

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM 15-051-25092-00-00

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 31521  
Name: KENMARK Corporation  
Address: P.O. Box 572  
City/State/Zip: Hays, KS 67601-0572  
Purchaser: Cooperative Refining, L.L.C.  
Operator Contact Person: Kenneth A. Norton  
Phone: (720) 851-6086  
Contractor: Name: A & A Production  
License: 30076  
Wellsite Geologist: Mark Kilian  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth \_\_\_\_\_  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
06/19/01 06/27/01 06/27/01  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 051-25,092-0000  
County: Ellis  
Adi. C S/2 SE Sec. 28 Twp. 11 S. R. 18  East  West  
700' feet from (S) N (circle one) Line of Section  
1420' feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Fisher Well #: 5  
Field Name: River View East  
Producing Formation: Arbuckle  
Elevation: Ground: 2114' Kelly Bushing: 2119'  
Total Depth: 3720' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 213 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1413 Feet  
If Alternate II completion, cement circulated from 1413  
feet depth to Surface w/ 140 sx cmt.  
Drilling Fluid Management Plan As 11/11/01  
(Data must be collected from the Reserve Pit)  
Chloride content 9,500 ppm Fluid volume 350 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

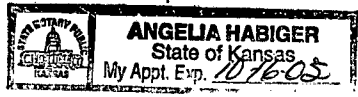
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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: Kenneth A. Norton  
Title: Vice-President Date: August 27, 2001  
Subscribed and sworn to before me this 27<sup>th</sup> day of August, 2001.  
Notary Public: Angelia Habiger  
Date Commission Expires: 10-16-03

**KCC Office Use ONLY**

Letter of Confidentiality Attached \_\_\_\_\_  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
KCC Distribution

RECEIVED  
AUG 29 2001  
8-29-2001  
KCC WICHITA



X

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Operator Name: **KENMARK Corporation**

Lease Name: **Fisher**

Well #: **5**

Sec. **28** Twp. **11** S. R. **18**

East  West  Other County: **Ellis**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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: \_\_\_\_\_

Neutron Density, Dual Induction, Cement Bond Log \_\_\_\_\_

Log Formation (Top), Depth and Datum	Sample Datum
Anhydrite 1406.00	713
Topeka 3092	-973
Heebner 3321	-1202
Toronto 3341	-1222
LKC 3365	-1246
Arbuckle 3646	-1527

CASING RECORD <input checked="" type="checkbox"/> New <input 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	20	213	60/40 Poz.	140	2% Gel, 3% CC
Production	7 7/8	5 1/2	14	3716	SMD	135	.5% CFR-2
							.125#/sk Floccn.

ADDITIONAL CEMENTING / SQUEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used
Perforate			
Protect Casing			
Plug Back TD			
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	3,651 to 3,653 ft.	150 gal. 15% Acid	

TUBING RECORD		Size Set At	Packer At	Liner Run
		2 7/8	3,711	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
July 18, 2001	<input 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	Water Bbls.	Gas-Oil Ratio	Gravity
	60	0	0		23.5

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

(If vented, Sumit ACO-18.)  Other (Specify) \_\_\_\_\_

15-051-25092-00-00

ORIGINAL

Mark Kilian, PETROLEUM GEOLOGIST  
11038 Independence Circle East  
Parker, co 80134  
Phone (720) 851-6086  
Fax: (720) 851-6427

GEOLOGIST'S REPORT

KENMARK CORPORATION

FISHER # 5  
API # 15-051-25,092-0000

700' FSL 1,420' FEL  
SECTION 28 TWSP 11 RGE 18  
ELLIS COUNTY, KANSAS

July 18, 2001

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8-29-2001  
AUG 29 2001

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15-051-25092-00-00

KENMARK CORPORATION  
P.O. BOX 572  
HAYS, KANSAS 67601

ORIGINAL

RE: FISHER # 5  
700' FSL 1,420' FEL  
28-11-18  
ELLIS COUNTY, KS

Dear Mr., Norton

The Fisher # 5 well was drilled with rotary tools commencing June 18, 2001 to rotary depth of 3,720' (-1601), drilling was completed June 26, 2001. Two (2) drill stem tests were taken, one with positive results, 5 1/2 casing was set one (1) foot off bottom at @ 3,716'

OPERATOR:	KENMARK CORPORATION
CONTRACTOR:	A & A PRODUCTION
ELEVATION:	GL 2114 KB 2119
GEO SUPERVISION	3,000' TO RTD
DRILLING TIME:	2,800' TO RTD
SAMPLES:	2,800' TO RTD
DRILL STEM TESTS:	Two (2) TRILOBITE TESTING
ELECTRIC LOGS:	ELI, NEUTRON DENSITY, SONIC
PIPE RECORD:	8 5/8 @ 287' w/165 sks 5 1/2 @ 3,716'

• FORMATION	DEPTH	DATUM
• ANHYDRITE	1406'	+ 713
• TOPEKA	3092'	- 973
• HEEBNER	3321'	- 1202
• TORONTO	3341'	-1222
• LKC	3365'	- 1246
• BASE LKC	3600'	- 1481
• ARBUCKLE	3646'	- 1527
• RTD	3720'	- 1601

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KENMARK CORPORATION  
P.O. BOX 572  
HAYS KANSAS 67601

<i>FISHER # 5 OIL SHOWS</i>	<i>DEPTH</i>	<i>SAMPLE DESCRIPTION</i>
TOPEKA 30'	3124-08	Limestone; lt gry fn crystalline, pr lt stain with trace saturated stain and vuggy porosity, slight show free oil gd odor 12% porosity 64% SW
TORONTO	3313-15	Limestone; wh vfn crystalline chky in pt pr sct stain vslt show fr oil fnt odor 13% porosity 28% SW
LKC 'C'	3400-02	Limestone; white med xlyn gd vuggy por few pcs fr sct stn tr free oil fr odor 12% porosity 35% SW
LKC 'J'	3538-40	Limestone; white tan fn crystalline, p.p. tr sat stn SFO fr odor 4% porosity 56% SW

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KENMARK CORPORATION  
P.O. BOX 572  
HAYS, KANSAS 67601

FISHER # 5  
OIL SHOWS

DEPTH

SAMPLE DESCRIPTION

ARBUCKLE

3646-58

Dolomite; gry/tan med- crs xyln- romb  
well devl, fr vuggy porosity gd sat drk  
brn stn gd SFO strong odor  
19% porosity 24% SW (covered DST # 1

DST # 1  
INTERVAL  
TIMES  
RECOVERY  
PRESSURES  
CHLORIDES  
TEMP  
GRAVITY

ARBUCKLE

3636-58

45-60-45-60

496' CLEAN GASSY OIL 62' mud cut gassy oil

ISIP 422# FSIP 420# FP 24-150 156-228 HP 1805# 1766#

5000 ppm

113 F

21 DEGREES

ARBUCKLE

3658-68

Dolomite; tan med-crs xyln fr vuggy por  
fr sat stn SFO fr odor  
12% porosity 35%SW(covered DST # 2

DST # 2  
INTERVAL  
TIMES  
RECOVERY  
PRESSURES  
CHLORIDES  
TEMP  
GRAVITY

ARBUCKLE

3648-68

45-60-45-60

424' CLEAN GASSY OIL 186' muddy water 62' sltly oil cut mud

ISIP 448# FSIP 443# FP 40-170 176-264 HP 1836# 1744#

25,000 ppm

80 F

21 DEGREES

ARBUCKLE

3668-3700

Dolomite; tan med xyln tr vugs tr sct stn  
SFO fnt odor

ARBUCKLE

3700-20

Dolomite; tan med xyln tr sct stn  
pr SFO fnt odor

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AUG 29 2001

KCC WICHITA

15-051-25092-00-00

KENMARK CORPORATION

P.O. BOX 572

HAYS, KANSAS 67601

*SUMMARY AND RECOMMENDATIONS*

I recommend that 5 1/2 " casing be set one (1) foot off bottom @ 3,716' and the Arbuckle be perforated at 3651-53.

The bottom hole pressure compared to the # 4 is considerably lower. I feel depletion is from the Bemis Shutts production 3/4 mile north. This would indicate the reservoir itself to be very large in size. Because of the size of the reservoir and flow pressures I have recommended pipe be set and the Arbuckle be tested through perforations. In addition to the break @ 3651-53 there are two other breaks that should be tested later. 3656-60 12% por 35% SW and 3662-66 16% por 23 % SW. These zones do not calculate wet however water was recovered in DST # 2

After the Arbuckle has been produced to it's economical limits the following zones should be perforated and tested before abandonment of this well.

TORONTO 3343-45

LKC 3400-02

RESPECTFULLY SUBMITTED



MARK KILIAN, PETROLEUM GEOLOGIST

11038 Independence Circle East

Parker, co 80134



CHARGE TO: KenMark Corp  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

15-051-25092-0000 TICKET  
 N2 3504  
 PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City WELL/PROJECT NO. 5 LEASE Fisher COUNTY/PARISH Ellis STATE KS CITY DATE 6-19-01 OWNER Same  
 2. TICKET TYPE  SERVICE CONTRACTOR RIG NAME/NO. Anderson Dr 15 SHIPPED VIA 105 DELIVERED TO N. Hays ORDER NO.  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Surface WELL PERMIT NO. WELL LOCATION  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	40	mi			2.50	100.00
576					Pump Charge	1	EA	220	FT		500.00
410					8 5/8 Top Plug	1	EA	8 5/8	IN		56.00
326					60/40 P02 2% Sol	140	SKS			5.20	728.00
278					Calcium Chloride	3	SKS			25.00	75.00
581					Bulk service charge	140					140.00
583					Drayage	234	76	T.M.		75	176.07

**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 6-19-01 TIME SIGNED 8:30  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
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			

PAGE TOTAL 1775.07  
 TAX 42.09  
 TOTAL 1817.16

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

Thank You!



15-051-25092-00-00

# SWIFT Services, Inc. ORIGINAL

DATE 6-19-01 PAGE NO.

## JOB LOG

CUSTOMER <i>Ken Mark</i>	WELL NO. <i>5</i>	LEASE <i>Fisher</i>	JOB TYPE <i>Surface</i>	TICKET NO. <i>3504</i>
-----------------------------	----------------------	------------------------	----------------------------	---------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
<i>1</i>	<i>1930</i>							<i>Called out</i>
	<i>2015</i>							<i>on Location Rig Pulling O.P.</i>
	<i>2045</i>							<i>Start 85% would not go Re-run Bit To Bottom</i>
	<i>2255</i>							<i>CSG on bottom hook up to circ</i>
	<i>2300</i>							<i>Hook up to Cement w/ 140 SKS 60/40</i>
			<i>32.6</i>					<i>2% Del, 3% CC</i>
								<i>finish mixing Cement</i>
			<i>13.4</i>					<i>Release Plug &amp; ST O.P.</i>
	<i>2330</i>							<i>Plug Down, CMT DID Circ.</i>
								<i>Job Complete</i>

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 KCC WICHITA



CHARGE TO: KemMark Corp  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
 15-051-25892-0000

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>1000 City</u>	WELL/PROJECT NO. <u>5</u>	LEASE <u>Fisher</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>KS</u>	CITY	DATE <u>6-27-01</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>A+A Drlg</u>	SHIPPED VIA <u>105</u>	DELIVERED TO <u>N. Hays</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>L/S</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	30	mi			250	75.00
578					Pump charge	1	EA				1200.00
400					Guide shoe	1	EA	5 1/2	IN		80.00
402					Centralizer	8	EA			40.00	320.00
403					Cement Basket	1	EA				110.00
404	RECEIVED				Port Collar	1	EA				1500.00
410	AUG 29 2001				Top Plug	1	EA				50.00
281	8-29-2001				Mud Flush	500	gal			50	250.00
221	KCC WICHITA				Liquid KCL	2	gal			19.00	38.00
401					insert float w/auto fill	1	EA				110.00
					From Continuation						2056.75

**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 Rickey Papp  
 DATE SIGNED 6-27-01 TIME SIGNED 1200  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
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			

PAGE TOTAL	5789.75
TAX	205.57
TOTAL	5995.32

ORIGINAL

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

SWIFT OPERATOR Lenny APPROVAL

Thank You!



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

TICKET CONTINUATION

15-051-25092-00-00

TICKET No. 3510

CUSTOMER **Kon Mark** WELL **Fisher 5** DATE **6-27-01** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF				U/M			
330						SMD Cement	150	SKS	9.50		1425.00
285						CFR-2	71	lbs	2.75		195.25
290						D-AIR	36	lbs	2.75		99.00
276						Flocco	20	lbs	.90		18.00
						<del>20 lbs</del>			<del>.90</del>		<del>18.00</del>
581						SERVICE CHARGE					
583						MILEAGE CHARGE					
						TOTAL WEIGHT					
						LOADED MILES					
						CUBIC FEET					
						TON MILES					

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AUG 29 2001  
KCC WICHITA

MILEAGE CHARGE

TOTAL WEIGHT 15067

LOADED MILES 30

CUBIC FEET 150

TON MILES 226

1.00 150.00

.75 169.50

CONTINUATION TOTAL 2056.75

ORIGINAL

CUSTOMER KenMark WELL NO. 5 LEASE Fisher JOB TYPE L/S TICKET NO. 3510

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11 30							on loc Rig Laying Down D.P.
	14 00							ST 5 1/2 C56
								Run Guide shoe inst w/ auto fill
								Centralize on top of shoe JT + collar
								of JT 1, 4, 6, 10, 12, 14, 53
								Cement Basket on Lin of JT 54
*								Port Collar on top of JT 54 1415'
	15 50							Log on bottom
	16 00							ST circ
	16 30							finish circ Plug Rathole w/ 15 SK 5 cm
			12 BBL					ST 500 gal Mud flush
			20 BBL					20 BBL Clarify water
								135 SKS smd cmt w/ .5% CFR-2,
								.25% D-AIR, .125 #/SK floccle
	16 50		38 BBL					finish mixing Cement wash out P+L
	16 53							Release Plug + ST Disp
	17 10		90 BBL			1	1200	Plug Down
	17 18							Release float held
	17 30							Job Complete

RECEIVED

AUG 29 2001  
8-29-2001  
KCC WICHITA



CHARGE TO: **KEDMARK OIL**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
**15-051-25092-00-00**  
 PAGE 1 OF 1

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>5</b>	LEASE <b>FESCHER</b>	COUNTY/PARISH <b>ELLIS</b>	STATE <b>KS</b>	CITY	DATE <b>7-16-01</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>WESTER WELL SERVICE</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>LOGAN, W</b>	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>CEMENT FOOT COUR</b>	WELL PERMIT NO.	WELL LOCATION <b>HAYS, KS - 120, WNW DITO</b>		
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	40		ME		2.50	100.00
577		1			PUMP SERVICE	1		JOB	1410	700.00	700.00
288		1			20/40 SAND	2		SD		10.00	20.00
330		1			SWIFT MULTI-BUSBY STANDARD	140		SG		9.50	1330.00
276	RECEIVED 8-29-2001 AUG 29 2001 KCC, WICHITA	1			FLOCELE	41		LBS		.90	36.90
581		1			SERVICE CHARGE CEMENT	165		SGS		1.00	165.00
583		1			DRAYAGE	327.82		TM	16391	.75	245.87

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

X *James Hersh*  
 DATE SIGNED: **7-16-01** TIME SIGNED: **1000**  A.M.  P.M.

**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	<b>PAGE TOTAL</b>	<b>2597.77</b>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?				<b>TAX</b>	<b>67.96</b>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<b>TOTAL</b>	<b>2665.73</b>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

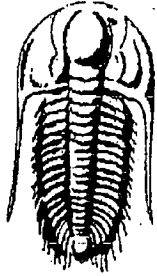
**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: **WANE WASEL** APPROVAL:

Thank You!



15-051-25092-00-00



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **KenMark Corporation**

P.O. Box 572  
Hays, KS 67601

ATTN: Mark Kilian

**28-11-18 Ellis KS**

**Fisher #5**

Start Date: 2001.06.25 @ 09:06:32

End Date: 2001.06.25 @ 17:57:31

Job Ticket #: 15457                      DST #: 1

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

KenMark Corporation

Fisher #5

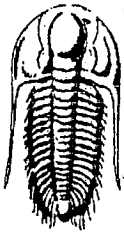
28-11-18 Ellis KS

DST # 1

Arbuckle

2001.06.25

10-03-2005 10:21



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

ATTN: Mark Kilian

Job Ticket: 15457

DST#: 1

Test Start: 2001.06.25 @ 09:06:32

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:15:31  
Time Test Ended: 17:57:31

Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 21

Interval: 3636.00 ft (KB) To 3658.00 ft (KB) (TVD)  
Total Depth: 3658.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2119.00 ft (KB)  
2114.00 ft (CF)  
KB to GR/CF: 5.00 ft

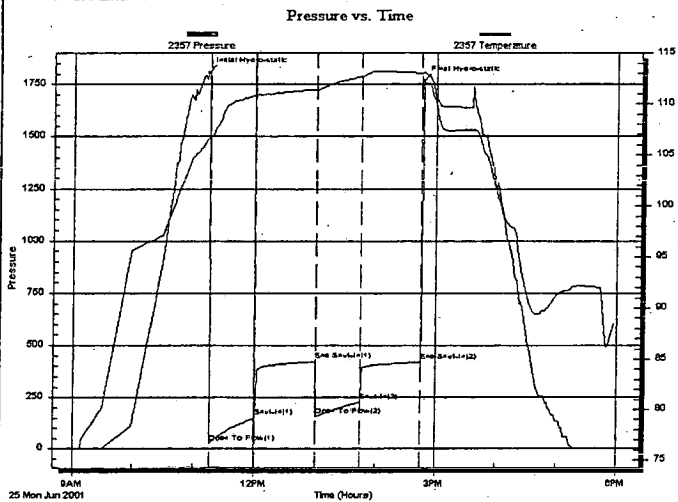
Serial #: 2357

Inside

Press@RunDepth: 228.27 psig @ 3637.01 ft (KB)  
Start Date: 2001.06.25 End Date: 2001.06.25  
Start Time: 09:06:32 End Time: 17:57:31

Capacity: 7000.00 psig  
Last Calib.: 2001.01.27  
Time On Btm: 2001.06.25 @ 11:13:01  
Time Off Btm: 2001.06.25 @ 14:47:31

TEST COMMENT: IF-Strong BOB in 18 min  
FF-Strong BOB in 40 min



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.16	106.58	Initial Hydro-static
3	24.88	106.71	Open To Flow (1)
48	150.63	110.95	Shut-In(1)
108	422.78	111.41	End Shut-In(1)
108	156.20	111.40	Open To Flow (2)
153	228.27	112.69	Shut-In(2)
213	420.14	113.03	End Shut-In(2)
215	1766.85	113.08	Final Hydro-static

**Recovery**

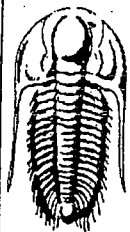
Length (ft)	Description	Volume (bbl)
62.00	Mud cut gassy oil 10%g 70%o 20%m	0.87
496.00	Clean gassy oil 10% g 90% o	6.96

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



15-051-25092-00-00



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

Job Ticket: 15457

DST#: 1

ATTN: Mark Kilian

Test Start: 2001.06.25 @ 09:06:32

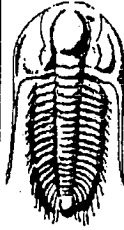
**Tool Information**

Drill Pipe:	Length: 2891.00 ft	Diameter: 3.80 inches	Volume: 40.55 bbl	Tool Weight: 800.00 lb
Heavy Wt. Pipe:	Length: 744.00 ft	Diameter: 3.80 inches	Volume: 10.44 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<b>Total Volume: 50.99 bbl</b>	Tool Chased 0.01 ft
Drill Pipe Above KB:	19.01 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3636.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.02 ft			
Tool Length:	42.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3621.00	
HMV	5.00			3626.00	
Packer	5.00			3631.00	20.00 Bottom Of Top Packer
Packer	5.00			3636.00	
Stubb	1.00			3637.00	
Recorder	0.01	2357	Inside	3637.01	
Perforations	18.00			3655.01	
Recorder	0.01	13254	Outside	3655.02	
Bullnose	3.00			3658.02	22.02 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>42.02</b>				

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**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

Job Ticket: 15457

DST#: 1

ATTN: Mark Kilian

Test Start: 2001.06.25 @ 09:06:32

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 21 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.74 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

**Recovery Information**

Recovery Table

Length ft.	Description	Volume bbl
62.00	Mud cut gassy oil 10%g 70%o 20%m	0.870
496.00	Clean gassy oil 10% g 90% o	6.958

Total Length: 558.00 ft      Total Volume: 7.828 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

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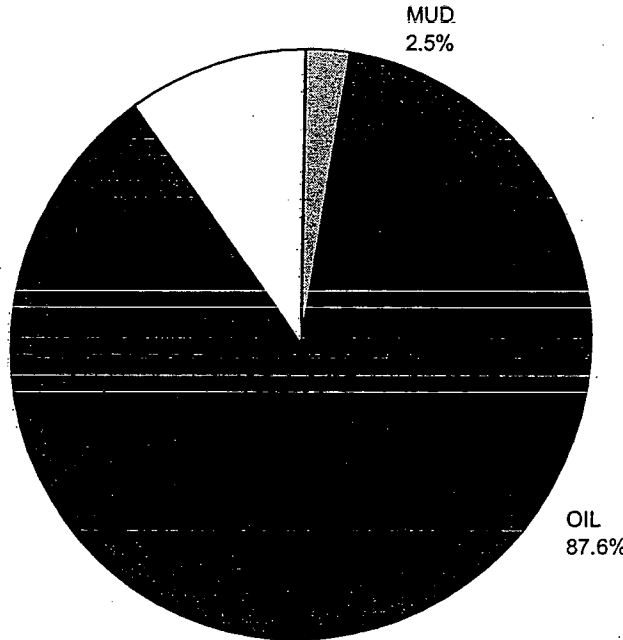
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 15457

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL	1	0	0	0	0	0	0	0	0	
PIPE	2	0	0	0	0	0	0	0	0	
	3	0	0	0	0	0	0	0	0	
	4	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	
	6	0	0	0	0	0	0	0	0	
WEIGHT	1	496	10	49.6	90	446.4	0	0	0	0
PIPE	2	62	10	6.2	70	43.4	0	0	20	12.4
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	0	0	0	0	0	0	0	0	0
COLLARS	2	0	0	0	0	0	0	30	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		558	0	55.8	0	489.8	0	0	0	12.4

BBL OIL= 3.4286 \* HRS OPEN 1.5 = BBL/DAY 54.8576  
 BBL WATER= 0 \* = 0  
 BBL MUD= 0.09672  
 BBL GAS = 0.3906



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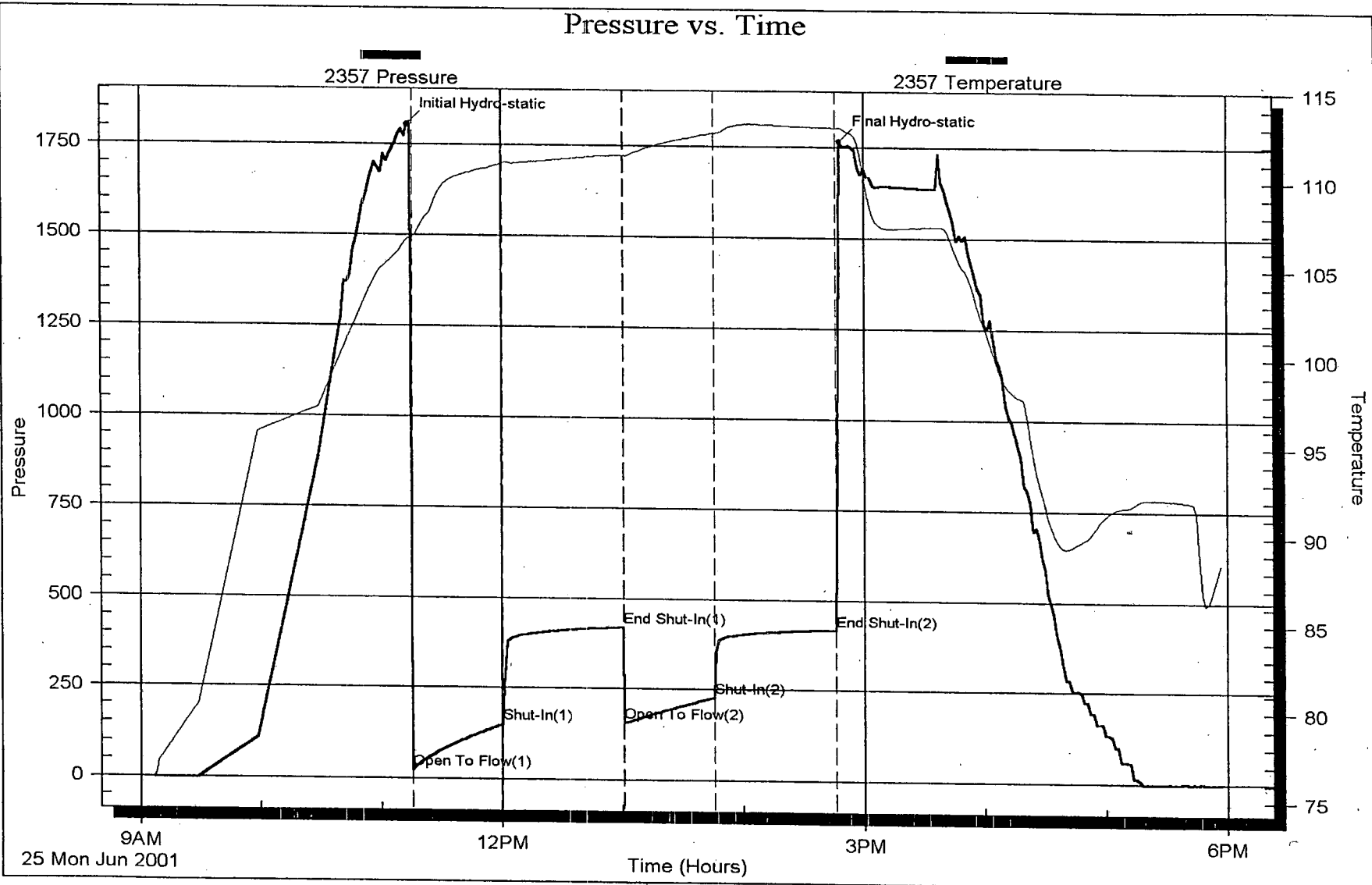
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Serial #: 2357

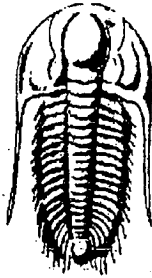
Inside KenMark Corporation

28-11-18 Ellis KS

DST Test Number: 1



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**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **KenMark Corporation**

P.O. Box 572  
Hays, KS 67601

ATTN: Mark Kilian

**28-11-18 Ellis KS**

**Fisher #5**

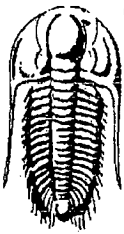
Start Date: 2001.06.26 @ 04:04:50

End Date: 2001.06.26 @ 13:48:20

Job Ticket #: 15458                      DST #: 2

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Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

Job Ticket: 15458

DST#: 2

ATTN: Mark Kilian

Test Start: 2001.06.26 @ 04:04:50

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:40:20

Time Test Ended: 13:48:20

Interval: **3648.00 ft (KB) To 3668.00 ft (KB) (TVD)**

Total Depth: **3668.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 2119.00 ft (KB)

2114.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **2357**

Inside

Press@RunDepth: 264.88 psig @ 3649.01 ft (KB)

Start Date: 2001.06.26

End Date:

2001.06.26

Start Time: 04:04:51

End Time:

13:48:20

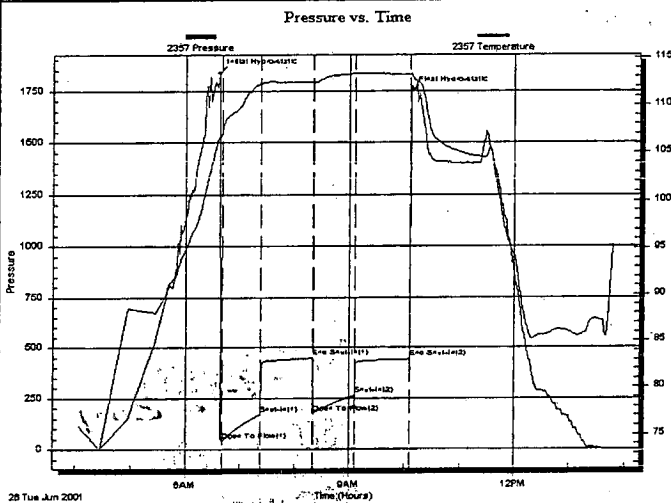
Capacity: 7000.00 psig

Last Calib.: 2001.01.27

Time On Btm: 2001.06.26 @ 06:36:50

Time Off Btm: 2001.06.26 @ 10:06:50

TEST COMMENT: IF-Strong BOB in 12 min  
FF-Strong BOB in 30 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.00	106.67	Initial Hydro-static
4	40.38	107.34	Open To Flow (1)
45	170.74	112.26	Shut-In(1)
104	448.03	112.39	End Shut-In(1)
105	176.06	112.38	Open To Flow (2)
150	264.88	113.30	Shut-In(2)
209	443.33	113.26	End Shut-In(2)
210	1744.00	113.31	Final Hydro-static

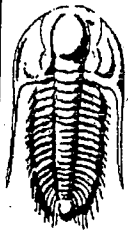
## Recovery

Length (ft)	Description	Volume (bbl)
186.00	Muddy water 70%w 30%m	2.61
62.00	Slightly oil cut mud 5%o 95%m	0.87
434.00	CGsyOil 10% g 90%m	6.09

## Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)

15-051-25092-00-00



**TRILOBITE**  
TESTING, INC.

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

Job Ticket: 15458

DST#: 2

ATTN: Mark Kilian

Test Start: 2001.06.26 @ 04:04:50

**Tool Information**

Drill Pipe:	Length: 2891.00 ft	Diameter: 3.80 inches	Volume: 40.55 bbl	Tool Weight: 800.00 lb
Heavy Wt. Pipe:	Length: 744.00 ft	Diameter: 3.80 inches	Volume: 10.44 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.99 bbl</u>	Tool Chased: 0.01 ft
Drill Pipe Above KB:	7.01 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3648.00 ft			Final: 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.02 ft			
Tool Length:	40.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

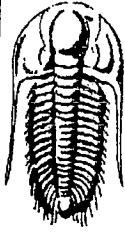
Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3633.00	
HMV	5.00			3638.00	
Packer	5.00			3643.00	20.00 Bottom Of Top Packer
Packer	5.00			3648.00	
Stubb	1.00			3649.00	
Recorder	0.01	2357	Inside	3649.01	
Perforations	16.00			3665.01	
Recorder	0.01	13254	Outside	3665.02	
Bullnose	3.00			3668.02	20.02 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>40.02</b>				

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

KenMark Corporation

Fisher #5

P.O. Box 572  
Hays, KS 67601

28-11-18 Ellis KS

Job Ticket: 15458

DST#: 2

ATTN: Mark Kilian

Test Start: 2001.06.26 @ 04:04:50

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Muddy water 70%w 30%m	2.609
62.00	Slightly oil cut mud 5%o 95%m	0.870
434.00	CGsyOil 10% g 90%m	6.088

Total Length: 682.00 ft

Total Volume: 9.567 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

06/27/01  
15458  
06/27/01  
ATTN: MARK KILIAN



15-051-25092-00-00

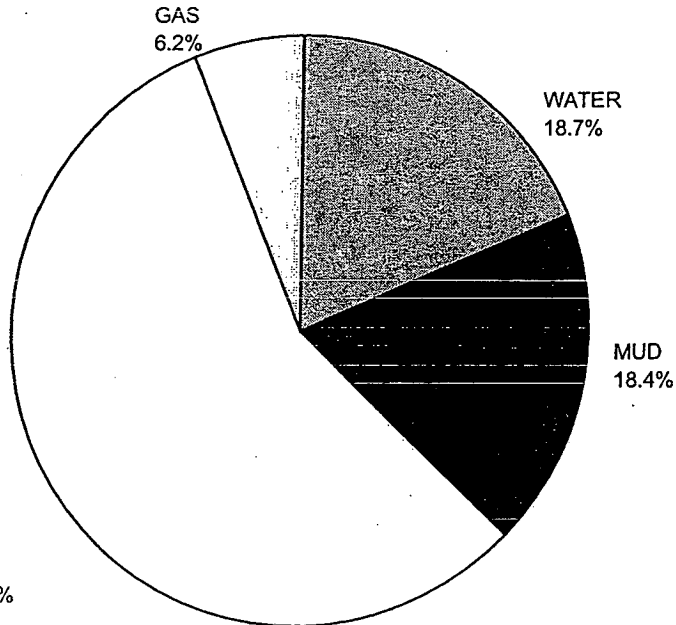
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 15458

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL	1	0	0	0	0	0	0	0	0	
PIPE	2	0	0	0	0	0	0	0	0	
	3	0	0	0	0	0	0	0	0	
	4	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	
	6	0	0	0	0	0	0	0	0	
WEIGHT	1	434	10	43.4	90	390.6	0	0	0	0
PIPE	2	186	0	0	0	0	70	130.2	30	55.8
	3	62	0	0	5	3.1	0	0	95	58.9
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	0	0	0	0	0	0	0	0	0
COLLARS	2	0	0	0	0	0	0	0	30	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		682	0	43.4	0	393.7	0	130.2	0	114.7

BBL OIL= 2.7559 \* HRS OPEN 1.5 = BBL/DAY 44.0944  
 BBL WATER= 0.9114 \* = 14.5824  
 BBL MUD= 0.89466  
 BBL GAS = 0.3038



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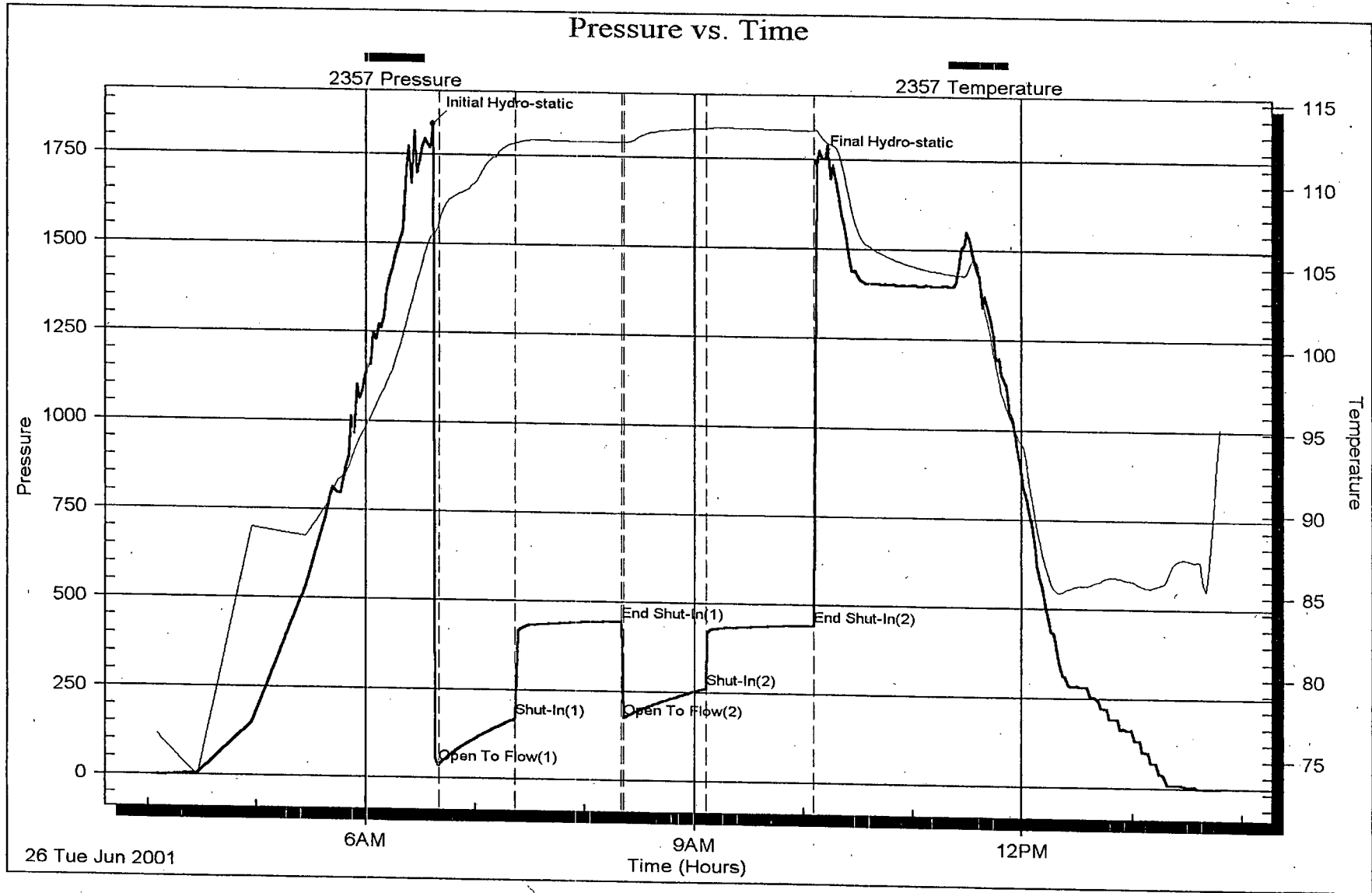
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Serial #: 2357

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28-11-18 Ellis KS

DST Test Number: 2



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Printed: 2001.06.27 @ 11:06:28 Page 5