

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

Operator: License # 06113
Name: Landmark Oil Exploration, Inc.
Address 250 N. Water
Suite 308
City/State/Zip Wichita, KS 67202
Purchaser: Koch Oil
Operator Contact Person: Jeff Wood
Phone (316) 265-8181

Contractor: Name: Blue Goose Drilling
License: 5104

Wellsite Geologist: Kevin L. Howard

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

07/05/91 07/13/91 07/29/91
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,512-0000

County Logan

SW SE Sec. 4 Twp. 11-S Rge. 33-W XX East West

990 Ft. North from Southeast Corner of Section

2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Nollette Well # #3-4

Field Name Unnamed

Producing Formation Lansing

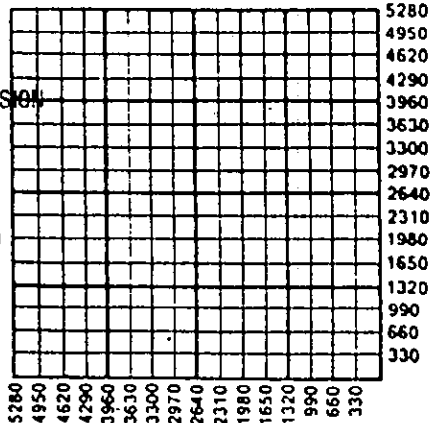
Elevation: Ground 3134' KB 3141'

Total Depth LTD 4725' PBDT _____

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CONSERVATION DIVISION
Wichita, Kansas



9-23-91

Amount of Surface Pipe Set and Cemented at 220sxs @ 334' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2590 Feet

If Alternate II completion, cement circulated from 2590

feet depth to surface w/ 495 645' sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

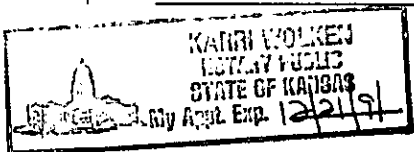
Signature _____
Title President, Jeffrey R. Wood Date 08-26-91

Subscribed and sworn to before me this 26th day of August, 19 91.

Notary Public Karri Wolken
Karri Wolken
Date Commission Expires December 21, 1991

K.C.C. OFFICE USE ONLY.
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



SIDE TWO

Operator Name Landmark Oil Exploration, Inc. Lease Name Nollette Well # 3-4
 Sec. 4 Twp. 11 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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description				
		<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	
Name	Top		Bottom	
Anhydrite	2625'	+516	Johnson	4638' -1497
B.Anhydrite	2650'	+491	Mississ.	4702' -1561
Heebner	4046'	-905	LTD	4725' -1584
Toronto	4074'	-933		
Lansing "A"	4090'	-949		
Stark	4320'	-1181		
BKC	4380'	-1239		
Marmaton	4404'	-1263		
Pawnee	4512'	-1371		
Ft. Scott	4570'	-1429		
Cherokee	4602'	-1461		

DST #1 4267-4315 30-45-60-60. Rec. 60' gip; 40' oil; 30' gmco; 120' gocm; & 60' ocwm. FP 60-81/101-134#. SIP 796-747#.

DST #2 4361-4390 30-45-60-60. Rec. 480' wtr. FP 50-132/172-254#. SIP 1234-1214#.

DST #3 4619-4660 30-45-60-60. Rec. 540' wtr w/oil spots. FP 50-132/172-243#. SIP 487-467#.

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		8-5/8"	19#	334	60-40 poz	220	3% CC, 2% gel
Production		4-1/2"	10.5#	4651	EA-2	185	5% Calseal;
					10% salt; 6# gilsonite/sack; .5% Halad 322 &		1/4% D-Air

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
3 SPF	4300 - 4308	250 gls 15% MCA	
		750 gls 15% NE	

TUBING RECORD Size 2-3/8" Set At 4320.29 Packer At 2590 Liner Run Yes No

Date of First Production 07-29-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	75		20		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

ALTERNATE I & II
Work Sheet

District #6
KCC-KDHE
(Oil, Gas, Water)

AM 1 22, 19 91
Time Month Day Year
Called-In

D. Anderson

API 15-109-20-512-0000

Mr. Russell Brought of Consultant

Operator Landmark Oil Co KCC # _____

Address: 250 N Water #308 Wichita, Mo. Phone # (316) 265-8181

Lease Name Nollette # Well # 3-4
Location NW-SW-SE
990 SL-2311 E Sec. 4 Twp 11 Rge 33
County Zogon

.10 3/4" _____ 8 5/8" 336 (S.V.) (CWC) w/ _____ sk. cmt.

(4 1/2") - 5 1/2" - 6" csg. sec @ 4698 w/ 200 sk. cmt.

T.D. 4725 Elev. 3134 Anh. 2560 Dakota Base 1334 Map
1634

D.V. Tool@ _____ Port Collar @ 2590 Perf. @ 1520 Log
16257 Log Other _____

Total Amount of cement and Blend: 495st 65% Poz 6% Gel - 1/4th Hi-Lite per SI

Did cement circulate? No Date July 22-91

Cement Company: Halliburton Cont.

Ticket # _____

Who witnessed Russ Brought - Valco - MFS

7-22-91 Remarks: Halliburton pumped in 495st good mud circulation - Cement Cir. No

7-23-91 - Great Guns Log - cmt @ _____ Carl Coakley.

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Alt. Completion Rotary Rig _____
Pulling unit X
Down. Log _____

M. J. Street

Carl

District #6
KCC-KDHE
(Oil, Gas, Water)

Time Called-In
9 19 19 91
Month Day Year

API 15- 109-20,512 -0000

Mr. _____ of _____

Operator Landmark Oil Co. KCC # _____

Address: 250 n. Water #308 Wichita, Ks. Phone # (316) 265-8181

Lease Name Nollette Well # 3-4

Location NW SW SE 990 SL 2310 EL Sec. 4 Twp 11 Rge 33

County Logan

10 3/4" 8 5/8" 336 S.P. cwc w/ _____ sk. cmt.

4 1/2" - 5 1/2" - 6" csg. set @ 4698 w/ 200 sk. cmt.

T.D. 4725 Elv. 3134 Anh. 2560 Dakota Base 1334 16257

D.V. Tool@ _____ Port Collar @ 2590 Perf. @ _____ Other _____

Total Amount of cement and Blend: _____

Did cement circulate? _____ Date _____

Cement Company: _____

Ticket # _____

Who witnessed _____

Remarks: 7-23-91 Great Guns Bond Log Cement at 700 ft.

7-24-91 Backside Squeeze w/ 150 sks cement

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SEP 2 1991

Alt. Completion
Rotary Rig _____
Pulling unit _____
Down. leg _____

Signed _____

HALLIBURTON SERVICES
JOB LOG

WELL NO. 3-4 LEASE NOLLETT

15-109-20512-0000
TICKET NO. 033332

CUSTOMER LANDMARK OIL CO.

PAGE NO. 1

FORM 2013 R-2

JOB TYPE SURFACE

DATE 7-5-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1220							called out ORIGINAL
	1600							On Loc. Rm Dns @ 330 FT
	1610							Fin Dns
	1630							Pull T.D.P.
	1710							START 8 5/8 CS
	1755							Fin Cas Work up Plug Cont.
	1800							ST. Circ
	1805							Fin Circ Work to Pump Truck
	1808				1		150	START H ₂ O SPACER
	1810		10		1		150	Fin H ₂ O
	1910				1		150	ST mix 220 sks 60/40 pas 2% H ₂ O ₂ , 3% Acc
	1823		50		1		150	Fin mix cont Release LA-11 Top Plug
	1825				1		150	ST. Disp
	1830		20		1		200	Fin Disp Close in
								curt circ SBB Job Completion
								Thank you D. A. [Signature]

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CONSERVATION DIVISION
White Karsas

HALLIBURTON SERVICES
JOB LOG

WELL NO. 3-4 LEASE Nollette

15-109-20572-0000

TICKET NO. 051112

CUSTOMER Landmark Exp.

PAGE NO. 141

JOB TYPE Unit Port Collar - New Well

DATE 7-27-91

FORM 2013 R-2

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1110							Time called - Ready to go
	1235							On line - Unit pumping 11.6.129 Setup equip 4 unit on well
	1342			1		500 th		Open Port Collar @ 2590' Start 20 bbl 3% SAT. Flush 1000' ^{Grp}
	1355			1		350		Start mixing cement NLC w/ 1/2" Flare
	1445		177	1		500		Finish mixing cement - full circ. let out throughout
	1445							Start Disp - full circ.
	1450		10	1		750		Final Disp - cement did not circ, Close port collar. Psi test - Did not hold. Turn tubing to close Repeat test & hold Run tubing to 2630' Circ hole
	1500		20					Final circ.
	1510							Top Cement to

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SEP 18 1991

COMPLETION DIVISION
Wichita, Kansas

Thanks
Terry - Scott - Mike

JOB LOG

FORM 2013 R-2

WELL NO. 3-4 LEASE NOLICOTTE
 CUSTOMER Landmark Oil Co.
 JOB TYPE Long string

15109-20512-0000
 TICKET NO. 033535
 PAGE NO. 1
 DATE 7-13-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
13 July	1200							CALLER OUT
	1845							on loc. Rig hanging DOWN COLLARS SET UP TRUCKS
	1915							FIN Laying DOWN
	2010							START CSG w/REG Guide shoe INSERT FLOAT VALVE FLUIDMASTER CENTRALIZERS ON 1, 3, 5, 9, 10, 11, 13 & 15 JTs. Rig CENTRALIZERS ON 49, 58, 78 & 100 BAKED PORT COLLAR TOP # 50 @ 259
	2200							RECEIVED STATE CORPORATION COMMISSION SEP 18 1991 MAKEUP LAST JT & CSG STAKE OUT ck Tally, UNSCROW JT PUT ON LANDING JT.
	2230							ST. CIRC, GOOD RETURNS, CSG STUCK
	2400							ORDER OIL TO SPOT. CONSERVATION DIVISION Wichita Kansas
14 July	0130							SPOT OIL
	0800							CIRC FOR 1/2 hr - CIRC ^{good} RETURNS
	1020		5	1		300		START SBBL H2O SPACER
	1023			1		300		ST 10 BBL Super Flush
	1026		10	1		300		FIN Super Flush
	1027		5	1		300		SBBL H2O SPACER
	1030		6	1		300		2 SF 9 & 2
	1033			1		300		ST. MIX 185 SFs EA-2 w/ 5% CAL-SEAL, 10% SALT, 6% GLYCOL
	1043		47	1		100		100 5% Halm 322, 2.25% O-Air 100 FIN CIRC
								Release SW Top Plug Wash Pump & Lines
	1046			1		0		ST. Disp
			42	1		400		ST. LIFTING CIRC
				1				CIRC PRESSURE - good RETURNS
	1105		74	1		1500		FIN Disp
	1110							Release HOLD
								Job Complete Thank you John, Ken & Mike

ORIGINAL