

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

Operator: License #4549.....
NameAnadarko Petroleum Corporation
Address P.O. Box 351.....
City/State/Zip Liberal, KS. 67905-0351..

Purchaser.....N/A.....
.....

Operator Contact Person .. M. L. Pease ..
Phone .. 316-624-6253 ..

Contractor: License #5842.....
Name Gabbert-Jones, Inc.

Wellsite Geologist.....Eric Drummond.....
Phone.....303-595-3326.....

Designate Type of Completion

 X New Well Re-Entry Workover

 Oil SWD Temp Abd

 X Gas Inj Delayed Comp.

 Dry Other (Core, Water Supply etc.)

If OWWG: old well info as follows:

Operator

Well Name

Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method: X Mud Rotary Air Rotary Cable

 7/20/87 8/1/87 2/22/88
Spud Date Date Reached TD Completion Date

 6265 6080
Total Depth PBD

Amount of Surface Pipe Set and Cemented at.....feet
Multiple Stage Cementing Collar Used? x Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

189-21,099

API NO. 15.....
County.....Stevens
App NW SE SE Sec. 32 Twp. 31 Rge. 38 — East
 x West
.1250.... Ft North from Southeast Corner of Section
.1250.... Ft West from Southeast Corner of Section
 (Note: Locate well in section plat below) |
Lease Name.....Libby "A".....Well #.1.....
Field Name.....Crosswind Prospect.....
Producing Formation.....L. Morrow.....
Elevation: Ground.....3164.6.....KB.

Section Plot

[illegible]

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

x Other (explain)..Contractor furnished water
(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 M. L. Pease
M. L. Pease
Title Division Production Manager Date 3/2/68

Subscribed and sworn to before me this 27 day of March 1988 at Boston, MA

Notary Public J. Shirley Williams

Date Commission Expires 2/26/2002

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)

Operator Name Anadarko Petroleum Corporation Lease Name Libby A" Well # 1Sec. 32 Twp. 31S Rge. 38 ☐ East ☒ West County Stevens

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 @ 5787-5814 (L. Morrow)

Pressures	Initial	Final
Hydrostatic	2778	2749
Flowing	44-59	44-103
Shut-in	1687	1701

Gas to surface 55 min into second opening.

Rate of 73 MCFD @ 38 psi

BHT - 135°F

Name	Top	Bottom
Cased Hole	0'	30'
Clay, Sand	30'	510'
Redbed, Gyp	510'	1460'
Redbed, Anhydrite	1460'	1745'
Anhydrite, Shale	1745'	2265'
Shale, Lime	2265'	2800'
Lime, Shale	2800'	6265'
TD		6265'

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	1729	Poz/Com	650/200	4% Gal, 2% CC
Prod-1st Stage	7-7/8"	4-1/2"	11.6	6240	LW Poz	75	6% Gal
2nd Stage				2800	50-50 Poz	170	10% Salt
					1% Econolite	260	2% CC, Flosea

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	6160-79	CIBP @ 6080	
2	5846-78	A/3200 Gal 7-1/2% MCA	
		F/41000 Gal 70% Foamed N/2% KCL	
		+ 65,000# 20/40 Sand	

TUBING RECORD

Size 2-3/8" Set At 5820 Packer at Liner Run ☐ Yes ☒ No

Date of First Production

Producing Method

SI WOPL

☒ Flowing ☐ Pumping ☐ Gas Lift ☒ Other (explain) SI WOPL

Estimated Production Per 24 Hours

Oil	Gas	Water	Gas-Oil Ratio	Gravity
24 Bbls	1400 MCF	Trace Bbls	58,333 CFPB	44.9°

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☒ Sold (SI WOPL) ☐ Other (Specify)
☐ Used on Lease

☐ Dually Completed
☐ Commingled

5846-78

(L. Morrow)