

ORIGINAL SIDE ONE

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

API NO. 15- 179-20,991-00-00

County Sheridan

NE NE NE Sec. 33 Twp. 8-S Rge. 26-W  East West

4950 Ft. North from Southeast Corner of Section

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

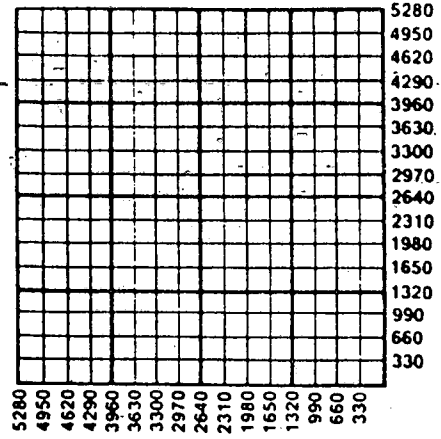
Lease Name Hansen Well # #1-33

Field Name unnamed

Producing Formation Lansing-Kansas City

Elevation: Ground 2542' KB 2549'

Total Depth 3967' PBSD



5280  
4950  
4620  
4290  
3960  
3630  
3300  
2970  
2640  
2310  
1980  
1650  
1320  
990  
660  
330

4-18-91

STATE CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WICHITA, KANSAS  
03-08-1991  
MAR 8 1991

Amount of Surface Pipe Set and Cemented at 283' @ 292 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2179' Feet

If Alternate II completion, cement circulated from 2179'

feet depth to surface w/ 308 sx cmt.

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: Chief Drilling, Inc.

License: 5886

Wellsite Geologist: P. Sam Houston

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

01-30-91 02-07-91 02-21-91

Spud Date Date Reached TD Completion Date

**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 02/27/91

Subscribed and sworn to before me this 27th day of February, 19 91.

Notary Public 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)



P1

**SIDE TWO**

Operator Name Landmark Oil Exploration, Inc. Lease Name Hansen Well # #1-33  
 Sec. 33 Twp. 8-S Rge. 26-W  East  West  
 County Sheridan

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;"><b>Formation Description</b></p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>2157'</td><td>+392</td></tr> <tr><td>B.Anhydrite</td><td>2190'</td><td>+359</td></tr> <tr><td>Heebner</td><td>3665'</td><td>-1116</td></tr> <tr><td>Lansing "A"</td><td>3700'</td><td>-1151</td></tr> <tr><td>Lansing "C"</td><td>3749'</td><td>-1200</td></tr> <tr><td>Lansing "H"</td><td>3828'</td><td>-1279</td></tr> <tr><td>"J" zone</td><td>3866'</td><td>-1317</td></tr> <tr><td>"K" zone</td><td>3887'</td><td>-1338</td></tr> <tr><td>BKC</td><td>3922'</td><td>-1373</td></tr> <tr><td>LTD</td><td>3967'</td><td>-1418</td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2157'	+392	B.Anhydrite	2190'	+359	Heebner	3665'	-1116	Lansing "A"	3700'	-1151	Lansing "C"	3749'	-1200	Lansing "H"	3828'	-1279	"J" zone	3866'	-1317	"K" zone	3887'	-1338	BKC	3922'	-1373	LTD	3967'	-1418
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DST #1 3738-3787, misrun. DST #2 3718-3787, 30-45-45-60. Rec. 500' gip; 500' cgo; and 90' mw. FP 89-133/178-223#. SIP 804/804#. DST #3 3804-3844, 30-45-45-60. Rec. 650' gsoil; 650' wtr. FP 133-267/312-491#. SIP 939/939#.

**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#	292	60-40 poz	185	3%CC, 2% gel
Production		5-1/2"	14#	3962'	EA2	100	5% Calseal; 10% salt; 5% Halad
					g		322, D-Air 1/4 of

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
3	3866 - 3870	1000 gls 15% NE
3	3828 - 3832	
3	3779 - 3783	250 gls 15% MCA; 1000 gls 15% NE

**TUBING RECORD** Size 2-7/8" Set At 3913' Packer At 2179' Liner Run  Yes  No

Date of First Production 02-22-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	120	40			

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

**METHOD OF COMPLETION** Production Interval

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

ORIGINAL 15-179-20991-00-00

ATTACHMENT TO FORM ACO-1

Operator: Landmark Oil Exploration, Inc.  
Well Name: Hansen  
Well Number: #1-33  
Location: NE NE NE, Sec. 33-8S-26W  
Sheridan County, Kansas  
API Number: 15-179-20,991

DST #4 3842-3860, 30-30-30-30. Rec. 20' mo.  
FP 44-44/44-44#. SIP 44/44#.  
DST #5 3856-3874, 30-45-45-60. Rec. 1200' .  
gsyoil; 1380' gip. FP 133-223/267-357#.  
SIP 401/401#.  
DST #6 3878-3895, 30-30-30-30. Rec. 5' mud  
with a few spots of oil. FP 44-44/44-44#.  
SIP 44/44#.

CONSERVATION DIVISION  
Wichita, Kansas

MAR 8 1991

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**SERVICES  
LOG**

WELL NO. 1-33 LEASE 15-179-20991-00-00 Hansen TICKET NO. 051232  
 CUSTOMER Landmark Oil PAGE NO. 1 of 1  
 JOB TYPE Well Port Collar DATE 2-14-91

IR-2

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0500							Called Out - Ready @ 0800
0735							On location - Set up trucks
0850							Hook up to 2 7/8" tbg.
0855							Pressure tbg
0856							Open Port collar - Pressure fell
0856	3				350		Injection rate - Blow on Ann
0859	4				400		Start 20 bbl Salt Flush
0901	4				400		Annulus Circulating
0905	4				400		Finish Salt Flush - Start Cement 325 sks HLC w/ 1/4" floccle
0933	3 3/4	95 cmt			850		Cement Circulated
0933	3 3/4	95 cmt			850		Stop mixing cement
0935	4	101 cmt			700		Start Displacement
0938	4	102 cmt			1050		Finish Displacement - Holding 500psi
0940							Close Port Collar
0941					800		Pressure tbg - Held
0943							Release - Held
0945		18 wtr					Reverse out
0950							Finish reversing out
1000							Wash up truck
1010							Rack up
1015							Job completed

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CONSERVATION DIVISION  
Wichita, Kansas

**JN SERVICES  
B LOG**

WELL NO. 15-179-20991-00-00 LEASE # ANSENW TICKET NO. 707571  
 CUSTOMER *Union* PAGE NO. 1  
 JOB TYPE *Long string* DATE 2-7-91

J13 R-2

PART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0545							CALL TO OUT
	0705							on loc.
	0715							START Csg - CONTRA LENSEN J 1, 2, 4, 6, 8
	0815							Trucks on loc. 41, 50, 65, 80, 88 CHARTERED J # 42
	0900							FIN Csg PORT COLLAR ON 42 @ 2170
								Hookup Plug cont.
	0905							START CIRC
	0940							FIN CIRC
								Hook to Pump Truck
	0943				1		300	START 20 BBL SALT FLUSH
	0946		20		1		300	FIN SALT FLUSH
	0947		5		1		300	N2O SPACER
	0948				1		300	START 500 GAL SUPER FLUSH
	0951		12		1		300	FIN FLUSH
	0952		5		1		300	5 BBL SPACER
	0953				1		300	START MIX 100 ST. A-2 W/ 5% CAL-SOAL, 10% SALT, .5% HCL @ 30 1.25 D AIR
	0957		225		1		200	FIN CURT WASHUP PUMP & LINES RELEASE SW TOP PLUG
	0958				1		100	START DISP
	1010						200	ST. LIFTING CURT
			76		1		550	CIRC PSI
	1013		95		1		1400	FIN DISP - GOOD RETURNS
	1015							RELEASE INSERT NEW
								Job Complete
								Thank you
								<i>John, Edwin, Mark &amp; Terry</i>

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