

ORIGINAL

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

API NO. 15- 109-20531-0000

County Logan

150'S E/2 SW SE Sec. 4 Twp. 11-S Rge. 33-W

510 Feet from SXN (circle one) Line of Section

1650 Feet from EXX (circle one) Line of Section

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

Lessee Name Nollette Well # 5-4

Field Name Cook Northwest

Producing Formation LKC, Johnson

Elevation: Ground 3133' KB 3138'

Total Depth LTD 4718'; RTD 4710' PBTD 4674'

Amount of Surface Pipe Set and Cemented at 369 @ 376 Feet

Multiple Stage Cementing Collar Used? XX Yes No

If yes, show depth set 2547 Feet

If Alternate II completion, cement circulated from 2547

feet depth to 0 w/ 790 sx cmt.

Drilling Fluid Management Plan 7-2-92
(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.

Operator: License # 06113

Name: Landmark Oil Exploration, Inc.

Address 250 N. Water, Suite 308

city/State/Zip Wichita, Kansas 67202

Purchaser: Koch Oil Company

Operator Contact Person: Jeff Wood

Phone (316) 265-8181

Contractor: Name: White and Ellis Drilling

License: 5420

Wellsite Geologist: Micheal Dixon

Designate Type of Completion

XX New Well Re-Entry Workover

XX Oil SWD S10W Temp. Abd.

 Gas ENHR SIGW

 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info

Operator:

Well Name: 7-1-92

Comp. Date Old Total Depth

 Deepening Re-perf. Conv. to Inj/SWD

 Plug Back PBTD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

05-04-92 05-15-92 06-04-92

Spud Date Date Reached TD Completion Date

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JUL 1 1992
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-6 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 06-26-92

Subscribed and sworn to before me this 26th day of June, 19 92.

Notary Public Karri Wolken

Date Commission Expires February 7, 1996

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C X Wireline Log Received
C Geologist Report Received
Distribution
 X KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Landmark Oil Exploration, Inc. Lease Name Nollette Well # 5-4

Sec. 4 Twp. 11-S Rge. 33-W East West
 County Logan

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:

Geological Report
 Guard Sidewall Neutron Log
 Temperature Log
 Sonic Cement Bond Log

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		8-5/8"	20#	376'	60-40 pozmix	220	2% gel, 3% CC
Production		5-1/2"	14#	4700.05	EA-2	140	5#/sk gilsonite 20 bbls salt-flush

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate		Lite Cement	15 in rathole; 535 with 1/4# flocele;	followed with 50 sacks of Common with 1/4# flocele;
<input type="checkbox"/> Protect Casing		HLC	250 with 1/4# flocele down backside	
<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	
3	4626-4634	Johnson	500 gls 15% MCA; 1500 gls 15% NE	
3	4292-4300	"J"	750 gls 15% NE	
2	4276-4279	"I"	750 gls 15% NE	
2	4241-4244	"H"	250 gls 15% MCA; 500 gls 15% NE	

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>4659.68</u>	Packer At <u>2547</u>	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SUD or Inj. 06-04-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>70</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 _____

Attachment to ACO-1
Page Two

Operator: Landmark Oil Exploration, Inc.
Lease Name: Nollette
Well No: #5-4
Location: 150' S, C E/2 SW SE
Sec. 4-T11S-R33W
Logan County, Kansas
API No.: 15-109-20531

DST #1 4143-4164 ("E" zone) 30-30-30-30. Rec. 110' muddy water.
FP 75-75/107-107#. SIP 1154-1101#.

DST #2 4213-4250 ("H" zone) 30-60-45-75. Rec. 10' oil; 30' oil spt
muddy water; and 120' wtr with oil spots. FP 50-60/71-101#.
SIP 1278-1273#.

DST #3 4247-4304 ("I" & "J" zones) 30-45-45-60. Rec. 45' oil; 100'
ocm, 10% oil; 60' ocwm, 5% oil, 2% wtr, 93% mud; and 60' mw, few oil
spots, 90% wtr, 10% mud. FP 60-81/101-126#. SIP 657-647#.

DST #4 4334-4360 ("L" zone) 30-45-45-60. Rec. 50' ocwm, 5% oil and
1080' wtr with spot of oil. FP 81-254/345-537#. SIP 1184-1164#.

DST #5 4599-4640 (Johnson zone) 30-60-60-75. Rec. 30' ocm, 10% oil,
90% mud; 60' sw and ocm, 20% oil, 5% wtr, 75% mud. Small amount of
free oil on tool. FP 50-50/50-50#. SIP 233-233#.

LOG TOPS

Anhydrite	2620'	+518
Base Anhydrite	2646'	+492
Heebner	4040'	-902
Toronto	4067'	-929
Lansing "A"	4082'	-944
Muncie Creek	4224'	-1086
Lansing "H"	4240'	-1120
Lansing "I"	4271'	-1133
Lansing "J"	4292'	-1154
Stark	4308'	-1170
"L" zone	4352'	-1214
BKC	4363'	-1225
Marmaton	4394'	-1256
Pawnee	4502'	-1364
Ft. Scott	4555'	-1417
Johnson Zone	4626'	-1488
LTD	4718'	-1580

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SERVICES
JOB LOG

15-109-20531-0000

WELL NO. 15-1 LEASE Mojo TICKET NO. 15-109-20531-0000
 CUSTOMER Lowman Oil Production PAGE NO. 1/1
 JOB TYPE 8 5/8" Cementing DATE 5-1-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1992 5-5	1500							Job started
	1700							2000.0/PT - Pig dily @ 15'
	1900							Run on loc. Reg. @ 1900 hrs - Setup Equip.
	2105							Hole cut to 380' - Pig dily
	2140							Start pulling DP
								Start 8 5/8" - 70 #/L. Dig.
	2348							Cog. @ 276' - Hookup to Pipe
	2351							Big Start Circulating
	2859							Hook up to PT
1992 5-6	0001	3.4	10.0				175	Start 10 bbl. water mixed
	0003	4.0	50.2				175	Start mixing 280 gal. @ 14.0 280 gal. @ 5.0 gal.
	0018	4.0					100	Finish mixing cement
								Release 8 5/8" Top Line
	0020	5.0	23.6				0	Start disp.
	0036	3.0					150	Plug down
	0040							Job Completed
								Thank you Ebbin-Rike-Harris
								Cement did circulate (2 bbl.)

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3R-2

TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
1315							Called out - Ready 1800-1900
1800							Onloc - Rig laying down D.P
1830							Setup Equip.
1935							Pipe layed down - Rig up to Run
2050							5 1/2" New 14# Csg.
							Start Csg in Hole - Guide Shoe, Insert
							Flt w/ Auto Fill Assy in 1st Collar, Cnd.
							on jts # 1-2-3-10-11-12-13-48-49-51-
							73-74, Cmt Bsk on jts 49 & 74
							Port Collar Baker on jts 50.
2250							Csg on Bottom
2250							Hookup P.C & Manifold & Rotating Head
2300				1	400		Break Circ. & Begin Rotating
2320				1	200		Finish Circ. - Hook to PIT
2325		3		1	350		Start Fresh Wtr Space
		20					Start 20 BBL SALT Flush
		3					Start Spacer Fresh Wtr
		10					Start 420 gal Super-flush
		3					Start Spacer Fresh H2O
2335	7			1	400		Start mixing 140 SKS FA-2 w/ 5% CALSEAL, 10% SALT, 5% HALAD 322, 25 DAIR, 5# Gilsomite / sk.
2342	7	34		1	200		Finish mixing
2342							Wash pumpd lines - Release 5w plug
2345	7 1/2			1	100		Start Disp
		75		1			With 75 BBL in last Returns - Regained
		88		1			Returns w/ 88 BBL Pumped.
	7 1/2	103		1			Last Returns again w/ 103 BBL pumped for 2 BBL & Regained.
				1	900		Circ. - Circ Psi
0000	7 1/2	114		1	1500		Plug Down
0003							Release Psi & hold
0005							Job Complete
							Thanks - Terry - Eldon - Kent

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SERVICES
LOG

WELL NO. 5-4 LEASE Nolalle

15-109-20531-0000

TICKET NO. 163814

CUSTOMER Landmark Oil Exploration

PAGE NO. 1

JOB TYPE Cmt thru Comp Port Collar

DATE 5-22-92

1-2

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
1115							On loc - Set up Eq
1145							Start Tbg & Opening Tint
1430							Mix 15 lbs - 9.11 Rat Hole
		3 1/4 Cmt					Rat Hole Sull. 10.9.5
					250		Hook up to Tbg - Press up Hole
1445							Open Port Collar @ 2541'
1447	3				300		St 540 lbs H/C - 1/4 lb Flocc...
							Ann blowing - Ann Circ - 12 Bbl Cmt
1536	"	17 1/4 Cmt			700		Finish hight - St 565 - 500 lbs -
1540	3	10 1/2 Cmt			"		Fin. Stg. - St Displ
1544	—	10-H ₂ O			1,000		Finish Displ - Shut Down
	3				1,000		Displ additional 10 Bbl @ Co. Man
							Request
1548	—	10-H ₂ O					Shut Down - Close Port Collar
1550					1500		Press Test Cng - Holding
1552					—		Release Press - Run 2 J's Tbg
1605	3				400		Rev. out @ 2610'
1611		16-H ₂ O			—		Shut Down - Pull Tbg / Tools
							Did not Circ. Cmt
							Job Complete
							" Thank You "
							Scott, Kent, Mike & Mike
							83275-73480 82889, 52046
							KANSAS CORPORATION COMMISSION
							JUL 1 1992
							REGISTRATION DIVISION WICHITA, KS

LOG

ORIGINAL

HART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							Called out - Ready @ 0800
	0750							On location - spot & set up trucks
	0820							Collar on top of 5 1/2" Casing + Top Joint of casing not straight. Make up RTTS and try to run in hole. Tools wouldn't go in hole because the collar and casing were in a bind against the tools. Call welder to fix casing
								Pressure up 5 1/2" Casing & close in
	1329							Start Cement - 250 sks HLC w/ 1/4" flocele
	1401	2	0				0	Caught Pressure - slow bleed
	1403		2 1/4				800	Feeding
	1406	1/4	2 1/4				775	Pressure dropped off Increase rate
	1409	1	3 1/2				600	Increase rate
	1413	2	8				500	6 bbl Cement left. Shut down Pressure dropped to 200psi instantly. lost 100psi in 10min Held 100psi
	1447	2 1/4	8 1/4				450	Pump 1 1/2 bbl Cement - Held 125psi
	1501	3/4	8 3/4				400	Pump rest of Cement.
	1506	3/4					400	Finish Cement - Holding 250psi
	1514	3/4	8 7/4				400	Close in Ann
	1516						250	Wash up truck
	1526		3/4 w/r				400	Pressure up Ann - Holding 250psi
	1529						250	Close in
	1532							Rack up truck
	1550							Job Complete
								Thank you John - Mike - Jack
								03503, 52046, B4685

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