

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

Operator: License # 3555

Name: Glen S. Soderstrom

Address P. O. Box 822663
Dallas

City/State/Zip Dallas TX 75382

Purchaser: Bradshaw Gas Gathering System

Operator Contact Person: Glen S. Soderstrom

Phone (214) 342-9103

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Glen S. Soderstrom

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:

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. _____

4/4/97 4/6/97 9/6/97
Spud Date Date Reached TD Completion Date

API NO. 15- 075-20640-0000

County Hamilton

- - C - SE Sec. 27 Twp. 21S Rge. 40 E
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 Stanco Well # 1-27

Field Name Bradshaw

Producing Formation Chase Group

Elevation: Ground 3527 KB 3532

Total Depth 2900' PBSD _____

Amount of Surface Pipe Set and Cemented at 263 Feet

Multiple Stage Cementing Collar Used? _____ Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2900'

feet depth to surface w/ 520 sx cmt.

Drilling Fluid Management Plan ALT # 4-9-98 SK
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

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 Glen S. Soderstrom

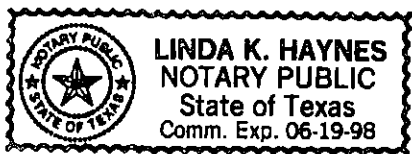
Title Glen S. Soderstrom, Operator Date 3/6/98

Subscribed and sworn to before me this 6th day of MARCH, 1998.

Notary Public Linda K. Haynes

Date Commission Expires 6-19-98

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



RECEIVED
3-11-98

ORIGINAL

Operator Name Glen S. Soderstrom

Lease Name Stanco

Well # 1 27

Sec. 27 Twp. 21 Rge. 40
 East
 West

County Hamilton

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:
 Gamma Ray, Density-Neutron
 Cement Bond, correlation log

Name	Top	Datum
Dakota	845	+2687
Permian	1245	+2287
Base, Stone Corral	2359	+1173
Winfield	2780	+752
Towanda	2811	+721
Fort Riley	2858	+674
TD	2900	+632

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 1/4	8 5/8"	23#	263	40/60 poz	165	2%gel, 3%CaCl
Prod.	7 7/8	4 1/2	9.5	2897'	Midcon II	520	salt, gel, gilsonite

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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/ft	2822-30(17), 2833-36(7), 2842-47(11)		1000 gal. 15% NEFE acid	
			2000 gal 7 1/2% NEFE acid	
			1000 gal 7 1/2% HCL and frac	
			20,000gal gel water, 26,000 # 16/30 Ottawa sand.	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2 3/8	2871	n/a				
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)					
April, 1998								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
			WOPT					

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) _____



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CLASSIFICATION

TICKET No. PAGE OF

FORM 1911 R-10

CUSTOMER: Soderstrom WELL: Stanco #18-27 DATE: 4-4-97

Table with columns: PRICE REFERENCE, SECONDARY REFERENCE/PART NUMBER, ACCOUNTING (LOC, ACCT, DF), DESCRIPTION, QTY., U/M, UNIT PRICE, AMOUNT. Includes items like 40/60 Pozmix Standard, 3sk Halliburton Gel@2%, and X EXHA Calcium Chloride.

ORIGINAL

RECEIVED KANSAS CENTRAL 1998 MAR 1 11:41

Summary rows for 500-207 (SERVICE CHARGE) and 500-306 (MILEAGE CHARGE, TOTAL WEIGHT, LOADED MILES, TON MILES).

CONTINUATION TOTAL 3,032.14

No. B 339299

P.07

03-06-98 10:48P

FAX NO.: 1 913 625 2536

FROM: HES HAYS

JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY Midcontinent USA	TICKET # 196412	TICKET DATE 4-4-97
MBU ID / EMP # H10603 H1182	EMPLOYEE NAME Tim Hennenstiel	BDA / STATE Hays, Ks	COUNTY Hamilton
LOCATION Hays, Ks	COMPANY Soderstrom	PSL DEPARTMENT 25041	CUSTOMER REP / PHONE Ed McKinnen
TICKET AMOUNT \$ 4783.14	WELL TYPE 01	API / UWI # 15-075-20640000	JOB PURPOSE CODE 010
WELL LOCATION South of Tribune, Ks	DEPARTMENT cat		
LEASE / WELL # Stanco 1-27	SEC / TWP / RNG 4-27-21		

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
Tim Hennenstiel H1182 3			
Ken Richmeier 59294 3			
Doug Berlin G1518 1			

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
46091							
53292							
52418							

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

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug	1	1A-11
Hood		
Packer		
Other		

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
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		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
TIME	15:00	18:00	19:30	21:00

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing					
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT
Perforations					
Perforations					
Perforations					

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
4-4-97		4-4-97		STANCO 1-27
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	
	Reason	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
		41/60		2% gel 3% CC	1.3	13.6

Circulating Breakdown	Displacement	16.712M	Preflush:	Gal - BBI	Type
Average	Maximum		Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Shut In: Instant	Frac Gradient		Treatment	Gal - BBI	Disp: BBI - Gal
	5 Min	15 Min	Cement Slur	Gal - BBI	
			Total Volume	Gal - BBI	38.2

JOB LOG 4239-5

REGION North America	NWA/COUNTRY Mexico	TICKET # 170-117	TICKET DATE 03-04-98
NBU ID / EMP #	EMPLOYEE NAME	BDA / STATE	COUNTY
LOCATION	COMPANY	PSL DEPARTMENT	
TICKET AMOUNT	WELL TYPE	CUSTOMER REP / PHONE	
WELL LOCATION	DEPARTMENT	API / UWI #	
LEASE / WELL #	SEG / TWP / RNG	JOB PURPOSE CODE	

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. (psf)		JOB DESCRIPTION / REMARKS
				T	C	Tob	Cog	
	1500							called out
	1800							on loc. discuss job, have safety meeting
	1810							rig up hole made @ 263
	1840							start cog
	1925							cog TD 262' KB - 2'
	1932							hoop up to cog + rig dump + establish circ
	1935							hoop up to pump truck
	1940							start 3 bbl. spacer then start cement 16.5 sls
	1950		382					drop plug + start disp.
	2000		425					plug down from 262' to 263'
	2015							work up truck + rack up
	2045							break paperwork
	2100							job complete
								Thank you Tom + Ken + Doug

RECEIVED
 KANSAS CITY
 03/06/98

JOB LOG 4239-D

REGION: North America		NW/COUNTRY: Mexico	TICKET #: 116111	TICKET DATE: 4/1/98
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	BOA / STATE: N.C.	COUNTY: Hamilton
LOCATION	COMPANY	CUSTOMER REP / PHONE		
TICKET AMOUNT	WELL TYPE	API / UWI #		
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE		
LEASE / WELL #	SEC / TWP / RNG			

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	Tag	Csg	
	0615							Called ext
	1030							On location w/ float equipment doing collar work
								Discussion Job
	1200							Start Used 4 1/2" 9 1/2" bit case
								Pump truck / Cement on line
								Casing on bottom, Drop Ball
	1315					300		Rig up to circulate, Ball through insert
	1320	4	12			150		Rig up to pump truck
	1335	5				150		Pump mud flush
			190					Start mixing cement
			45					350 sks medium II 2% CC 14" float ball
								170 sks FA-2 7% Calcium 15% SPB
								6/10% added - 322 14" D-Air 5" Gilscole 15'
	1423	5				150		Cement mixed
								wash out pump - line
	1425							Release plug
	1430	5 1/3	47			1500		Start displacement
								Plug down
								Release pressure - Flood HELD
								wash up
								Back up
								Job complete
								Pressure on bottom

Thank you
Mark Miller, Elton & Greg

Printed on 11/11/98
 HES HAYS
 HES HAYS

JOB SUMMARY 4939.1

REGION North America	NWA/COUNTRY midcontinent	TICKET # 196191	TICKET DATE 4-7-97
MOB ID / EMP # NA0502 41489	EMPLOYEE NAME Gail Palmberg	BDA / STATE KS	COUNTY Hamilton
LOCATION Hays 25525	COMPANY Glen S. Soderstrom	PSL DEPARTMENT 5001	CUSTOMER REF / PHONE Glen Soderstrom
TICKET AMOUNT 1819	WELL TYPE 02	API / UWI #	JOB PURPOSE CODE 035
WELL LOCATION 20 S 46 Tribune ks	DEPARTMENT 5005		
LEASE / WELL # Stano 1-27	SEC / TWP / RNG 27-21-40 W		

ORIGINAL

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)
G Palmberg 41489			
M Kardia 61511			
D Reding 61512			
E Reynolds 47558			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
41326	384						
57557	384						
3860	384						
3846-8206	384						

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
4-7	0615	1030	1300	1530

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Fulup	1	HES
Float Shoe Frcs 4 1/2	1	HES
Guide Shoe Reg 4 1/2	1	HES
Centralizers S-Ly 4 1/2	4	HES
Bottom Plug		
Top Plug 5w 4 1/2	1	HES
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	4	9.5	4 1/2	0	2899	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			77/8	2899	2900	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

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

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
4-7	5	4-7	1 1/2	2850
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avgil. _____ Used _____

TREATED _____ AVERAGE RATES IN BPM _____ Overall _____

FEET 10 CEMENT LEFT IN PIPE _____ Reason 5406 Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	250	midcon II	B	2% CC 1/2" Fluocelak	3.32	11.1
2	100	EA-2	B	7% Calcein 25% 5% Salt 1/2" D-Ax 10% Hald - 322 5" Gilsun 4/sk	1.30	15.5

Circulating _____	Displacement _____	Preflush: Gal - BBI 12	Type mud Flush
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI - Gal
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI - Gal 47
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI 235	
		Total Volume Gal - BBI 294	

03-06-98 10:40P P.02

FAX NO.: 1 913 625 2536

FROM: HES HAYS



HALLIBURTON

HALLIBURTON ENERGY SERVICES
HAL-1906-P

CHARGE TO
Glen S. Soderstrom
ADDRESS
9105 Drumcliffe Lane
CITY STATE ZIP CODE
Dallas Tx 75231

ORIGINAL - DUNCAN COPY TICKET

No. 196191-

PAGE 1 OF 12

SERVICE LOCATIONS 1. <i>HAYS 25525</i>	WELL PROJECT NO. <i>1-27</i>	LEASE <i>Stanco</i>	COUNTY PARISH <i>Hamilton</i>	STATE <i>Ks</i>	CITY OFFSHORE LOCATION <i>Tribune, Ks</i>	DATE <i>4-7-97</i>	OWNER <i>same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE JOB? <input type="checkbox"/> YES <input type="checkbox"/> SALES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Murfin Drlg</i>	RIG NAME NO. <i>13</i>	SHIP TO <i>CT</i>	DELIVERED TO <i>Wellsite</i>	ORDER NO.	
3.	WELL TYPE <i>02</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>035</i>	WELL PERMIT NO.	WELL LOCATION <i>205 4-E Tribune, Ks</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
<i>000-117</i>					MILEAGE	<i>300</i>	<i>ml</i>	<i>3</i>	<i>20</i>	<i>960</i>
<i>001-016</i>					Pump Services	<i>2899</i>	<i>ft</i>		<i>1680</i>	<i>1680</i>
<i>030-016</i>					Top Plug	<i>1</i>	<i>EA</i>	<i>4 1/2</i>	<i>in</i>	<i>45</i>
<i>12A</i>	<i>825.201</i>				Guide Shoe	<i>1</i>	<i>EA</i>	<i>4 1/2</i>	<i>in</i>	<i>95</i>
<i>24A</i>	<i>815.19101</i>				Insert Float Valve	<i>1</i>	<i>EA</i>	<i>4 1/2</i>	<i>in</i>	<i>100</i>
<i>27</i>	<i>815.19111</i>				Auto-fill Unit	<i>1</i>	<i>EA</i>	<i>4 1/2</i>	<i>in</i>	<i>52</i>
<i>4D</i>	<i>806.60004</i>				Centralizers	<i>4</i>	<i>EA</i>	<i>4 1/2</i>	<i>in</i>	<i>56</i>
<i>250</i>	<i>890.10802</i>				Howeo Weld	<i>1</i>	<i>lb</i>			<i>76</i>
<i>018-315</i>					Mud Flush	<i>500</i>	<i>gal</i>			<i>75</i>

ORIGINAL

RECEIVED
KANSAS COMPANY
APR 11 1997

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

[Signature]
DATE SIGNED: _____ TIME SIGNED: _____

A.M. P.M.

do not require IPC (Instrument Protection). Not altered

CUSTOMER DID NOT WISH TO RESPOND

SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY	AGREE	LY-DECIDED	OB-AGREE	UNIT
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?			
TYPE OF EQUALIZING SUB	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
TREE CONNECTION	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
TYPE VALVE					

PAGE TOTAL: *3547*

FROM CONTINUATION PAGE(S): *14640*

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: *18185*

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>Glen S. Soderstrom</i>	CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>Gail Palmberg</i>	EMP # <i>9457</i>	HALLIBURTON APPROVAL
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TICKET CONTINUATION

ORIGINAL

TICKET No. 196191

HALLIBURTON ENERGY SERVICES Trk 3846-8206

CUSTOMER: Glen Soderstorm; WELL: 1-27 Stanco; DATE: 4-7-97; PAGE 2 OF 2

FORM 1911 B-10

Table with columns: PRICE REFERENCE, SECONDARY REFERENCE/PART NUMBER, ACCOUNTING (LOC, ACCT, OF), DESCRIPTION, QTY, U/M, UNIT PRICE, AMOUNT. Includes items like Mid-Con 2, Standard Cement, Cal-Seal Blended, Calcium Chloride Blended, Flocele Blended, Salt Blended, D-Air-1, Halad-322 Blended, Gilsondte Blended, and SERVICE CHARGE.

ORIGINAL

RECEIVED KANSAS CORP COMM 1998 MAR 11 A 11:42

911 1/4 912 02

4,807 102 14,641.33

CONTINUATION TOTAL

No. B 339304

03-06-98 10:42P P.03 FAX NO.: 1 913 625 2536 FROM: HES HAYS

ORIGINAL

Geological Report
#1-27 Stanco Well
C/SE Sec. 27, T 21 S, R 40 W
Hamilton Co., Kansas

15-075-20640

The subject well was drilled in order to establish natural gas production below the Winfield Formation of the Wolfcamp Chase Group in the Bradshaw Field of Western Kansas. As with our other wells, the location was selected to encounter well-developed carbonate shoals in the Winfield, Towanda, and Fort Riley formations.

As the enclosed maps and logs illustrate, good shoaling was encountered in the Winfield and Fort Riley formations. The well actually ran higher structurally than anticipated (+752 on the Winfield). Roundness and sphericity of the carbonate grains could not be measured in the samples because the shoals have been dolomitized to a sucrosic dolomite.

Sample shows of gas under 10% HCL were evident from the Winfield to TD. The well was bottomed in the Florence Limestone although typical Florence Limestone samples never reached the surface. Log tops from a GR-Density-Neutron log are as follows as correlated with the Kansas Geological Society type log for Stanton and Hamilton counties, United Producing Company No. 1 Carl Lane (25-27S-41W):

Elevation 3527 GL, 3532 KB (log measured from Kelly Bushing)

CRETACEOUS Well spudded in thin soil profile on top of undifferentiated clay.

Fort Hays Limestone	532'	(+3000)
Codell	594'	(+2938)
Blue Hills Shale	626'	(+2906)
Greenhorn Limestone	715'	(+2817)
Graneros Fm.	788'	(+2744)
Dakota Group	845'	(+2687) SS poorly developed

JURASSIC

Morrison 1152' (+2370) More like Cloverly

PERMIAN

UPPER PERMIAN

Taloga	1245'	(+2287)
Day Creek Dolomite	1334'	(+2198)
Whitehorse Fm.	1352'	(+2180)

LOWER PERMIAN

CIMARRONIAN, Nippewalla Group

Dog Creek Fm.	1623'	(+1909)
Blaine Fm.	1642'	(+1890)
Flower Pot Shale	1742'	(+1790)
Cedar Hills Salt	1766'	(+1766) Thick salt deposit
Salt Plains SS	2106'	(+1426) Mostly shale & siltstone
Harper Siltstone	2192'	(+1340)
Stone Corral	2274'	(+1258) KGS picks this as top of the
Base, Stone Corral	2359'	(+1173) Sumner Group not at base.
Sumner Group		Top Wichita-Albany and
Ninnescah Shale	2359'	(+1173) Leonardian in age.
Wellington Fm.	2640'	(+892) Hollenberg absent

GEARYAN, Chase Group

Herington Limestone 2736' (+796) Thin and tight

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Geol. Report, #1-27 Stanco

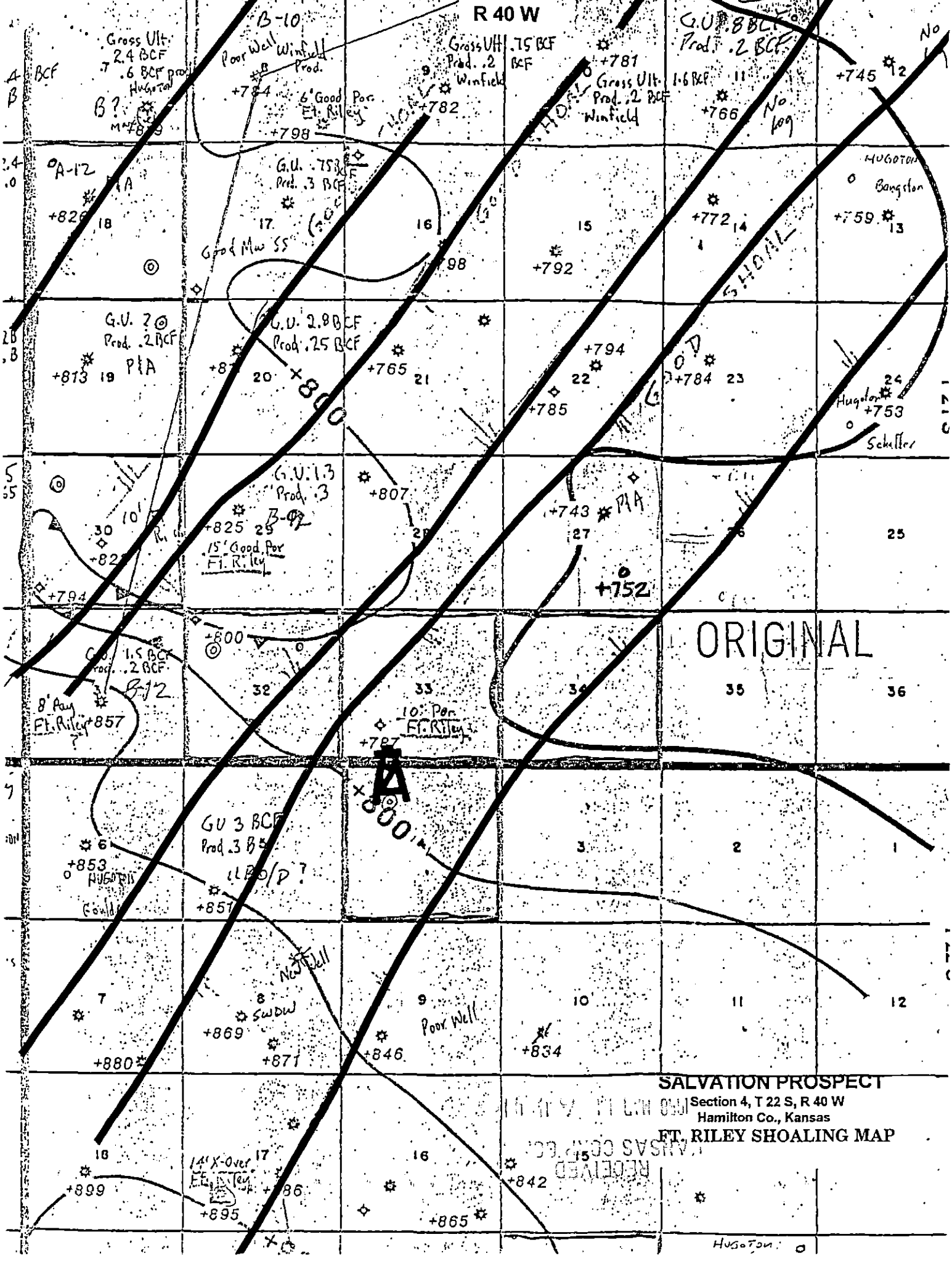
Krider Limestone	2748'	(+784)	Also thin and tight
Winfield Limestone	2780'	(+752)	Good "B" shoaling
Towanda Limestone	2811'	(+721)	Fair "E" shoaling
Fort Riley	2858'	(+674)	Good "F" & "G" shoaling
TD 2900'	(+632)		

Pipe was set on bottom to attempt completion from the Fort Riley and Towanda formations.

Glen S. Soderstrom
Petroleum Geologist

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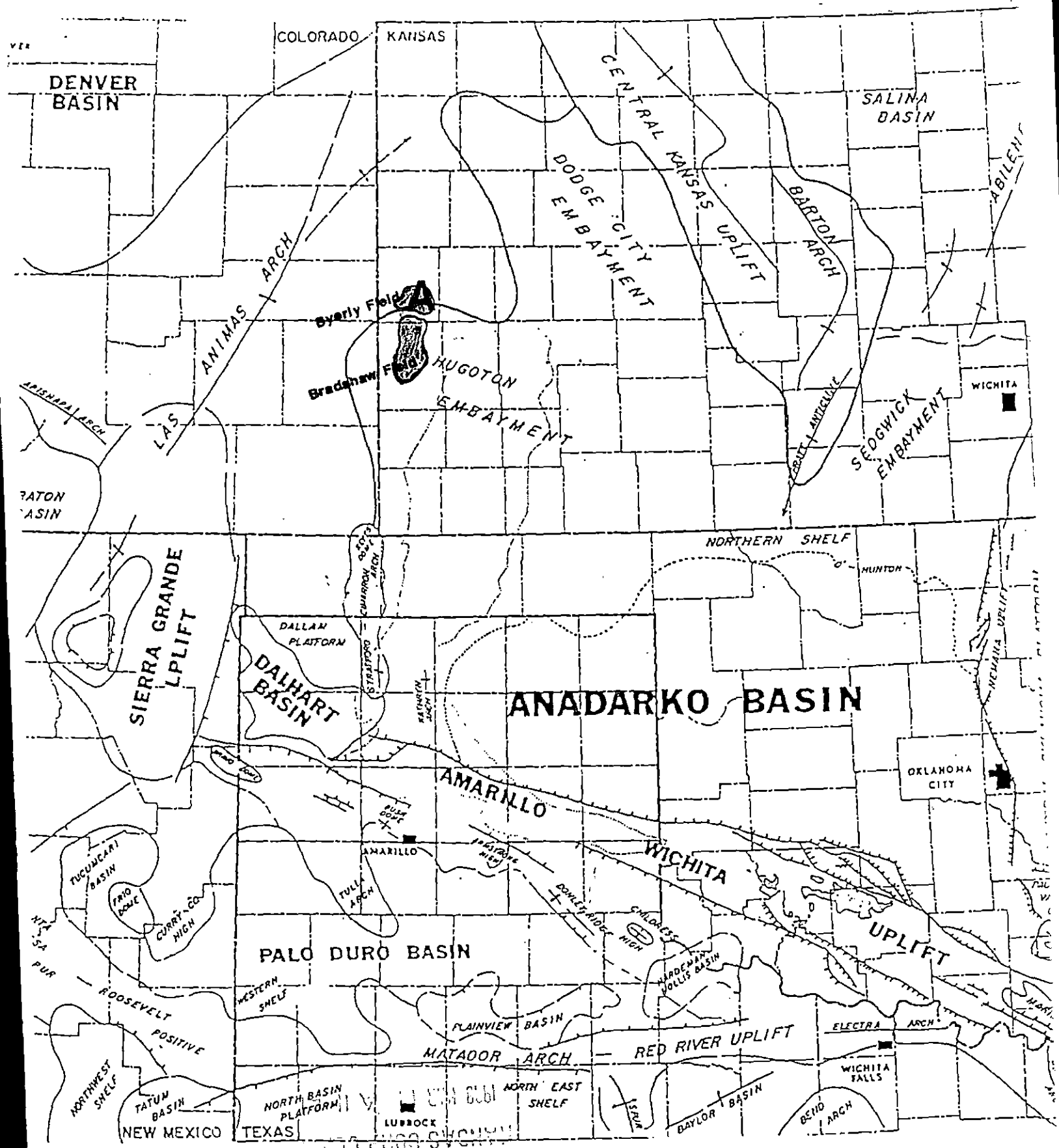


SALVATION PROSPECT
 Section 4, T 22 S, R 40 W
 Hamilton Co., Kansas
 FT. RILEY SHOALING MAP

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AREA OF PRINCIPAL EXPLORATION INTEREST ORIGINAL











Mid-Continent Area of the United States

ORIGINAL

Generalized Stratigraphic Chart

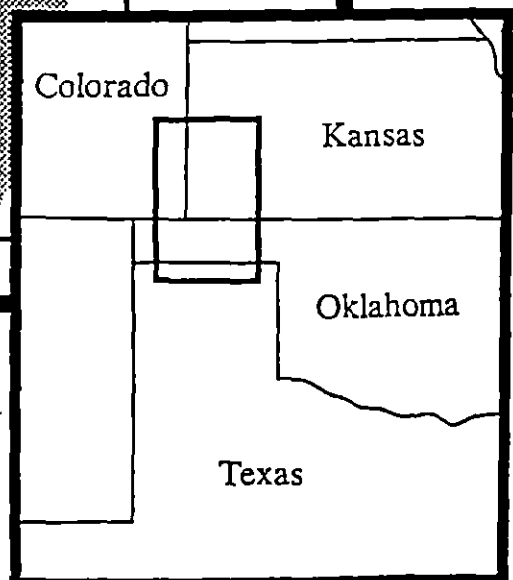
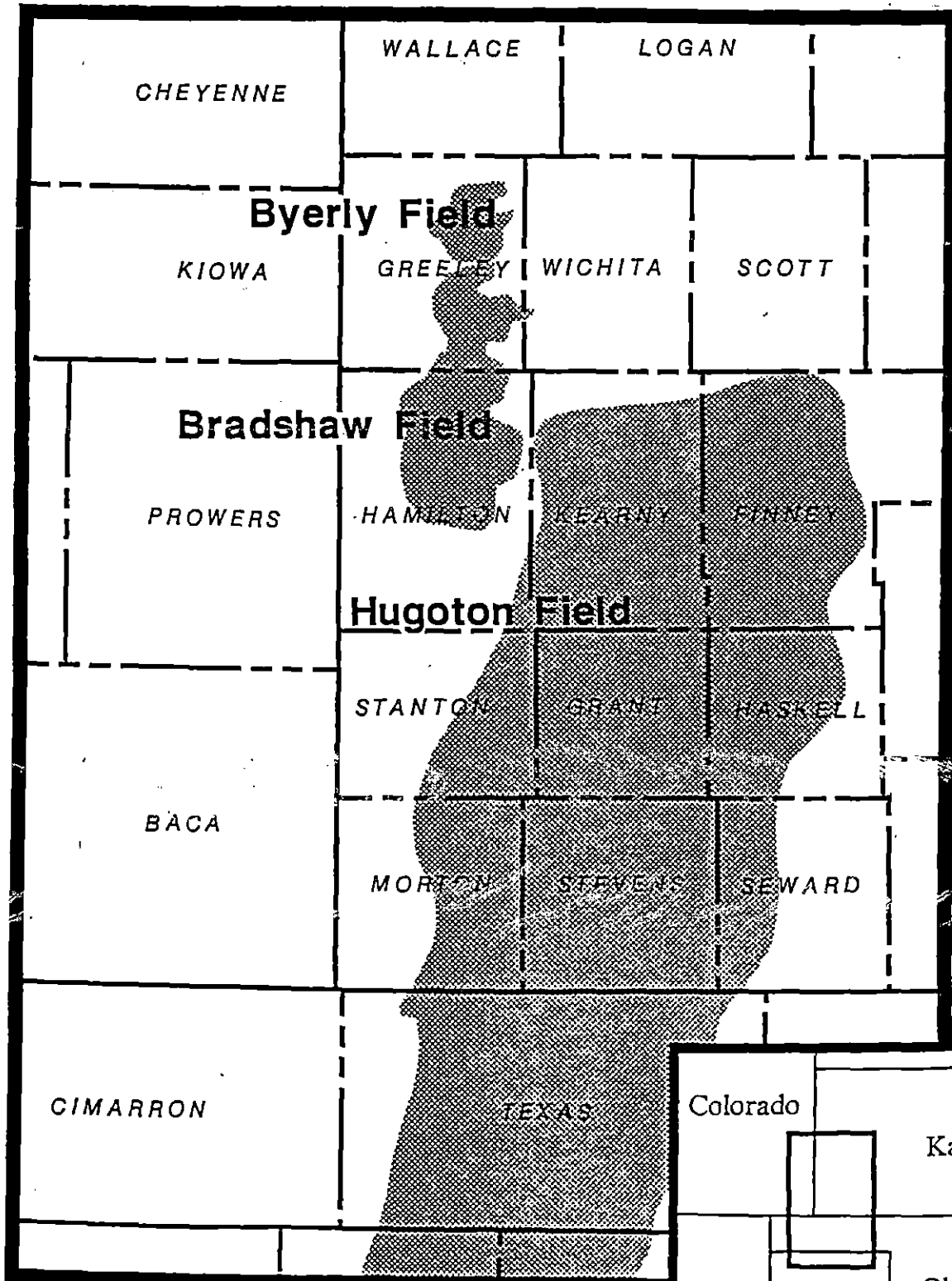
FOR
Southwest Kansas

PERMIAN SYSTEM		Sumner Group	Wellington Formation
	WOLFCAMPIAN SERIES	Chase Group	<ul style="list-style-type: none">  HERRINGTON LIMESTONE Paddock Shale  KRIDER LIMESTONE Odell Shale  WINFIELD LIMESTONE Gage Shale  TOWANDA LIMESTONE Holmesville Shale  FORT RILEY LIMESTONE Oketo Shale  FLORENCE LIMESTONE Matfield Shale Wreford Limestone
		Council Grove Group	

-  Gas producing zone
-  Potential gas producing zone

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