

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: SHAWN D. YOUNG

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: RATCLIFF B-1

Comp. Date 3-31-77 Old Total Depth 6606

Deepening Re-perf. Conv. to Inj/SWD

Plug Back 6086 PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

3-30-99 -- 4-20-99

Spud Date Date Reached TD Completion Date

API No. 15- 189-20326 -- 0001

County STEVENS

Sec. 18 Twp. 33 Rge. 37 E W

1250 Feet from X/N (circle one) Line of Section

1250 Feet from X/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name RATCLIFF "B" Well # 1

Field Name GENTZLER

Producing Formation L. MORROW

Elevation: Ground 3131 KB --

Total Depth 6606 PBD 6086

Amount of Surface Pipe Set and Cemented at 1695 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan OWWO, 4-30-99 uc,
(Data must be collected from the Reserve Pit)
NOT APPLICABLE

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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.

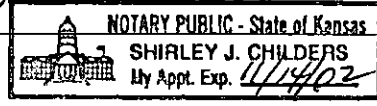
Signature Shawn D. Young
SHAWN D. YOUNG

Title DIVISION PRODUCTION ENGINEER Date 4/27/99

Subscribed and sworn to before me this 27th day of April 19 99.

Notary Public Shirley Childers

Date Commission Expires _____



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

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name RATCLIFF "B" Well # 1

Sec. 18 Twp. 33 Rge. 37 East West
 County STEVENS

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

Log Formation (Top), Depth and Datums Sample
 Name Top Datum

SEE ATTACHED ORIGINAL ACO-1

** Original Completion CASING RECORD <input checked="" 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	12-1/4"	8-5/8"	24.0	1695	POZ/ COMMON	700/ 200	4% GEL, 2%CC
** PRODUCTION	7-7/8"	5-1/2"	15.5	6203	SS POZ/ LITE WATER	320/ 300	.5% CFR-2/ 4% GEL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	4	5955-5962		FRAC'D W/ 4900 GAL 2% KCL WTR GELLED TO 30# + N2 FOAMED @ 50-70 QUAL + 8000# 20/ 40 SMD.

TUBING RECORD Size 2-1/16" Set At 5974 Packer At 5920 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. RESUMED: 4-18-99 Producing Method: Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 432 Mcf Water 7 Bbls. Gas-Oil Ratio -- Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Comingled 5955-6067 OA Production Interval Other (Specify) _____

ORIGINAL

KANSAS DRILLERS LOG

S. 18 T. 33S R. 37 ^X/_W

API No. 15 — 189 — 20,326
County Number

Loc. 1250' F&NWL

County STEVENS

Operator

ANADARKO PRODUCTION COMPANY

Address

P. O. BOX 351, LIBERAL, KANSAS 67901

Well No.

1

Lease Name

RATCLIFF "B"

Footage Location

1250 feet from (N) (S) line 1250 feet from (E) (W) line

Principal Contractor

Lohmann-Johnson Drilling Co.

Geologist

Joe Blair

Spud Date

6PM 2/10/77

Total Depth

6606'

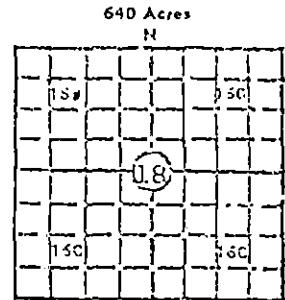
P.B.T.D.

6203'

Date Completed

3/31/77

Oil Purchaser



Locate well correctly

Elev.: Gr. 3131'

DF _____ KB _____

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4"	8-5/8"	24#	1695'	Poz Common	700 200	4% gel, 2% cc
Production	7-7/8"	5-1/2"	15.5#	6203'	SS Poz Lite Water SS Poz	170 300 150	.5% CFR-2 4% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1/shot/2 ft.		6067-5991'
TUBING RECORD			2		2964-66'
String #1 Size 2-1/16"	Setting depth 5955'	Packer set at 5955'	2		2825-2952'
String #2 Size 2-1/16"	2831'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1/3000 gals 7.5% HCL w/add. + 40BS + 46,000 SCF Nitrogen. 1/40,000 gals foamed 3% acid (75% foam) + 20,000# 20-40 sand, 20,000# 10-20 sand + 20BS.	5991-6067'
1/250 gals 15%	2964-66'
1/2000 gals 15% + 90 BS	2825-2952'

INITIAL PRODUCTION

Date of first production <u>5/19/77 (Morrow)</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Flowing</u>
RATE OF PRODUCTION PER 24 HOURS	Oil _____ Gas <u>1020 (CG)</u> <u>3020 (Morr)</u> MCF
Disposition of gas (vented, used on lease or sold) STATE _____	Water _____ Gas-oil ratio _____ CFPB _____
Producing interval(s) <u>5991-6067'</u>	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Wichita, Kansas

Operator
 ANADARKO PRODUCTION COMPANY
 DESIGNATE TYPE OF COMP.: OIL, GAS,
 DRY HOLE, SWDOW, ETC.:
 GAS

Well No. 1
 Lease No. RATCLIFF "B"

S 19 T 33S R 37 ^{EX}_W

WELL LOG
 Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.
 SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Native & Sand Dolo & Shale Lime & Shale Shale Lime & Shale Shale Lime & Shale TOTAL DEPTH				
DST #1 5994-6041 (Morr) 20MPF w/good blow op 40 min GTS 5M ga 16 Mcfd, 20M 43.9 Mcfd, 30M 56.3 Mcfd, 40M 59 Mcfd, rec 192' GCM, ISIP 1089 (45), IFP 320-187, FP 149-160, PSIP 1832 (6 hr. 30M), sli plugging action on PF.				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Paul Campbell
 Signature
 Paul Campbell, Division Production Manager
 Title
 October 19, 1977
 Date

OBJEIVAT