

Plugged 10/2/99

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

ORIGINAL

API NO. 15- 051-25,010-0000

County Ellis

NW - SE - SW Sec. 28 Twp. 11S Rge. 18W X

Operator: License # 31521

Name: KENMARK CORPORATION

Address P.O. Box 572

City/State/Zip Hays, Kansas 67601

Purchaser: None

Operator Contact Person: Kenneth A. Norton

Phone (785) 628-3422

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

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)

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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10/5/99 10/11/99 10/12/99
Spud Date Date Reached TD Completion Date

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

1650 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 Fisher Well # 3

Field Name _____

Producing Formation None

Elevation: Ground 2020 KB 2028

Total Depth 3595 PBDT _____

Amount of Surface Pipe Set and Cemented at 220.93 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Part 2-2-00 UC
(Data must be collected from the Reserve Pit)

Chloride content 22,000 ppm Fluid volume 480 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

KANSAS CORPORATION COMMISSION
RECEIVED
NOV 12 1999
11-12-1999

CONSERVATION DIVISION
WICHITA, KS

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 Kenneth A. Norton

Title VICE-PRESIDENT, KENMARK CORP. Date 11/9/99

Subscribed and sworn to before me this 9th day of November, 1999.

Notary Public Lisa Unrein

Date Commission Expires: 2-22-2003

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

LISA UNREIN
Notary Public • State of Kansas
My Appt. Expires 2-22-2003

Operator Name KENMARK CORPORATION

Lease Name Fisher

Well # 3

Sec. 28 Twp. 11S Rge. 18W

East

County Ellis

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 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:
None

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	-1326'	+ 702'
Topeka	-3014'	- 986'
Heebner Shale	-3233'	-1205'
Toronto	-3256'	-1228'
Lansing	-3276'	-1248'
Base Kansas City	-3512'	-1484'
Arbuckle	-3558'	-1530'
R.T.D.	-3595'	-1567'

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	20 :	220.93	60/40Poz	150	2%Gel&3%CC

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
None	None	None

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. None	Gas Mcf None	Water Bbls. None	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 _____

ALLIED CEMENTING CO., INC

2276

ORIGINAL

REMIT TO P.O. BOX 31
 RUSSELL, KANSAS 67665 15-051-25010-00-00

SERVICE POINT:
Russell

DATE <u>10-5-99</u>	SEC. <u>28</u>	TWP. <u>11</u>	RANGE <u>18</u>	CALLED OUT <u>8:00 PM</u>	ON LOCATION <u>10:00 PM</u>	JOB START <u>11:15</u>	JOB FINISH <u>11:45</u>
LEASE <u>Fisher</u>		WELL # <u>3</u>	LOCATION <u>HAYS 11 S 1 W</u>			COUNTY <u>Ellis</u>	STATE <u>Ka</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Discovery Rig #1
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 8 1/2 20' DEPTH 220
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 13 bbls
 EQUIPMENT _____
 PUMP TRUCK CEMENTER Bill
 # 153 HELPER Paul
 BULK TRUCK _____
 # 218 DRIVER Jason
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER Same
 CEMENT AMOUNT ORDERED
150 sk 60/40 3% CC 2% Gel

COMMON	90	@	6.35	571.50
POZMIX	60	@	3.25	195.00
GEL	3	@	9.50	28.50
CHLORIDE	5	@	28.00	140.00
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING		@	1.05	157.50
MILEAGE	44 / sk / mile			100.00
TOTAL				1192.50

REMARKS:

Ran 5 1/2 8 1/2 set @ 220
Cem w/ 150 sk 60/40 3-2
Pump plug w/ 13 bbls water
Cement did cur. ✓

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 470.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG 1-8 1/2 wood @ _____ 45.00
 _____ @ _____
 _____ @ _____
 TOTAL 515.00

CHARGE TO: Kenmark Corp.
 STREET _____
 CITY _____ STATE _____ ZIP _____

RECEIVED
 FLOAT EQUIPMENT CORPORATION COMMISSION
2-2-2000
 FEB - 2 2000
 @ _____
 @ _____
 @ CONSERVATION DIVISION
 @ Wichita, Kansas
 @ _____
 @ _____

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 Thomas Am

Thomas Am
 PRINTED NAME

ALLIED CEMENTING CO., INC.

ORIGINAL

2279

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

SERVICE POINT:

Russell

15-051-25010-00-00

DATE <i>10-12-99</i>	SEC. <i>28</i>	TWP. <i>11</i>	RANGE <i>18</i>	CALLED OUT <i>4:30 AM</i>	ON LOCATION <i>7:15 AM</i>	JOB START <i>8:15 AM</i>	JOB FINISH <i>12:00 PM</i>
LEASE <i>Fisher</i>			WELL# <i>3</i>	LOCATION <i>HAYS 11N 1W</i>		COUNTY <i>Ellis</i>	STATE <i>KAN</i>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <i>Discovery Delg #1</i>	OWNER <i>Same</i>
TYPE OF JOB <i>Plug</i>	
HOLE SIZE <i>7 7/8</i>	T.D.
CASING SIZE	DEPTH
TUBING SIZE <i>4 1/2</i>	DEPTH
DRILL PIPE <i>4 1/2</i>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT	
AMOUNT ORDERED	<i>225 lbs 60/40 6% Gel + #70 Seal</i>

COMMON	<i>135</i>	@	<i>6.35</i>	<i>857.25</i>
POZMIX	<i>90</i>	@	<i>3.25</i>	<i>292.50</i>
GEL	<i>11</i>	@	<i>9.50</i>	<i>104.50</i>
CHLORIDE		@		
<i>Flo Seal</i>	<i>56 #</i>	@	<i>1.15</i>	<i>64.40</i>
		@		
		@		
		@		
		@		
HANDLING		@	<i>1.05</i>	<i>236.25</i>
MILEAGE	<i>44 / SK / mile</i>			<i>135.00</i>

TOTAL *1689.90*

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Bill L</i>
<i># 153</i>	HELPER <i>Paul</i>
BULK TRUCK	
<i># 213</i>	DRIVER <i>Jason</i>
BULK TRUCK	
<i>#</i>	DRIVER

REMARKS:

1st plug @ 3550' w/ 25 lbs
2nd plug @ 1340' w/ 25 lbs
3rd plug @ 730' w/ 100 lbs
4th plug @ 270' w/ 40 lbs
5th plug @ 40' w/ 10 lbs
10 lbs in mouse hole
15 lbs in Rat hole

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<i>470.00</i>
EXTRA FOOTAGE	@
MILEAGE	@
PLUG <i>1-8 1/2 wood</i>	@ <i>23.00</i>
	@
	@

TOTAL *493.00*

CHARGE TO: *Kenmark Corp.*
 STREET *P.O. Box 572*
 CITY *HAYS* STATE *Ks* ZIP *67601-0572*

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.

TAX	
TOTAL CHARGE	
DISCOUNT	IF PAID IN 30 DAYS

SIGNATURE *Thomas Alm*

Thomas Alm
 PRINTED NAME

15-051-25010-00-00

ORIGINAL

KENMARK CORPORATION

FISHER #3

NW-SE-SW
Section 28-11-18
Ellis County, Kansas

Geological Report

By:

Mark Kilian
14910 S. Gallery St.
Olathe, KS 66062

November 8, 1999

RECEIVED
KANSAS CORPORATION COMMISSION

11-12-1999
NOV 12 1999

CONSERVATION DIVISION
WICHITA, KS

15-051-25010-00-00

ORIGINAL

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

RE: Fisher #3
NW-SE-SW 28-11-18
Ellis County, Kansas

Dear Mr. Norton:

The Fisher #3 well was drilled with rotary tools commencing October 5, 1999 to a rotary depth of 3595' (-1567 Datum), drilling was completed October 11, 1999. Five DST's were taken all had negative recovery and poor pressures. It was recommended this hole be plugged at this time. However significant shows of oil were encountered in the Arbuckle formation throughout the drilling depth. If later development on this lease should prove that the oil-water contact line is below wells in the area, then this well should be considered for a wash down.

Operator:	KENMARK Corporation
Contractor:	Discovery Drilling
Elevation:	2028 K.B. 2020 G.L. 8' K.B.
Geological Supervision:	3000' to R.T.D
Drilling Time:	2800' to R.T.D.
Samples:	2900' to R.T.D.
Drill Stem Tests:	Five (5) Trilobite Testers
Electric Log:	None
Pipe Record:	8 5/8" @ 211'

<u>Formation</u>	<u>Depth</u>	<u>Subsea Datum</u>
Anhydrite	1326'	+ 702'
Topeka	3014'	- 986'
Heebner Shale	3233'	- 1205'
Toronto	3256'	- 1228'
Lansing	3276'	- 1248'
Base Kansas City	3512'	- 1484'
Arbuckle	3558'	- 1530'
R.T.D.	3595'	- 1567'

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WICHITA, KS

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ORIGINAL

KENMARK CORPORATION

Fisher #3

Zones Of Interest

<u>Formation</u>	<u>Depth</u>	<u>Description</u>
Lansing "C" Zone	3316-3320	Limestone; white, fine crystalline porosity, poor scattered stain, few pieces saturated stain, very faint odor.
Lansing "D" Zone	3336-3340	Limestone; white-tan, fine crystalline, trace of vuggy porosity, poor scattered stain, slight show of free oil, good odor.
DST #1	L-KC "C" & "D"	3309-3350
Times;	30" 30" 15" 30"	
Recovery;	35' Mud	
Pressures;	HP 1611-1592#, ISP 108#, FSP 95#, FP 17-88#, 107-110#	
Lansing "F" Zone	3358-3360	Limestone; tan, fine crystalline porosity, trace light stain, very poor saturated stain, good show of free oil, good odor.
Lansing "G" Zone	3366-3370	Limestone; white, cherty, trace of light stain, good show free oil, fair odor.
DST #2	L-KC "F" & "G"	3352-3420
Times;	30" 30" 15" 30"	
Recovery;	5' Mud	
Pressures;	HP 1616-1606#, ISP 147#, FSP 96#, FP 14-18#, 18-18#	
Arbuckle	3558-3564	Dolomite; tan, cherty, tight abundant shale, trace free oil, fair odor.
DST #3	Arbuckle	3531-3568
Times;	30" 30" 30" 30"	
Recovery;	5' Mud	
Pressures;	HP 1729-1728#, ISP 28#, FSP 24#, FP 15-17#, 18-24#	
Arbuckle	3564-3580	Dolomite; tan, fine to medium crystalline, good saturated stain, good show of free oil, strong odor.

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CONSERVATION DIVISION
WICHITA, KS

15-051-25010-00-00

ORIGINAL

DST #4 Arbuckle 3564-3581
Times; 30" 15" 15" 15"
Recovery; 15' Mud
Pressures; HP 1769-1749#, ISP 55#, FSP 46#, FP 16-17#, 18-18#

Arbuckle 3581-3595 Dolomite; brown, medium crystalline,
good golden brown saturated stain,
good show free oil, strong odor.
Dolomite; brown-pink, medium
crystalline, good saturated stain,
bleeding oil, strong oil.

DST #5 Arbuckle 3568-3595
Times; 45" 30" 45" 30"
Recovery; 10' Slightly Oil Cut Mud, 60' Slightly Oil Cut Mud
Pressures; HP 1744-1722#, ISP 908#, FSP 821#, FP 88-77#, 99-88#

Summary and Recommendations

Three locations South, Crescent Oil & Gas, drilled the Johnson #1 in Section 33-11-18 North Half-Northeast--Northwest (N/2-NE-NW) recovered 170' socmw in DST #5, the test interval was Datum -1543 to -1571. It appears the oil-water contact line is between -1567 (the bottom interval tested in the Fisher #3) and -1571. It is recommended the Fisher well #2 be drilled deeper by cable tool until increased fluid can be encountered. The Fisher #2 well is at it's economical limit and was only drilled approximately 8' to 10' into the Arbuckle formation. It is presently producing very little fluid, which may all be coming from the Kansas City formation. If significant development is encountered at a datum well below the test interval in the #3 and large amounts of water are not found this would suggest structure separation from the Johnson #1. After producing the #2 for a certain length of time to prove that lower zones in the Arbuckle will produce economical amounts of oil, without watering completely out, then I recommend washing down the #3 and testing lower zones. It seems to me this would be more cost effective than setting pipe on a well that may water out in a very short amount of time.

Respectfully submitted,



Mark Kilian, Geologist
14910 S. Gallery St.
Olathe, KS 66062

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