

ORIGINAL

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

API NO. 15- 135-24070 0000

County Ness

C-SW Sec. 13 Twp. 18S Rge. 21 ^E_X^W

1320 Feet from S/N (circle one) Line of Section

1320 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 Wells Well # 1-13

Field Name Wildcat

Producing Formation Chase

Elevation: Ground 2111 KB 2119

Total Depth 2460 PBDT

Amount of Surface Pipe Set and Cemented at 229.09 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2456

feet depth to surface w/ 440 sx cmt.

Drilling Fluid Management Plan Alt. 2, 12-22-99 UC
(Data must be collected from the Reserve Pit)

Chloride content 9,000 ppm Fluid volume 300 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

RECEIVED
KANSAS CORPORATION COMMISSION

Operator Name _____

Lease Name 11-22-99 License No. _____
NOV 22 1999

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ CONSERVATION DIVISION
WICHITA, KS Docket No. _____

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 Co., Inc.

License: 31548

Wellsite Geologist: Scott Corsair

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

6-9-99 6-11-99 9-27-99
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 Petroleum Engineer Date 11-19-99

Subscribed and sworn to before me this 19th day of November, 19 99.

Notary Public Bernice Moore

Date Commission Expires 2/7/02

K.C.C. OFFICE USE ONLY
F No Letter of Confidentiality Attached
C E Wireline Log Received
C E Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

NOTARY PUBLIC - State of Kansas
BERNICE MOORE
My Appt. Exp. 2/7/02

ORIGINAL

SIDE TWO

Operator Name American Warrior, Inc. Lease Name Wells Well # 1-13
 Sec. 13 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 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: High Resolution Induction
 Spectral Natural Gamma Ray, Spectral
 Density, Dual Spaced Neutron II

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Anhydrite	1332	+787
Chase	2187	-68

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 1/2	8 5/8	24	229.09	60/40 Poz	150	3%CC&2%Gel
Production St	7 7/8	4 1/2	9.5	2456	SMDC	440	1/2#FS/sk

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

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
		Amount	Kind of Material Used	
4	2217-2221	750 20% DSFE/ 3000	20% Req	2217-21
4	2247-2253	750 20% DSFE/ 3000	20% Req	2247-53

TUBING RECORD

Size 2 3/8	Set At 2350	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. NA		Producing Method <input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 150	Water Bbls. 80
		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 Other (Specify)

Production Interval 2217-21
2247-53

ALLIED CEMENTING CO., INC.

2613

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
At Bend

DATE <u>6-9-99</u>	SEC <u>13</u>	TWP <u>18</u>	RANGE <u>21</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>3:50 PM</u>	JOB START <u>4:15 PM</u>	JOB FINISH <u>4:45 PM</u>
LEASE <u>Wells</u>	WELL # <u>1-13</u>	LOCATION <u>Bozine - 4E, 1/2 N, 1E, 1/3</u>				COUNTY <u>New</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Recovery Bldg
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 229'
 CASING SIZE 8 5/8" (New 24") DEPTH 229'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 13 3/4 bbls

OWNER Some
 CEMENT AMOUNT ORDERED 150 lbs 60/40 3% cc, 250 lbs
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Tom D
 # 181 HELPER Bob B
 BULK TRUCK DRIVER Rush W
 # 341
 BULK TRUCK DRIVER _____
 # _____

TOTAL _____

REMARKS:
Run 229' of 8 5/8" cas. P. note circulation mixed 150 lbs 60/40 3% cc, 250 lbs. Released plug. Displaced with fluid 1120.
Cement did circulate
T. D. D.

SERVICE
 DEPTH OF JOB 229'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG 1-8 7/8 woodern @ _____
 _____ @ _____
 _____ @ _____

RECEIVED
 KANSAS CORPORATION COMMISSION

TOTAL _____

CHARGE TO: American Warrion, Inc.
 STREET P.O. Box 317
 CITY Borden City STATE Ks ZIP 67846

NOV 22 1999
 FLOAT EQUIPMENT

CONSERVATION DIVISION
 WICHITA, KS
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

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



CHARGE TO: *American Warrior*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Ladwin Ct., KS*

TICKET No 1318

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>1000 S.F. KS</i>	WELL/PROJECT NO. <i>1-13</i>	LEASE <i>Wells</i>	COUNTY/PARISH <i>Polk</i>	STATE <i>KS</i>	CITY	DATE <i>6-12-99</i>	OWNER <i>Same</i>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <i>Discovery Digs #2</i>	SHIPPED VIA <i>104</i>	DELIVERED TO <i>N.E. Barnes ks</i>	ORDER NO.	
3.	WELL TYPE <i>Gas</i>	WELL CATEGORY <input checked="" type="checkbox"/> Development	JOB PURPOSE <i>Logging</i>	WELL PERMIT NO.	WELL LOCATION <i>13-13-21^w N250</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	20	mi			2.00	40.00
578		1			Pump charge	246	FT				1200.00
2311		1			mud block	500	BL			.50	250.00
223		1			Salt for 5-ft flush	300	lbs			.15	45.00
400		1			Slide shoe	1	EA	4 1/2	IN		65.00
401		1			insert w/ filler	1	EA	4 1/2	IN		95.00
403					Cement bullets	2	EA	4 1/2	IN	100.00	200.00
325					STD cement	25	SKS			6.75	168.75
402					Cement base	7	EA	4 1/2	IN	30.00	210.00
410					Top Plus	1	EA	4 1/2	IN		35.00
297					Rotational head	1	EA				100.00
330					SMD5 Cement	440	SKS			9.50	4180.00
											6588.75

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: *6-12-99* 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	6588.75
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				From Contin.	1877.51
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	8466.26
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
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					

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

SWIFT OPERATOR APPROVAL

Thank You!



CHARGE TO: *American Warrior*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Ladson Ctr., Ks*

TICKET No 1318

PAGE 1 OF 2

SERVICE LOCATIONS 1. *1000 37th W*
 WELL/PROJECT NO. *1-13* LEASE *Wells* COUNTY/PARISH *Prso* STATE *Ks* CITY DATE *6-12-99* OWNER *Same*
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. *Discovery Digs #2* SHIPPED VIA *100* DELIVERED TO *N.E. Bayne Ks* ORDER NO.
 3. WELL TYPE *Gas* WELL CATEGORY Development JOB PURPOSE *Longstring* WELL PERMIT NO. WELL LOCATION *13-13⁵-21^w N25*
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20		mi		2.00	40.00
578		1			Pump charge	246		FT			1200.00
231		1			mud block	500		bd		.50	250.00
223		1			Salt for 5-1/2 Fluck	300		lbs		.15	45.00
400		1			Guide shoe	1	EA	4 1/2 IN			65.00
401		1			insert w/ filler	1	EA	4 1/2 IN			95.00
403					Concret Beaters	2	EA	4 1/2 IN		100.00	200.00
325					STD cement	25	SKS			6.75	168.75
402					Centurbeats	7	EA	4 1/2 IN		30.00	210.00
410					Top Plus	1	EA	4 1/2 IN			35.00
277					Rotating head	1	EA				100.00
330					SMDS Cement	440	SKS			9.50	4180.00
											6588.75

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*
 DATE SIGNED *6-12-99* 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				From Contin.	1377.51
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	8466.26
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
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					

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

SWIFT OPERATOR APPROVAL

Thank You!

SCOTT CORSAIR

PETROLEUM GEOLOGIST

KANSAS LICENSE NO. 55

210 Avenue A P.O. Box 6

Bazine, Ks 67516

785-398-2270 Mobile 785-731-5060

FAX 785-398-2586

RECEIVED
OCT 10 1999

OCT 10 1999

RECEIVED
OCT 10 1999

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

WELLS #1-13

C SW

Section 13-18S-21W

Ness County, Kansas

OPERATOR: AMERICAN WARRIOR, INC.

WELL: WELLS NO. 1-13

API NO.: 15-135-24070

LOCATION: C SW, SEC. 13-18S-21W

WELLSITE: PASTURE

COMMENCED: JUNE 9, 1999

COMPLETED: JUNE 11, 1999

ELEVATIONS: 2111' GL ; 2119' KB

TOTAL DEPTH: 2460' (DRILLER); 2456 (LOGGER)

CASING: SURFACE: 8 5/8 @ 229' W/150 SKS
 PRODUCTION: 4 1/2 @ 2456' W/440 SKS

SAMPLES: NONE

LOGS: HIGH RESOLUTION INDUCTION, COMPENSATED
 SPECTRAL NATURAL GAMMA RAY, SPECTRAL
 DENSITY DUAL SPACED NEUTON II

DRILLSTEM TESTS: NONE

CONTRACTOR: DISCOVERY DRILLING (RIG 2)

REMARKS: Geological supervision: 2100' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA
Anhydrite	1332	+787	
Chase	2187	- 68	

SUMMARY AND RECOMMENDATIONS

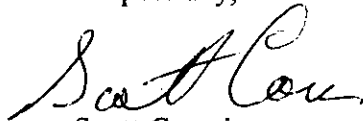
This well was drilled as a Chase gas well. No samples were examined. Log analysis and structural position indicate probable commercial gas production from the Chase. Based upon available data 4 ½" production casing was set.

Pipe was set 4 feet off bottom @ 2456'. The following zones are recommended for testing.

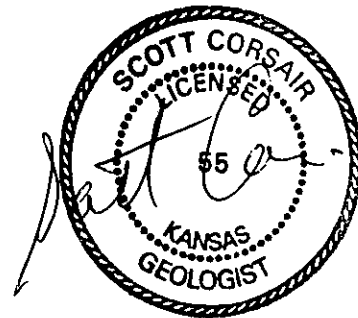
1. Chase 2217-2221
2. Chase 2247-2253

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

Respectfully,



Scott Corsair
Petroleum Geologist



ALLIED CEMENTING CO., INC.

2613

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

At Bend

DATE <i>6-9-99</i>	SEC <i>13</i>	TWP. <i>18</i>	RANGE <i>21</i>	CALLED OUT <i>2:00 PM</i>	ON LOCATION <i>3:50 PM</i>	JOB START <i>4:15 PM</i>	JOB FINISH <i>4:45 P.</i>
LEASE <i>Wells</i>	WELL # <i>1-13</i>	LOCATION <i>Bozine - 4E, 1 1/2 N, 1E, 1/3</i>			COUNTY <i>Now</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Recovery Aug*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4"* T.D. *231'*

CASING SIZE *8 3/8" (New 24")* DEPTH *229'*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. *15'*

PERFS. _____

DISPLACEMENT *13 3/4 bbls*

OWNER *Some*

CEMENT AMOUNT ORDERED *150 lbs 60/40 32cc, 25% 122*

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER *Tom D*

181 HELPER *Bob B*

BULK TRUCK DRIVER *Paul W*

341 DRIVER _____

BULK TRUCK DRIVER _____

TOTAL _____

REMARKS:

Ran 229' of 8 3/8" cas. Poor circulation mixed 150 lbs 60/40 32cc, 25% 122. Released Aug. Displaced with fresh H₂O.

Cement did circulate

Frank

SERVICE

DEPTH OF JOB *229'*

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG *1-8 3/8 woodern* _____ @ _____

_____ @ _____

_____ @ _____

RECEIVED
KANSAS CORPORATION COMMISSION

TOTAL _____

CHARGE TO: *America-Warrior, Inc.*

STREET *P.O. Box 317*

CITY *Borden City* STATE *Ks* ZIP *62846*

NOV 22 1999

FLOAT EQUIPMENT

CASE NO. _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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



CHARGE TO: *American Warrior*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Harden Ct., Ks*

TICKET
 No 1318

PAGE 1 OF 2

SERVICE LOCATIONS 1. *Nov 27, 99*
 WELL/PROJECT NO. *1-13* LEASE *Wells* COUNTY/PARISH *Neosho* STATE *Ks* CITY DATE *6-12-99* OWNER *Same*
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. *Discovery Digs #2* SHIPPED VIA *100* DELIVERED TO *N.E. Bazins Ks* ORDER NO.
 3. WELL TYPE *Geo* WELL CATEGORY Development JOB PURPOSE *Logging* WELL PERMIT NO. WELL LOCATION *13-13^s-21^w N.E.S.*
 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 104	20	mi			2.00	40.00
578		1			Pump charge	2460	FT				1200.00
231		1			mud flush	500	gal			.50	250.00
223		1			Sold for 5-1/2" flush	300	lbs			.15	45.00
400		1			Slide Size	1	EA	4 1/2	IN		65.00
401		1			insert w/ filler	1	EA	4 1/2	IN		95.00
403					Concret Baskets	2	EA	4 1/2	IN	100.00	200.00
325					STO cement	25	SKS			6.75	168.75
402					Centrifuges	7	EA	4 1/2	IN	30.00	210.00
410					Top Plus	1	EA	4 1/2	IN		35.00
299					Rotational head	1	EA				100.00
330					SMDS Cement	440	SKS			9.50	4180.00
											6588.75

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X *[Signature]*
 DATE SIGNED *6-12-99* 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				From Contine 1877 51
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL 8466 26
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX
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				

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



CHARGE TO: *American Western*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Landon Ct., KS*

TICKET No 1318

PAGE 1 OF 2

SERVICE LOCATIONS 1. *1623 37th*
 WELL/PROJECT NO. *1-13* LEASE *Wells* COUNTY/PARISH *Neosho* STATE *Ks* CITY DATE *6-18-99* OWNER *Same*
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. *Discovery Dily #2* SHIPPED VIA *100* DELIVERED TO *N.E. Bazins ko* ORDER NO.
 3. WELL TYPE *Gas* WELL CATEGORY Development JOB PURPOSE *Logging* WELL PERMIT NO. WELL LOCATION *13-13^S-21^W Ness*
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20	mi			2.00	40.00
578		1			Pump charge	246	FT				1200.00
231		1			mud blank	500	BL			.50	250.00
223		1			Salt for 5-14 flush	300	lbs			.15	45.00
400		1			Slide Stop	1	EA	4 1/2	IN		65.00
401		1			insert w/ filler	1	EA	4 1/2	IN		95.00
403					Concrete Bushings	2	EA	4 1/2	IN	100.00	200.00
325					STD cement	25	SKS			6.75	168.75
402					Centrifuges	7	EA	4 1/2	IN	30.00	210.00
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330					SMDS Cement	440	SKS			9.50	4180.00
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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X *[Signature]*
 DATE SIGNED *6-12-99* 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				From Contin.	1877.51
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	8466.26
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
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					

SCOTT CORSAIR

PETROLEUM GEOLOGIST

KANSAS LICENSE NO. 55

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GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

WELLS #1-13

C SW

Section 13-18S-21W

Ness County, Kansas

OPERATOR: AMERICAN WARRIOR, INC.
 WELL: WELLS NO. 1-13
 API NO.: 15-135-24070
 LOCATION: C SW, SEC. 13-18S-21W
 WELLSITE: PASTURE
 COMMENCED: JUNE 9, 1999
 COMPLETED: JUNE 11, 1999
 ELEVATIONS: 2111' GL ; 2119' KB
 TOTAL DEPTH: 2460' (DRILLER); 2456 (LOGGER)
 CASING: SURFACE: 8 5/8 @ 229' W/150 SKS
 PRODUCTION: 4 1/2 @ 2456' W/440 SKS
 SAMPLES: NONE
 LOGS: HIGH RESOLUTION INDUCTION, COMPENSATED
 SPECTRAL NATURAL GAMMA RAY, SPECTRAL
 DENSITY DUAL SPACED NEUTON II
 DRILLSTEM TESTS: NONE
 CONTRACTOR: DISCOVERY DRILLING (RIG 2)

REMARKS: Geological supervision: 2100' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA
Anhydrite	1332	+787	
Chase	2187	- 68	

SUMMARY AND RECOMMENDATIONS

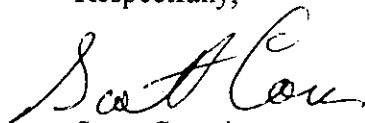
This well was drilled as a Chase gas well. No samples were examined. Log analysis and structural position indicate probable commercial gas production from the Chase. Based upon available data 4 ½" production casing was set.

Pipe was set 4 feet off bottom @ 2456'. The following zones are recommended for testing.

1. Chase 2217-2221
2. Chase 2247-2253

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

Respectfully,


Scott Corsair
Petroleum Geologist

