

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

ORIGINAL

Operator: License # 06113

Name: Landmark Oil Exploration, Inc.

Address 250 N. Water, Suite 308

City/State/Zip Wichita, Kansas 67202

Purchaser: N/A

Operator Contact Person: Jeff Wood

Phone (316) 265-8181

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Kevin Howard

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/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 (SWD or Inj?) Docket No. _____

1-16-93 1-28-93
Spud Date kg Date Reached TD Completion Date kgv

API NO. 15- 093-21,249

County Kearny

150' SW N/2 N/2 SW Sec. 15 Twp. 21S Rge. 38W E

2204 Feet from S/4 (circle one) Line of Section

1174 Feet from E/4 (circle one) Line of Section

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

Lease Name McCormick Well # 1-15

Field Name unnamed

Producing Formation N/A

Elevation: Ground 3350' KB 3355'

Total Depth RTD 4900' LTD 4900' PBTB _____

Amount of Surface Pipe Set and Cemented at 461.74 @ 472 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DD 3-18-93
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

RELEASED

Operator Name _____

Lease Name _____

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

County _____ Docket No. _____

FROM CONFIDENTIAL

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 _____

Title President Jeffrey R. Wood Date 02/26/93

Subscribed and sworn to before me this 26th day of February, 19 93.

Notary Public Karri Wolken

Date Commission Expires February 7, 1996

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep
 KGS Plug Conservation
RECEIVED
MAY 1 1993
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KANSAS
(Specify)

KARRI WOLKEN
NOTARY PUBLIC
STATE OF KANSAS
Wichita, Kansas
Exp. 2/7/96

Operator Name Landmark Oil Exploration, Inc. Lease Name McCormick Well # 1-15

Sec. 15 Twp. 21S Rge. 38W East West County Kearny

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
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:				

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
Conductor		13-3/8"		187	60/40 pozmix	200	2%gel, 3%CC
Surface		8-5/8"	23#	461.74			

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	192-surf	200 sacks - surefill, 6% chip seal, 3% CC		
<input type="checkbox"/> Plug Back TD		20 sacks hulls on outside of pipe; then 90 hulls in hole.		
<input type="checkbox"/> Plug Off Zone		300 sacks surefill		

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

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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:	<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Comminglod	Production Interval
		<input type="checkbox"/> Other (Specify) _____		_____

ORIGINAL

Attachment to ACO-1
Page Two

Operator: Landmark Oil Exploration, Inc.
Well Name & Number: #1-15 McCormick
Location: 150' SW, N/2 N/2 SW,
Section 15-T21S-R38W
Kearny County, Kansas
API#: 15-093-21,249

FEB 26
CONFIDENTIAL

DST #1 3995-4015 (Lans "H") 30-45-45-60. Rec. 146' oil sptd mdy wtr,
2% oil, 38%wtr, 60% mud; 116' oil sptd mdy wtr, 2% oil, 53% wtr, 45%
mud; 116' slight oil sptd mdy wtr, 1% oil, 84% wtr, 15% mud.
FP 45-78/123-194#. SIP 1037-1024#.

DST #2 4643-4710 (Morrow Sand) 30-45-45-60. Rec. 10' mud w/oil
specks in tool. FP 89-134/123-134#. SIP 198-199#.

DST #3 4762-4803 (Low.Morrow Sand) 30-45-45-60. Rec. 20' slightly
oil sptd mud. FP 56-45/67-56#. SIP 2334-2323#.

LOG TOPS

B.Anhydrite	2172'	+1183
Winfield	2556'	+ 762
Heebner	3760'	- 405
Lansing	3814'	- 459
Stark	4112'	- 757
BKC	4248'	- 893
Marmaton	4283'	- 928
U.Cherokee Shale	4424'	-1069
Morrow Shale	4662'	-1307
Morrow Sand	4676'	-1321
Mississippi	4808'	-1453
LTD	4900'	-1545

RELEASED

MAR 1 1 1994

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

MAR 1 1993

CONSERVATION DIVISION
Wichita, Kansas

3-483-2627, Russell, Kansas
316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5061

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	1-18-93	Sec.	15	Twp.	21	Range	38 W	Called Out	12:30 AM	On Location	4:15 AM	Job Start	8:15 AM	Finish	9:00 AM	
Lease	McCormick	Well No.	1-15	Location				Sel Kirk 175-2E	County	Kearny	State	Ks				
Contractor	Murfin Drig.											Owner	Landmark			
Type Job	Surface											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 listed.				
Hole Size	12 1/4		T.D.	472												
Csg.	8 5/8 23'		Depth	470												
Tbg. Size												Depth				
Drill Pipe												Depth				
Tool												Depth	FEB 26			
Cement Left in Csg.												Shoe Joint				
Press Max.												Minimum				
Meas Line												Displace	296615			
Perf.																

CONFIDENTIAL

Charge To Landmark
Street 250 N. Water #308
City Wichita State Kan 67202
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. X Rodney Pann
CEMENT

EQUIPMENT

No.	Cementer	Ken
Pumptrk 6463	Helper	Terry
No.	Cementer	
Pumptrk	Helper	
	Driver	
Bulktrk 2752		Fitz
Bulktrk	Driver	

Amount Ordered 300 SK. 60/40 Poz 31cc + 2 1/2 gal

Consisting of

Common	180 SK.	2	6 35	1,143.00
Poz. Mix	120 SK.	2	2 65	318.00
Gel.	5 SK	2	6 75	110
Chloride	10 SK	2	21.00	210.00
Quickset				

DEPTH of Job 470

Reference:	8 5/8 wood Cup Plug	42.00
	Pumptruck	380.00
	2.00 per mile	196.00
	Sub Total	
	Tax	618.00
	Total	

Handling	1.00 per SK	300.00
Mileage	4¢ per SK/mile 98 miles	1176.00
	Sales Tax	
	Sub Total	3,147.00
	Total	

RELEASED

Floating Equipment MAR 11 1994

FROM CONFIDENTIAL

Remarks: Hook up to Circulate mud for 20 min.
Hook up to TRK. pump 5 bbls of fresh water, mix
300 SK. 60/40 poz 31cc + 2 1/2 gal. Displace with
29 bbls of fresh water. Cement did circulate
into pit

Handed you
Ken + crew

RECEIVED
STATE CORPORATION COMMISSION
MAR 1 1993
CONSERVATION DIVISION
Wichita, Kansas

483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5059

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	1-16-93	Sec.	15	Fwp.	21	Range	38 ^W	Called Out	9am	On Location	8:30pm	Job Start	11:30 AM	Finish	12:15 AM
Lease	McCormick	Well No.	1-15	Location	Selkirk 175-2E			County	Kearny	State	KS				

Contractor	Murfin Drlg #20	Owner	Landmark
Type Job	Surface	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.	
Hole Size	17 ¹ / ₄	T.D.	192
Csg.	13 ³ / ₈ 48 ^{HP}	Depth	190
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	20	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	26 ¹ / ₄

Charge To	Landmark
Street	250 N. Water, # 308
City	Wichita
State	Kan 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Rodney Farn

FEB 26
 CONFIDENTIAL

Amount Ordered	300 SK, 60/40 Pkg 31cc + 21 gal
Consisting of	
Common	180 SK @ 6 ³⁵ = 1,143 ⁰⁰
Poz. Mix	120 SK @ 2 ⁶⁵ = 318 ⁰⁰
Gel.	5 SK @ 6 ¹⁵ = 110 ⁰⁰
Chloride	10 SK @ 21 ⁰⁰ = 210 ⁰⁰
Quickset	

EQUIPMENT		
Pumptrk	No. 6463	Cementer Ken
		Helper Terry
Pumptrk	No.	Cementer
		Helper
Bulktrk	2752	Driver Fitz
Bulktrk		Driver

Handling	1 ⁰⁰ per SK	300 ⁰⁰
Mileage	4¢ per SK/mile	1,176 ⁰⁰
	98 miles	
Sub Total		3,147 ⁰⁰
Total		

DEPTH of Job	190
Reference:	Pumptruck 380 ⁰⁰
	No Plus Used
	2 ⁰⁰ per mile
Sub Total	196 ⁰⁰
Tax	576 ⁰⁰
Total	

Floating Equipment FROM CONFIDENTIAL
 13³/₈ Cement Basket - 280⁰⁰

Remarks: Mix 200 SK Cement down csg. & displace with 23 bbls of cement. Did not circulate. Mix 3 SK, Calloflake with 20 SK of cement. Blend Hull in tub with cement. Cement did NOT come to surface. all for more cement

RECEIVED
 STATE OPERATING COMMISSION
 MAR 1 1993
 CONSERVATION DIVISION
 Wichita, Kansas
 Thank you,
 Ken & crew

83-2627, Russell, Kansas
 16-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ORIGINAL ALLIED CEMENTING CO., INC.

5060

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-17-93	15	21	38 W	12:30 AM	4:30 AM	5:00 AM	11:30 AM
Lease McCormick		Well No. 1-15		Location Selkirk 175-2 E		County Kearny	State KS

Contractor	Murtin Drbg. #20
Type Job	Surface (one inch)
Hole Size	T.D.
Csg.	Depth
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner	Landmark
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 listed.	
Charge To	Landmark
Street	250 N. Water, #308
City	Wichita State Kan 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>[Signature]</i>

EQUIPMENT

No.	Cementer	Ken
Pumptrk 6463	Helper	Terry
No.	Cementer	
Pumptrk	Helper	
Bulktrk 2752	Driver	Fitz
Bulktrk 69	Driver	Ness City Bill

Amount Ordered	200 SK. Surefill 3700L No seal 1/2 cello	Per SK
	300 SK. Surefill 3700L 2 1/2 gal	
Consisting of		
Cement	ASC - 500 SK @ 8.10	4050.00
Poz. Mix		
Gel.	6 675	N/E
Chloride	15 21.00	315.00
Quickset		
	Fla-Seal, 100 lbs @ 1.00	100.00
		Sales Tax
Handling	1.00 per SK	500.00
Mileage	4¢ per SK/mile	1960.00
	98 mile	
		Sub Total
		6925.00
		Total

DEPTH of Job	
Reference:	Pump Truck 380.00
	Sub Total 380.00
	Tax
	Total

Floating Equipment	

Remarks: Mix 200 SK. Surefill open ended down back side of csg. No sign of cement (5:00 AM). We put 20 SK. of on hull down hole & mixed w/d. Hole filled with mud. Run one inch & mix 300 SK. of cement. Cement in cellar

RELEASED

MAY 11 1994

RECEIVED
 STATE CORPORATION COMMISSION

FROM CONFIDENTIAL

MAR 1 1993

CONSERVATION DIVISION
 Wichita, Kansas