

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

Operator: License # 31521

Name: Kenmark Corporation

Address: P.O. Box 572

City/State/Zip Hays, Kansas 67601-0572

Purchaser: None--Results Not Favorable

Operator Contact Person: Mark Kilian

Phone (316) 722-5076

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Mark Kilian

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIDW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSV, 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SVD or Inj) Docket No. _____

12-03-96 12-09-96 12-09-96
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

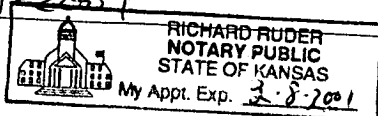
Signature: James A. Nator

Title: Vice-President Kenmark Corporation Date: 4/25/97

Subscribed and sworn to before me this 25th day of APRIL 19 97.

Notary Public: Richard Ruder

Date Commission Expires: 3-1-2001



API NO. 15- 051-24947 0000
County Ellis County, Kansas
C-SW -SW Sec. 13 Twp. 13S Rgp. 20 XX
660 Feet from 0 (circle one) Line of Section
660 Feet from 0 (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner NE, SE, NW or 0 (circle one)
Lease Name Dreiling Well # J
Field Name None
Producing Formation None
Elevation: Ground 2169' KB 2177'
Total Depth 3917' PBTB 3800'
Amount of Surface Pipe Set and Cemented at 207' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1,540' feet
If Alternate II completion, cement circulated from 1,540' feet depth to surface w/ 190 lb cement
Drilling Fluid Management Plan AH-2V.C. -12-1897
(Data must be collected from the Reserve Pit)
Chloride content 19,000 ppm Fluid volume _____
Deviating Method Used _____
Location of fluid disposal if hauled offsite _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp S Rgp. E & W
County _____ Docket No. _____

04-28-1997

E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 ECC SWD/Rep KCPA
 ICS Plug Other
(Specify)

Operator Name Kenmark Corporation Lease Name Dreiling Well # 1
 County Ellis County, Kansas
 Sec. 13 Twp. 13S Rge. 20
 East West

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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
See Geo. Report 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	1520'	+ 657'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3234	-1057'
List All E.Logs Run: RAG Log Neutron/Density Cement Bond		Heebner Shale	3471'	-1294'
		Toronto	3493'	-1316'
		Lansing	3512'	-1335'
		Base Kansas City	3756'	-1579'
		Marmaton	3800'	-1623'
		Conglomerate	3850'	-1673'
		Arbuckle	3882'	-1705'
		R.T.D.	3917'	-1740'
		L.T.D.	3918'	-1741'

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	12-1/4"	8-5/8"	20#	207'	60/40	135	3%cc 2%gel
Production	7-7/8"	4-1/4"	10.5#	3915'	ASC	160	10%salt

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
2	3,804 to 3,808	1,000 gal. 15% NE Acid	
2	3,734 to 3,736	Did Not Treat	
2	3,708 to 3,712	250 gal. 15% NE Acid	
2	3,601 to 3,604	1,250 gal. 15% NE Acid	

TUBING RECORD	Size 2 3/8	Set At 3,910	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. January 9, 1997 Producing Method Flowing Pumping Gas Lift Other (Specify)

Estimated Production Per 24 Hours	Oil 1 1/2 Bbls.	Gas Mcf	Water 60 Bbls.	Gas Oil Ratio	Gravity 31
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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

ALLIED CEMENTING CO., INC. 7347

15-051-24947-00-00

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

ORIGINAL

SERVICE POINT: Russell

DATE <u>12-3-96</u>	SEC <u>13</u>	TWP <u>13</u>	RANGE <u>20</u>	CALLED OUT <u>8:00 PM</u>	ON LOCATION <u>9:30 AM</u>	JOB START	JOB FINISH <u>1:30 PM</u>
LEASE <u>Drilling</u>		WELL # <u>1</u>	LOCATION <u>YOCemento 4 W 15</u>			COUNTY <u>Ellis</u>	STATE <u>KAN</u>

OLD OR NEW (Circle one)

CONTRACTOR Duke Drilling #1

TYPE OF JOB Surface

HOLE SIZE <u>12 1/2</u>	T.D. <u>211</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>211</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

OWNER _____

CEMENT

AMOUNT ORDERED 135 pk 60/40 3-2

COMMON	81 @ 6.10	494.10
POZMIX	54 @ 3.15	170.10
GEL	3 @ 9.50	28.50
CHLORIDE	4 @ 28.00	112.00
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING	@ 105	141.75
MILEAGE <u>11m</u>	@ 04	80.00

TOTAL 1026.45

EQUIPMENT

PUMP TRUCK	CEMENTER <u>BILL</u>
# <u>177</u>	HELPER <u>Will</u>
BULK TRUCK	
# _____	DRIVER _____
BULK TRUCK	
# <u>213</u>	DRIVER <u>Jason</u>

REMARKS:

Ran 6 hr 8 5/8 Set @ 211

Com w/ 135 pk 60/40 3-2

Pump plug w/ 12 1/2 bbls. water

Com ded circulate

SERVICE

DEPTH OF JOB	_____	
PUMP TRUCK CHARGE		445.00
EXTRA FOOTAGE	@ _____	_____
MILEAGE <u>11m</u>	@ 285	3135
PLUG <u>1 5/8 wood</u>	@ _____	45.00
_____	@ _____	_____
_____	@ _____	_____

TOTAL 521.35

CHARGE TO: Kenmark Inc.

STREET P.O. Box 572

CITY Hays STATE Kan ZIP 67601

FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____

TOTAL _____

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

SIGNATURE Mike Godfrey

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., INC. 5673

15-051-24947-00-00

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

ORIGINAL

SERVICE POINT: K

DATE <u>12-9-96</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>9:30 pm</u>	JOB START <u>1:00 am</u>	JOB FINISH <u>12:15 am</u>
LEASE <u>Dredging</u>	WELL# <u>1</u>	LOCATION <u>E. Ellis 2E 15 4E</u>			COUNTY <u>Ellis</u>	STATE <u>Mo</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Duly #1

TYPE OF JOB Prod String

HOLE SIZE 7 7/8 I.D. 3917

CASING SIZE 4 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 9.81

CEMENT LEFT IN CSG.

PERFS.

OWNER Same

CEMENT

AMOUNT ORDERED 160 ASC 10% salt
500 gal water

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
<u>ASC</u>	<u>160</u>	@ <u>78⁰⁰</u>	<u>1256⁰⁰</u>
<u>W70-2</u>	<u>500 gal</u>	@ <u>1⁰⁰</u>	<u>500⁰⁰</u>
<u>Salt</u>	<u>15</u>	@ <u>7⁰⁰</u>	<u>105⁰⁰</u>
	@		
	@		
HANDLING	@	<u>105</u>	<u>168⁰⁰</u>
MILEAGE <u>44/50/1 mile</u>			<u>96⁰⁰</u>
TOTAL			<u>2125⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mark

153 HELPER Dave

BULK TRUCK

213 DRIVER Jason

BULK TRUCK

DRIVER

REMARKS:

Cent on 12, 4, 7, 12, 60, 65

Port collar @ 1540' on 61

Float Held

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1030⁰⁰</u>
EXTRA FOOTAGE	@		
MILEAGE <u>15</u>	@	<u>28⁰⁰</u>	<u>42⁷⁵</u>
PLUG <u>4 1/2 Rubber</u>	@		<u>38⁰⁰</u>
	@		
	@		
TOTAL			<u>110⁷⁵</u>

CHARGE TO: KenMark Corp

STREET _____

CITY Hays STATE Kansas ZIP 67661

FLOAT EQUIPMENT

(Baker)			
<u>4 1/2</u>	<u>socket</u>	@	<u>235⁰⁰</u>
	<u>Guide Shoes</u>	@	<u>140⁰⁰</u>
	<u>6 Cent</u>	@ <u>53⁰⁰</u>	<u>318⁰⁰</u>
	<u>1-barbet</u>	@	<u>329⁰⁰</u>
	<u>Port collar</u>	@	<u>2340⁰⁰</u>
TOTAL			<u>3162⁰⁰</u>

To Allied Cementing Co., Inc.

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

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Duke Duly



HALLIBURTON ENERGY SERVICES

HAL-1906-P

15-051-24947-00-00

CHARGE TO: Ken Mack Corp
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

CUSTOMER COPY

TICKET

No. 104195 - 3

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>025525</u>	WELL/PROJECT NO. <u>1</u>	LEASE <u>Dreiling</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>1-8-97</u>	OWNER <u>Same</u>
2. _____	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Paula Well Serv.</u>	RIG NAME/NO. <u>52557</u>	SHIPPED VIA <u>S.E. Ellis Ks</u>	ORDER NO.	
3. _____	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>145</u>	WELL PERMIT NO.	WELL LOCATION <u>13-13-20th Ellis</u>		
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	
300-111		1	35		MILEAGE <u>1-6, 1-7, 1-8</u>	18	mi	2	units	107.64
200-024		1	35		Pump charge <u>1-6, 1-7</u>	2	EA	1000	PSI	1485.00
201-004		1	40		REG ACID	15	%	1500	Gal	2115.00
218-702		1	35		LoSurf 259	6	Gal			234.00
210-013		1	35		HAI 85m	1 1/2	Gal			87.38
510-222		1	30		20/40 sand	1	SK			10.00
000-117		1	30		mileage <u>1-8 - P.T. Cmt Job</u>	18	mi	1	unit	53.82
090-910		1	30		Pump Charge CMT	2	HR	1	EA	650.00
200-025		1	30		ADD Hours Pump For ACID Job 1-8	2	HR			385.00
201-004		1	40		Reg ACID	15	%	1000	Gal	1410.00
218-702		1	35		LoSurf 259	4	Gal			156.00
210-013		1	35		HAI 85m	1	Gal			58.25

ORIGINAL

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.

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	6752.09	
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION PAGE(S)	3176.86	
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	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?						
DATE SIGNED <u>1-6-97</u>	TIME SIGNED <u>0900</u>	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TREE CONNECTION		TYPE VALVE		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				<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE			9928.95

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) <u>MARK Killian</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Mark Killian</u>	HALLIBURTON OPERATOR/ENGINEER <u>L. Ornel HA020</u>	EMP # <u>B2150</u>	HALLIBURTON APPROVAL
--	---	--	-----------------------	----------------------

FIELD _____ SEC. 13 TWP. 13^S RNG. 20^W COUNTY Ellis STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS / MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS / MCFD
COMPLETION DATE 1-6-97 MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N		4 1/2			
LINER						
TUBING	N		2 3/8			
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-6-97</u>	DATE <u>1-6-97</u>	DATE <u>1-6-97</u>	DATE _____
TIME <u>0600</u>	TIME <u>0830</u>	TIME <u>0930</u>	TIME _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>L Dunkle</u>	<u>40087 TOOLS</u>	<u>Haysk # 2</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API
DISPL. FLUID _____ DENSITY _____ LB./GAL. °API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE Reg GAL. 3000 % 15
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ GAL. _____ IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
GELLING AGENT TYPE _____ GAL.-LB. _____ IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
BREAKER TYPE _____ GAL.-LB. _____ IN
BLOCKING AGENT TYPE _____ GAL.-LB. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT TOOLS & ACIP
DESCRIPTION OF JOB Run Tools & Treat Pipe
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X [Signature]
HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>190</u>	<u>MIDCON II</u>		<u>B</u>	<u>2% CC 1/4 # Fluoate</u>	<u>2.87</u>	<u>11.4</u>

PRESSURES IN PSI _____ **SUMMARY** _____ **VOLUMES** _____

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED? _____ **REMARKS** _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

CUSTOMER Len Mar K Corp.
LEASE Dreiling
WELL NO. 1
JOB TYPE Tools & Ac. 2
DATE 1-6-97



CUSTOMER: KenMark Corp
 WELL NO.: 1
 LEASE: Dredging
 JOB TYPE: Tool + Acid
 TICKET NO.: 104194-104195

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0600							Called out Ready at 0900 For Tools
	0830							On loc w/ 4 1/2 RTTS #403 + RBP #444 Log Tech Preparing 3601-04, 3708-12, 3734-36, 3804-08
								ORIGINAL
	0945							Start Tools in hole on 2 3/8 T06
	1200							Set RBP at 3870 Swab Test zone 3804-08 RTTS at 3768
	1355							RTTS at 3810 SPOT 6 1/2 BBC ACID RTTS at 3768 To Treat
	1410							Start Acid Total 1000 gal 15% NE hole loaded 300 PSI slow bleed off Increase PSI to 500 PSI " " " " 600 " " " " 700 " "
	1438	.3				725		" " 725 ST Feeding w/ 2 BBC in .3 BPM
	1443	1				300		4 BBC in 18 BPM 300 PSI*
	1446	3 1/2				900		6 BBC in 3 1/2 900 PSI
		4				1350		12 BBC in 4 BPM 1350
		4				1400		overflush 2 BBC
	1450					400		ISFP 400
	1455					200		5 min 200
	1500					175		10 min 175
	1505					150		15 min 150
	1508							Release to Truck of low back 3 BBC
	1515							Swab Test
	1700							Released for Day
	0800							on loc 1-7-96 RIG swabbing
	0830							move Tools over pipe 3734-36 RBP at 3777 RTTS at 3722
	0845							Swab Test RTTS at 3732 to spot acid WILL NOT TREAT

24 BBC ACID
 16 BBC FINE
 40 BBC LOAD



JOB LOG HAL-2013-C

CUSTOMER KenMark Corp WELL NO. 1 LEASE Dreiling JOB TYPE Tool & Acid TICKET NO. 104194-104195

SHAFT NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
2	11 00							MOVE TOOLS OVER Perfs 3708-12 RBP 3726 RTTS 3670 ORIGINAL Swab Test
	12 30							RTTS 3714 To SPOT ACID 5 1/2 BBL RTTS 3670 Treat w/ 250 Gal 15% NE hole load 200 PSI
	12 36							
	13 00							increase PSI to 300
	13 10							" " 400
	13 15							" " 500
	13 20	.4				400		1/2 BBL in ST Feeding .4 BPM 400 PSI
		1				175		1 BBL in 1 BPM 175 PSI
		2				200		2 BBL in 2 BPM 200 PSI
		2				150		5 BBL in 2 BPM 150 PSI
	13 25					0		ACID in 2 BBL overflush 2 BPM 150 instant VAC Swab Test
	14 45							MOVE TOOLS OVER Perfs 3601-04 RBP 3648 RTTS 3578 Swab Test
	15 50							RTTS 3601 SPOT 5 BBL ACID
	16 00							RTTS 3578 Treat w/ 250 gal 15% NE hole load 50 PSI 2 BPM
		2				50		
		2				0		Broke to 0
		4 1/2				50		increase rate to 4 1/2 BPM 50 PSI
	16 03	4 1/2				50		Finish Disp Instant Vac Swab Test
						0		
								SHUT DOWN FOR DAY on loc check Filhp 170' 60% oil ORDER 100 gal 15% NE
	09 30							ST ACID
	09 35					500		hole load 5 BBL over 500 PSI stage FOR 15 min
	09 50	4 1/4				450		ST Feeding Broke to 4 1/4 BPM 450
	10 00							Finish Disp well on instant VAC



HALLIBURTON

15-051-24947-00-00

DATE: 1-8-97 PAGE NO. 3

JOB LOG HAL-2013-C

CUSTOMER: KenMark WELL NO.: 1 LEASE: Drilling JOB TYPE: Tool & Acid TICKET NO.: 104194-104195

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:15							Swab Test
	12:00							MOVE RBP TO 3320 above all Puffs
	13:10							Test RBP TO 1250 held OK
	13:15							Circ oil out of hole
	13:15							SPOT 15 KS sand
	13:25							Pull RTTS out of hob order 190SKS MIDCON II 2%CC 1/4" #
	14:30							Run in hole w/ Port Collar opening Tool
	15:00							Isolate Port collar
								Load hole + Test to 1000 OK
	15:10	2				300		open port collar + Take Rate 2 BPM 300 PSI
*	15:13	3 1/2				500		Start mixing Cement 190SKS MIDCON II 2%CC 1/4" # floeels
*		3 1/2				600		Cement Circulated to pit 25SKS
	16:15					1000		Close port collar + Test held 1000 PSI
			10			300		Run 3 ITs + Rev Tbg Clean
	16:30							Run down + wash sand off plug
								Release RBP + Pull out of hole
	18:00							Job Complete.

ORIGINAL

Thank You Lenny & Crew

Lenny Dimpfel Halliburton Paul Fisher Paul Well Serv.

15-051-24947-00-00

ORIGINAL

KENMARK CORPORATION

DREILING #1

C-SW-SW
Section 13-13-20W
Ellis County, Kansas

Geological Report

15-051-24947

By:

Mark Kilian
7615 Shady Lane
Wichita, KS 67205

December 15, 1996

ORIGINAL

KENMARK CORPORATION
P.O. Box 572
Hays, Kansas 67601

RE: Dreiling #1
C-SW-SW 13-13-20
Ellis County, Kansas

15-051-24947

Dear Mr. Norton:

The Dreiling #1 well was drilled with rotary tools commencing December 3, 1996 to a rotary depth of 3917' (-1740 Datum), drilling was completed December 9, 1996. Two (2) DST's were taken by Western Testing Co., Inc., 4 1/2" casing was set one (1) foot off bottom at 3917' L.T.D.

Operator: KENMARK Corporation
Contractor: Duke--Rig #1
Elevation: 2169' G.L. 2177' K.B.
Geological Supervision: 3250' to R.T.D.
Drilling Time: 3100' to R.T.D.
Samples: 3100' to R.T.D.
Drill Stem Tests: Two (2)--Western Testing Company, Inc.
Electric Log: Log Tech.--RAG Neutron/Density, Cement Bond
Pipe Record: 8 5/8" @ 207' 4 1/2" @ 3917'

<u>Formation</u>	<u>Depth</u>	<u>Subsea Datum</u>
Anhydrite	1520'	+ 657'
Base Anhydrite	1566'	+ 611'
Topeka	3234'	- 1057'
Heebner Shale	3471'	- 1294'
Toronto	3493'	- 1316'
Lansing	3512'	- 1335'
Base Kansas City	3756'	- 1579'
Marmaton	3800'	- 1623'
Conglomerate	3850'	- 1673'
Arbuckle	3882'	- 1705'
R.T.D.	3917'	- 1740'
L.T.D.	3918'	- 1741'

Structural Comparison

Not Available--Wildcat Situation

KENMARK CORPORATION
Dreiling #1

Zones Of Interest

<u>Formation</u>	<u>Depth</u>	<u>Description</u>
Lansing "G"	3600-3608	Limestone; white, fine crystalline, light scattered stain, no odor; calc. 12% porosity, 44% SW.
Lansing "H"	3642-3646	Limestone; buff, pinpoint to fine crystalline, few pieces scattered stain, no odor; calc. 6% porosity, 68% SW.
Lansing "K"	3710-3712	Limestone; white to tan, fine crystalline, poor scattered stain, no odor; calc. 17% porosity, 38% SW.
Lansing "L"	3734-3736	Limestone; white, very fine crystalline, trace scattered stain, slight show free oil, faint odor.
Marmaton	3800-3810	Limestone, buff with chert, orange, brown, good light even stain, show free oil, faint odor; calc. 13% porosity, 51% SW. Included in DST #1.
DST #1	Marmaton	3786-3814
Times;	45" 45" 45" 45"	
Recovery;	510' GIP, 140' Clean Oil, 245' Muddy Gassy Oil, 30' Oil & Gas Cut Muddy Water.	
Pressures;	HP 1973-1900#, ISP 1008#, FSP 914#, FP 62-104#, 135-187#	
Conglomerate	3850-3960	Chert; multi-colored, abundant brown shale, fair saturated stain, show free oil, no odor; calc. 13% porosity, 55% SW. Included in DST #2.
DST #2	Conglomerate	3850-3865
Times;	30" 30" 30" 30"	
Recovery;	1 foot mud with show of oil.	
Pressures;	HP 1991-1931#, ISP 41#, FSP 31#, FP 31-31#, 31-31#	
Arbuckle	3880-3918	Dolomite; white, fine to medium crystalline, no show.

15-051-24947-00-00

Summary and Recommendations

The Dreiling #1 was a wildcat prospect generated from seismic points shot around the show hole located in the SW/SW/SW of 13-13-20W. The Marmaton top was encountered higher than the show hole and was tested with positive results.

It was recommended 4 1/2" casing be set one (1) foot off bottom at 3917'. The Marmaton and Lansing-Kansas City zones "K" & "L" should be perforated initially followed by the Lansing "G" & "H" zones prior to lease abandonment.

Respectfully submitted,

Mark Kilian

Mark Kilian, Petroleum Geologist
7615 Shady Lane
Wichita, KS 67205