

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

API NO. 15-109-20,449-00-00
County Logan
SW.. NW.. NW... Sec. 23.. Twp. 13S. Rge. 33.. East
X West

Operator: License # 06113
Name Landmark Oil Exploration, Inc.
Address 110 S. Main, #510
Wichita, Kansas 67202
City/State/Zip

4290 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Koch Oil

Lease Name Stoll Well # 1-23
Field Name Smokey-Valley North

Operator Contact Person Jeff Wood
Phone (316) 265-8181

Producing Formation Lansing
Elevation: Ground 2593' KB 2958'

Contractor: License # 5147
Name BEREDCO, Inc.

Wellsite Geologist Robert O'Dell
Phone (316) 721-2175

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

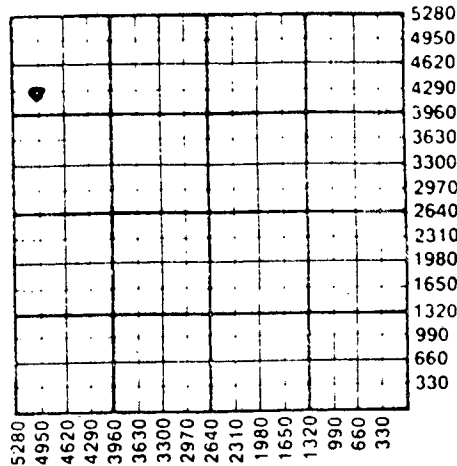
If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable
10-20-87 10-29-87 10-30-87
Spud Date Date Reached TD Completion Date
4570'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 272 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

Rec. 01-12-1988

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

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.

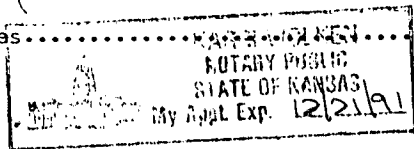
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 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 12-22-87

Subscribed and sworn to before me this 22nd day of December 1987
Notary Public

Date Commission Expires



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

Sec. 23 Twp. 13 Rge. 33

Operator Name Landmark Oil Exploration, Inc. Lease Name..... Stoll Well #..... 1-23

Sec..... 23 Twp..... 13-S Rge..... 33 East West County..... Logan

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 mis-run
 DST #2 3865-3935, 45-45-45-60. Rec. 260' mw with show of oil, 240' mw. FP 53-138/170-223#. SIP 1127-1064#.
 DST #3 4061-4095, 45-60-45-75. Rec. 80' gip, 140' gassy oil, 30' gassy ocm. FP 31-42/63-63#. SIP 255#. No final SIP.
 DST #4 packer failure.
 DST #5 packer failure.

Name	Top	Bottom
Anhydrite	2417'	+541
Wabaunsee	3522'	-564
Heebner	3869'	-911
Lansing "A"	3910'	-952
Stark Shale	4160'	-1202
BKC	4222'	-1264
Ft. Scott	4421'	-1463
Cherokee Sh.	4449'	-1491
Johnson Zone	4492'	-1534
L.T.D.	4570'	-1612

CASING RECORD <input 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#	272	60/40 Poz	180	2% gel, 3% CO
Production		4 1/2"	10.5#	4569	50/50 Poz	200	2% gel, 18% Salt,
				3/4 of 1% CFS		20 bbl	salt flush w/500#
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Size 2 3/8"		Set At 4149.18		Packer at			
Date of First Production	Producing Method						
12-6-87	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	20						
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

Operator Name Landmark Oil Exploration, Inc. Lease Name Stoll Well # 1-23

Sec 23 Twp 13-S Rge 33 East West Logan County

WELL LOG

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [] Sample

Table with 3 columns: Name, Top, Bottom. Rows include Anhydrite, Wabaunsee, Heebner, Lansing "A", Stark Shale, BKC, Ft. Scott, Cherokee Sh., Johnson Zone, L.T.D.

DST #1 mis-run

DST #2 3865-3935, 45-45-45-60. Rec. 260' mw with show of oil, 240' mw. FP 53-138/170-223#. SIP 1127-1064#.

DST #3 4061-4095, 45-60-45-75. Rec. 80' gip, 140' gassy oil, 30' gassy ocm. FP 31-42/63-63#. SIP 255#. No final SIP.

DST #4 packer failure.

DST #5 packer failure.

Form sections: CASING RECORD, PERFORATION RECORD, TUBING RECORD, Date of First Production, Producing Method, Estimated Production. Includes fields for size, weight, setting depth, and production rates.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [] Open Hole [X] Perforation [] Other (Specify) [] Dually Completed [] Commingled

KANSAS GEOLOGICAL SURVEY WICHITA BRANCH

JAN 12 1988