

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. 15-193-20,438 -0000
County Thomas
NW SE NW Sec. 31 Twp. 10S Rge. 31 East West
3500 Ft North from Southeast Corner of Section
3500 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Moorhous Well # 31-6A
Field Name Campus North
Producing Formation Lansing
Elevation: Ground 3009' KB 3016'

Operator: License # 9835
Name L.B. Petroleum, Inc.
Address 370 17th St., Suite 3200
City/State/Zip Denver, CO 80202

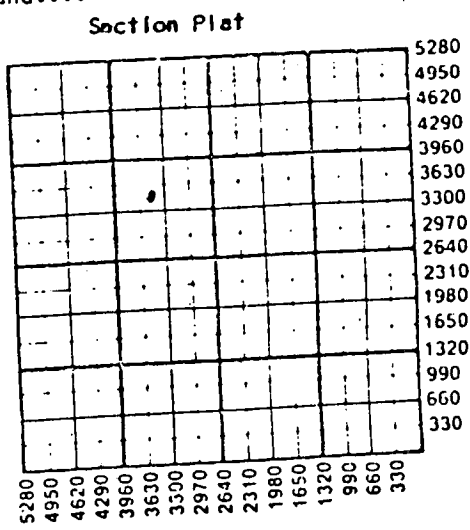
Purchaser Fina Oil & Chemical

Operator Contact Person Layle L. Robb
Phone (303) 629-1447

Contractor: License # 5883
Name Warrior Drilling Company

Wellsite Geologist Soli Shapurji
Phone (303) 629-1447

Designate Type of Completion
 New Well Re-Entry Workover
 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



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

WELL HISTORY
Drilling Method: Mud Rotary Air Rotary Cable
June 9, 1987 June 17, 1987 July 2, 1987
Spud Date Date Reached TD Completion Date
4705' KB 4629' KB
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 319 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2578 feet
If alternate 2 completion, cement circulated from 2578 feet depth to surf w/ 450 SX cmt
Cement Company Name Allied Cementing Co., Inc.
Invoice # 49014

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 slide 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 Layle L. Robb
Title Operations Manager Date 7/16/87

Subscribed and sworn to before me this 16th day of July 1987
Notary Public
Date Commission Expires March 9, 1989

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)
JUL 20 1987
Form ACO-1 (5-86)

Sec 31, Twp 10, Rge 31

Operator Name L.B. Petroleum, Inc. Lease Name Moorhous Well # 31-6A
 Sec. 31 Twp. 10S Rge. 31 County Thomas
 East West

15-193-20438-0000

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: 4015'-33' (Lansing 'A') 30"-45"-30"-60"
 Rec 2116' water. IHP 2017#, IFP 386#-1055#, ISIP 1263#, FFP 1105#-1235#, FSIP 1263#, FHP 2007#. BHT 116° F.

DST #2: 4083'-4111' (Lansing 'E') 30"-45"-45"-60"
 Rec 100' gassy oil, 270' mud cut gassy oil 180' water cut gassy oil, 270' GIP. IHP 2047#, IFP 71#-132#, ISIP 926#, FFP 162#-243#, FSIP 906#, FHP 2037#, BIT NR.

Name	Top	Bottom
Anhydrite	2544'	3990'
Heebner	4026'	
Lansing	4313'	
Base KC	4342'	
Marmaton	4439'	
Pawncc	4668'	
Mississippian		

RELEASED
 AUG 16 1988
 FROM CONFIDENTIAL

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	12 1/4"	8-5/8"	24#	319' KB	60/40 Poz	185	3% CaCl ₂ , 2% gel
Production	7-7/8"	4 1/2"	10.5# (1)	4705' KB	60/40 (1) Lite (2)	225	5#/sk Gilsonite, 1#/sk Flocele

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4234'-38'	250 gal 15% MCA	
2	4108'-13'	250 gal 15% MCA	

TUBING RECORD

Size 2-3/8" Set At 4279' KB Packer at - Liner Run Yes No

Date of First Production 7/2/87 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
45 Bbls	TSTM	MCF	Tr.	-	40° API @ 60° F

METHOD OF COMPLETION

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

Production Interval 4108' to 4238'

DRILLERS LOG

JUNE 18, 1987

Moorhouse 31-6A
SE NW SE NW Sec. 31-10S-31W
Thomas County, Kansas

OPERATOR: L.B. Petroleum, Inc.
CONTRACTOR: Warrior Drilling Co.
COMMENCED: 6-09-87
COMPLETED: 6-17-87

8 5/8" @ 319' w/185 sks 60-40 posmix

0	46	Surface Clay
46	980	Sand & Clay
980	1512	Shale & Sand
1512	2544	Shale
2544	2574	Anhydrite
2574	3397	Shale
3397	4025	Shale & Lime
4025	4365	Lime & Shale
4365	4700	Lime
4700'		RTD

4 1/2" @ 4699' w/225 sks 60-40 bottom stage
450 sks light on top stage

KANSAS GEOLOGICAL SURVEY
WICKITA BRANCH

JUL 21 1987

We certify that the above and foregoing is a true and correct copy of the log on the Moorhouse 31-6A located in Thomas County, Kansas.

WARRIOR DRILLING CO.

F.W. Shelton, Jr.

F.W. Shelton, Jr.,

MARTHA E. GUSTIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPL. EXPIRES

Subscribed and sworn to before me this 18th day of June, 1987

Martha E. Gustin

Martha E. Gustin

RELEASED
AUG 16 1988
FROM CONFIDENTIAL