

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- 135-24,075-0000

County Ness

310' W - of - C - SE Sec. 27 Twp. 18 Rge. 21 E X W

1350 Feet from (S)W (circle one) Line of Section

163 Feet from (E)W (circle one) Line of Section

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

Operator Name Jensen Well # 1

Field Name Ryersee

Production Formation Chase

Elevation Ground 2099 KB 2107

Total Depth 4420 PBDT 4010

Amount of Surface Pipe Set and Cemented at 1328' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 2292' Feet

If Alternate II completion, cement circulated from

feet depth to W/ SX cmt.

Drilling Fluid Management Plan Alt. 1, 6-2-00 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 480 bbls

Dewatering method used Hauled offsite. Reserve Pit

Location of fluid disposal if hauled offsite:

Operator Name American Warrior, Inc.

Lease Name Ryersee License No. 4058

SE Quarter Sec. 35 Twp. 18 S Rng. 21 E/W

County Ness 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.

11-1-99 11-10-99 1-10-2000
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.

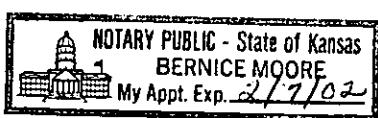
Signature Scott Corsair

Title Petroleum Engineer Date 5-2-2000

Subscribed and sworn to before me this 2nd day of May, 2000

Notary Public Bernice Moore

Date Commission Expires 2/7/02



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 Jensen Well # 1
 Sec. 27 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datums <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1318</td> <td>+789</td> </tr> <tr> <td>Chase</td> <td>2189</td> <td>--82</td> </tr> <tr> <td>Heebner</td> <td>3554</td> <td>-1447</td> </tr> <tr> <td>Lansing</td> <td>3600</td> <td>-1493</td> </tr> <tr> <td>Base Kansas City</td> <td>3912</td> <td>-1805</td> </tr> <tr> <td>Pawnee</td> <td>3996</td> <td>-1889</td> </tr> <tr> <td>Ft. Scott</td> <td>4062</td> <td>-1955</td> </tr> <tr> <td>Cherokee</td> <td>4083</td> <td>-1976</td> </tr> <tr> <td>Mississippian Osage</td> <td>4172</td> <td>-2065</td> </tr> <tr> <td>Viola</td> <td>4376</td> <td>-2269</td> </tr> <tr> <td>T.D.</td> <td>4420</td> <td>-2313</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1318	+789	Chase	2189	--82	Heebner	3554	-1447	Lansing	3600	-1493	Base Kansas City	3912	-1805	Pawnee	3996	-1889	Ft. Scott	4062	-1955	Cherokee	4083	-1976	Mississippian Osage	4172	-2065	Viola	4376	-2269	T.D.	4420	-2313
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Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																					
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																					
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																					

List All E.Logs Run: Dual Induction, Dual Compensated Porosity, Borehole Compensated Sonic

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	1328	Mid-Con II	350	3% CC
Production String	7 7/8	5 1/2	14	4414	SMDC	150	
Port Collar				2292		120	

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	1300/2292	Swift Multi Density	120	2% Gas Stop

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	4173-77 & 4119-25	Water- Non-commercial
	Cast Iron Bridge Plug @ 4010	
4	2215-21 & 2248-54	750 gal. 20% FE

TUBING RECORD	Size NA	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. SIGW	Producing Method <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 250 Mcf	Water 55 Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 2215-21
2248-54



CHARGE TO: American Warrior
 ADDRESS: P.O. Box 399
 CITY, STATE, ZIP CODE: Garden City, Ks

ORIGINAL
 No. 1747

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Ness City, Ks
 WELL/PROJECT NO.: #1
 LEASE: Jenson
 COUNTY/PARISH: Ness
 STATE: Ks
 CITY: Ness City, Ks
 DATE: 11-2-99
 OWNER: Same
 TICKET TYPE: SERVICE SALES
 CONTRACTOR: Discovery Drilling
 RIG NAME/NO.: R-912
 SHIPPED VIA: E of Bangor, Ks
 ORDER NO.:
 WELL TYPE: Oil
 WELL CATEGORY: Development
 JOB PURPOSE: New well - cement service
 WELL PERMIT NO.:
 WELL LOCATION:
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE 103	20	mi			2.00	40.00
576		1			Pump Charge	1	ea			450.00	450.00
410		1			Top Plug	1	ea			56.00	56.00
412		1			Baffle Plate	1	ea			50.00	50.00
412		1			Centralizer	1	ea			50.00	50.00
330		1			Swift Multi-Density Cement	350	shs			9.50	3325.00
276		1			Floccle	100	lb			.70	70.00
581		1			Service Charge ext	350	hr			1.00	350.00
583		1			Drayage	349.60	Ton miles				262.20

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
 DATE SIGNED: 11-2-99
 TIME SIGNED: 12:30
 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?				4673.00
WE UNDERSTOOD AND MET YOUR NEEDS?				1074
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Discrep 4205.88
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<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: [Signature]

Thank You!



CHARGE TO: *American Warrior*

ADDRESS:

CITY, STATE, ZIP CODE: *Ness City, KS*

TICKET
ORIGINAL No 1725

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Price City</i>	WELL/PROJECT NO. <i>1</i>	LEASE <i>Imeson</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>KS</i>	CITY	DATE <i>11-9-99</i>	OWNER <i>Same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR		RIG NAME/NO. <i>Discovery</i>	SHIPPED VIA <i>100</i>	DELIVERED TO <i>Personel</i>	ORDER NO.
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>L/S</i>		WELL PERMIT NO.	WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575					MILEAGE	104		2.00		40.00
578					Pump Charge	1	EA			1200.00
261					mud flush	500	Gal			250.00
221					Liquid KCL	2	Gal		19.00	38.00
400					Mud Shoe	1	EA	5 1/2 in		80.00
401					Insert w/ auto feed	1	EA			110.00
402					Centrals	10	EA		40.00	400.00
403					Cement Baskets	2	EA		110.00	220.00
404					Post Collar	1	EA		1300.00	1300.00
299					Rotating Head	1	EA			100.00
410					Top Plug	1	EA			50.00
					From Continuation sheet					3643.75

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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: *11-9-99* TIME SIGNED: *0330*

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	ORIGINAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				7431.75	
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	
<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: *[Signature]* APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

ORIGINAL

TICKET No. 1725

CUSTOMER American Warrior WELL Janson #1 DATE 11-7-99 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	UM	PRICE	AMOUNT		
330						5mgs Cement	150	SKS	9.50	1425	00	
276						Block	38	LBS	90	34	20	
287						Gas Stop	300	LBS	4.50	1350	00	
285						CFR-2	70	LBS	2.75	192	50	
286						Haled-1	35	LBS	5.25	183	75	
290						D-AIR	70	LBS	2.75	192	50	
581						SERVICE CHARGE		CUBIC FEET	1.00	150	00	
583						MILEAGE CHARGE	TOTAL WEIGHT 15,440	LOADED MILES 20	TON MILES 154.4	75	115 80	

ORIGINAL

CONTINUATION TOTAL 2117 75

JOB LOG

SWIFT Services, Inc.

ORIGINAL

DATE 11-9-99 PAGE NO. 7

CUSTOMER American Warrior WELL NO. 1 LEASE Junction JOB TYPE 275 TICKET NO. 1275

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							On Location
	0415							Start csg ^{Run csg into 200 inst w/ fill} pit center at 2392 2 baskets 10 Cont.
	0650							csg on bottom hookup to Circ
	0700							ST csg
	0725							finish Circ
	0730	4 1/2					300	hookup to Cement Plug Rathole + Mischob Pump 500 gal Mudflashed, 20 BBL KCL w/ mix 150 SKS SMDS w/ 2% grease, 1/2% CFX 1/2% OIL, 1/4% Haledol, 1/4% flocc
	0743	2					0	finish mixing Cement wash out P&C
	0745	6						Release Plug & ST Dip
	0804	3	104.4				1200	Plug Down Release PSI float NO DID NOT hold
	0810						1000	Job Complete shut in csg w/ 10000'



CHARGE TO: American Water
 ADDRESS:
 CITY, STATE, ZIP CODE

TICKET No. **ORIGINAL**
 2115

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>No. 1</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>Texas</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>Ks.</u>	CITY	DATE <u>11/18/99</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Plains Well Serv.</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Gas</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Connect Port Collar</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE #103	20	mi	2	20	40
577		1			Pump Service	2272	hr	1,200	100	1,200
104		1			Port Collar Opening Test	1	day	250	20	250
581		1			Service Charge	120	sq.	1	10	120
582		1			Drayage Minimum			100	10	100
330		1			South Multi-Drayage Cont.	130	sq.	9	130	1140
277		1			Gas Stop	100	hr	4	10	400
285		1			CFR 1	23	hr	2	25	77
290		1			D.A.R.	23	hr	2	25	77

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

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	3454
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? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	3551

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

SWIFT OPERATOR Roger B. Taylor APPROVAL

1460 Thank You!

ORIGINAL

JOB LOG

SWIFT Services, Inc.

DATE 11-12-99 PAGE NO. 9

CUSTOMER American Water WELL NO. 41 LEASE J. ... JOB TYPE Cont. Port Collar TICKET NO. 2115

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for times 09:00, 10:05, 11:05, 11:40, 11:55, 12:10 and various operational notes.

Handwritten signature or initials at the bottom right of the page.

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

RECEIVED
STATE CORPORATION COMMISSION

MAY 4 2000

CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

JENSEN #1
310' W OF C SE
Section 27-18S-21W
Ness County, Kansas

OPERATOR: AMERICAN WARRIOR, INC.
WELL: JENSEN No. 1
API NO.: 15-135-24075
LOCATION: 310' W OF C SE, SEC. 27-18S-21W
WELLSITE: FARMGROUND
COMMENCED: NOVEMBER 1, 1999
COMPLETED: NOVMEBER 10, 1998
ELEVATIONS: 2099' GL ; 2107' KB
TOTAL DEPTH: 4420' (DRILLER); 4420 (LOGGER)
CASING: SURFACE: 8 5/8 @ 1328' W/350 SKS
 PRODUCTION: 5 1/2 @ 4414' W/150 SKS
 PORT COLLAR @ 2292'
SAMPLES: 10 FT. FROM 3500' TO T.D.
LOGS: DUAL INDUCTION, DUAL COMPENSATED
 POROSITY, BOREHOLE COMPENSATED SONIC, BY
 LOG-TECH
CONTRACTOR: DISCOVERY DRILLING (RIG 2)

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

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1318	+ 789		
Chase	2189	- 82		
Heebner	3554	-1447	3556	-1449
Lansing	3600	-1493	3601	-1494
Base Kansas City	3912	-1805	3910	-1803
Pawnee	3996	-1889	3998	-1891
Ft. Scott	4062	-1955	4062	-1955
Cherokee Shale	4083	-1976	4084	-1977
Mississippian Osage	4172	-2065	4169	-2062
Mississippian Gilmore City	4264	-2157	4266	-2151
Viola	4376	-2269	4376	-2269
Total Depth	4420	-2313	4420	-2313

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3600 -1493

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

FT. SCOTT 4062 -1955

4152-4160, Limestone: gray to tan, slightly fossiliferous, poor porosity, very slight show of free oil, fair fluorescence and good cut, no odor.

CHEROKEE 4083 -1976

4118-4128, Sandstone: clear to frosted, poorly sorted, coarse grained, sub-rounded, friable clusters, good show of free oil, fair fluorescence, excellent cut when broke, appears shaly on the log.

MISSISSIPPIAN OSAGE 4172 -2065

Chert: white, weathered tripolitic, very slight show of free oil, good fluorescence and excellent cut, slight odor.

VIOLA 4436 -2239

Dolomite: gray and tan, sucrosic, good porosity, no show..

FORMATION	AMERICAN WARRIOR, INC. Jensen #1 310' W, C SE 27-18S-21W	PICKRELL DRILLING #1 Marshall B C SE SE 27-18S-21W	FRONTIER OIL REPUBLIC #1 Marshall SE SE SW 27-18S-21W
Anhydrite	+789	+794	+786
Lansing	-1493	-1500	-1498
Cherokee	-1976	-1983	-1958
Mississippian Osage	-2065	-2072	-2070

SUMMARY AND RECOMMENDATIONS

ORIGINAL

Structural position and Electrical log analysis indicate possible commercial production from the Mississippian Osage and Cherokee. Based upon available data 5 1/2" production casing was set.

Pipe was set 6 feet off bottom @ 4414'. The following zones are recommended for testing.

1. Mississippian Osage: 4172-4178
2. Cherokee Sand: 4118-4128
3. Ft Scott: 4168-4172
4. Chase: 2218-22 & 2250-56 (Before Abandonment)

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

Respectfully,



Scott Corsair
Petroleum Geologist