-18S-21W

Ness County, Kansas

15-135-24026

RECEIVED

STATE OF KANSAS

JAN 26 1999

ORIGINAL

OPERATOR: AMERICAN WARRIOR, INC.

WELL: RYERSEE No. 1-33

API NO.: 15-135-24026

LOCATION: 1100' FNL & 1450' FEL, SEC. 33-18S-21W

WELLSITE: PASTURE

COMMENCED: SEPTEMBER 10, 1997

COMPLETED: SEPTEMBER 18, 1997

ELEVATIONS: 2113' GL ; 2121' KB

TOTAL DEPTH: 4306' (DRILLER); 4304 (LOGGER)

CASING: SURFACE: 8 5/8 @ 1348' W/310 SKS
 PRODUCTION: 5 1/2 @ 4305' W/75 SKS

SAMPLES: 10 FT. FROM 3500' TO T.D.

LOGS: DUAL INDUCTION, SPECTRAL DENSITY
 DUAL SPACED NEUTRON II, BY HALLIBURTON

DRILLSTEM TESTS: ONE (1) BY TRILOBITE TESTING

CONTRACTOR: DISCOVERY DRILLING (RIG 2)

REMARKS: Geological supervision: 3500' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA	SAMPLES SUBSEA
Anhydrite	1336 +785	
Heebner	3572 -1451	3572 -1451
Lansing	3617 -1496	3616 -1495
Base Kansas City	3934 -1813	3928 -1807
Marmaton	3951 -1830	3944 -1823
Pawnee	4018 -1897	4018 RECEIVED 1897
Ft. Scott	4090 -1969	4090 -1969
Cherokee Shale	4106 -1985	4106 JAN 24 1985
Mississippian Osage	4215 -2094	4216 -2095

ORIGINAL

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3617 -1496

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

PAWNEE 4018 -1897

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

FT. SCOTT 4090 -1969

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

CHEROKEE 4106 -1985

4109-4118, Sandstone: clear to frosted, poorly sorted, angular, clusters, good fluorescence, excellent cut when broke.

Drill Stem Test No. 1: 4104-4119 /15-15-5-10/ Strong blow building to the bottom of the bucket in 45 seconds during the initial flow; Strong blow building to the bottom of the bucket in 1.5 minutes during the final flow; No blow during either shut in; Recovered 1596 feet of total fluid, 130 feet of oil cut watery mud, 10% oil, 40% water, 50% mud; 180 feet of oil and gas cut muddy water, 10% gas, 10% oil, 60% water, 20% mud; 1286 feet of slightly mud cut, oil and gassy water, 10% gas, 10% oil, 75% water, 5% mud.

IHP 1994
IFP 230-606
ISIP 1242
FFP 643-722
FSIP 1236
FHP 1979

4160-4166, Sandstone: clear, poorly sorted, sub-rounded to angular, dead stain, computes wet on the electrical log.

COMMISSION

JAN 26 1998

COMMISSION DIVISION

Chert: white, angular, fresh, no visible porosity, no visible show.

FORMATION	AMERICAN WARRIOR, INC. Ryersee #1-33 1100' FNL & 1450' FEL 33-18S-21W	L D DRILLING #1 Thomas C NW NE 33-18S-21W	L D DRILLING #2 Thomas C NE SW NE 33-18S-21W
Anhydrite	+ 785	+784	+ 782
Lansing	-1496	-1496	-1499
Cherokee	-1985	-1985	-1987
Mississippian Osage	-2094	-2071	-2087

SUMMARY AND RECOMMENDATIONS

Structural position, Drill stem test results, and Electrical log analysis indicate probable commercial production from the Cherokee. Based upon available data 5 1/2" production casing was set.

Pipe was set 1 foot off bottom @ 4305'. The following zone is recommended for testing.

1. Cherokee sand: 4110-4112

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

Respectfully,

Scott Corsair
Scott Corsair
Petroleum Geologist

RECEIVED
STATE CORPORATION COMMISSION

JAN 7 1988