

ORIGINAL SIDE ONE

CONFIDENTIAL 2-1-1991 FROM CONFIDENTIAL

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

API NO. 15- 109-20,486-00

County Logan

C NW NE Sec. 7 Twp. 13S Rge. 33 X East West

4620 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

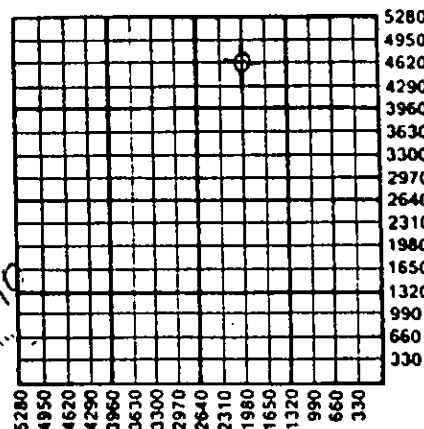
Lease Name Ladenburger Well # 1-C

Field Name Wildcat

Producing Formation None

Elevation: Ground 2991 KB 2996

Total Depth 4665' PBTD ---



Amount of Surface Pipe Set and Cemented at 345 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 5123

Name: Pickrell Drilling Company, Inc.

Address 110 N. Market, Suite 205

City/State/Zip Wichita, KS 67202

Purchaser: None

Operator Contact Person: Jay McNeil

Phone (316) 262-8427

Contractor: Name: Company Tools

License: 5123

Wellsite Geologist: Billy G. Klaver

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

If OAWD: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

4/9/90 4/21/90 4/21/90
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 [Signature]

Title C.W. Sebitts, President Date 5-1-90

Subscribed and sworn to before me this 1st day of May 19 90.

Notary Public [Signature]

KATHERINE J. RULE, Notary Public
Date Commission Expires June 29, 1992
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. 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)

ORIGINAL

CONFIDENTIAL
ORIGINALLY
SIDE TWO

Operator Name Pickrell Drilling Co., Inc. Lease Name Ladenburger Well # 1-C

Sec. 7 Twp. 13S Rge. 33 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.

MAY 24 1991

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.)

FROM CONFIDENTIAL

Formation Description

Name	Formation Description	
	Top	Bottom
Anhydrite	2427(+569)	Miss 4566(-1570)
B/Anhydrite	2448(+548)	
Heebner	3859(-863)	
Lansing	3910(-914)	
Stark	4154(-1158)	
B/Kansas City	4231(-1235)	
Pawnee	4346(-1350)	
Fort Scott	4404(-1408)	
Cherokee	4432(-1436)	
Johnson Zone	4476(-1480)	

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 1/2"	8 5/8"	20#	345'	60/40poz	195	2%gel 3%CC

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 Size Set At Packer At Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

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

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 _____

JAN 1991

15-109-20486-00-00

PICKRELL DRILLING COMPANY, INC.

110 NORTH MARKET - SUITE 205
WICHITA, KANSAS 67202-1996
(316) 262-8427

ORIGINAL
RELEASED CONFIDENTIAL

MAY 24 1991

FROM CONFIDENTIAL

#1 Ladenburger 'C'
C NW NE
Sec. 7-13S-33W
Logan County, Kansas

API : 15-109-20,486
ELEV: 2996'KB, 2994'DF, 2991'CL
4620' From South Line
1980' From East Line

- 4-09-90: MIRT.
- 4-10-90: (On 4/9) Spud @ 5:15 PM, set new 20# 8 5/8" casing @ 345'KB, cement w/195sx 60/40 poz. 2%gel 3%CC. Comp. @ 11:35 PM 4/9/90, cement circ. (On 4/10) Drilling at 365'.
- 4-11-90: Drilling at 2000'.
- 4-12-90: Drilling at 2975'.
- 4-13-90: Drilling at 3550'.
- 4-16-90: (On 4/14) Taking DST #1 at 3895' (On 4/15) Drilling at 3954', DST #1 3854'-3895' 30"-60"-60"-90", strong blow, Rec.370' Mcutwtr, 2260' SW (chl. 37,000 PPM) IFP 319#-855#, FFP 960#-1159#, ISIP 1173#, FSIP 1173#, DST #2 3895'-3954' 30"-60"-60"-90", Rec. 65' socwtry mud (2% oil 4% wtr) 120' wcutmud 2/ssoil, 440' SW (cyl. 36,000 PPM) IFP 57#-121#, FFP 163#-280#, ISIP 1194#, FSIP 1200# (On 4/16) Drilling at 4095', DSP #3 3954'-3996', weak blow, Rec. 70' mud w/tr oil, IFP 25#-25#, FFP 42#-53#, ISIP 1179#, FSIP 1085#.
- 4-17-90: Drilling at 4186', DST #4 4056', 30"-60"-90"-90", fair blow, rec. 210' mud w/SO (1% oil throughout), IFP 36#-53#, FFP 74#-110#, ISIP 1263#, FSIP 1215#. Taking DST #5 @ 4120'-4186'.
- 4-18-90: Drilling at 4352'. DST #5 4120'-4186', 30"-30"-30"-30", Rec. 1' FO, 15' OCM (10% oil), IFP 21#-21#, FFP 36#-36#, ISIP 1023#, FSIP 1023#. Taking DST #6 4186'-4352'.

SAMPLE TOPS

T/Anhydrite	2428(+568)
B/Anhydrite	2451(+545)
Heebner	3859(-863)
Toronto	3878(-882)
Lansing	3907(-911)
Stark	4154(-1158)
B/Kansas City	4235(-1239)
Marmaton	4261(-1265)
Pawnee	4358(-1362)
Fort Scott	4414(-1418)
Cherokee	4440(-1444)
Johnson Zone	4481(-1485)
Mississippi	4564(-1568)

ELECTRIC LOG TOPS

Anhydrite	2427(+569)
Base Anhydrite	2448(+548)
Heebner	3859(-863)
Lansing	3910(-914)
Stark	4154(-1158)
B/Kansas City	4231(-1235)
Pawnee	4346(-1350)
Fort Scott	4404(-1408)
Cherokee	4432(-1436)
Johnson Zone	4476(-1480)
Mississippi	4566(-1570)

ORIGINAL

MAY 24 1991

15-109-20486-00-00

CONFIDENTIAL

PICKRELL DRILLING COMPANY, INC.

RELEASED

#1 Ladenburger 'C'
Logan County, Kansas

ORIGINAL

MAY 24 1991

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FROM CONFIDENTIAL

4-19-90: Drilling at 4420'. DST #6 4186'-4352', 30"-60"-90"-90", strg blow, rec. 370' mdy wtr, 870' SW (36,000 PPM), IFP 63#-180#, FFP 244#-504#, ISIP 1294#, FSIP 1257#.

4-20-90: Drilling at 4535'. DST #7 4387'-4450', 30"-60"-30"-30", Rec. 20' GCM/sso, IFP 25#-25#, FFP 31#-31#, ISIP 117#, FSIP 42#. Taking DST #8 @ 4450'-4535'.

4-23-90: (On 4/21) DST #8 4450'-4535', 30"-60"-90"-90", Rec. 210' GIP, 70' S1GCO, 90'G&OCM (20%G, 12%O), IFP 36#-46#, FFP 57#-85#, ISIP 1110#, FSIP 1110#. RTD 4665'. LTD 4667'.

P&A: Plugged w/20sx @ 2440', 100sx w/floseal @ 1390', 40sx @ 400', 10sx w/SBP @ 40', 15sx in rathole. 60/40 poz. 6% gel. PD @ 9:45 PM 4/21/90.

ORIGINAL

05/17/91