

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

Operator: License # 4779

Name: NORTH AMERICAN RESOURCES CO

Address 16 E. GRANITE

City/State/Zip BUTTE, MT 59701

Purchaser: _____

Operator Contact Person: BEN STROMBERG

Phone (406) 782-4233

Contractor: Name: RED TIGER DRILLING CO.

License: 5302

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2-25-92 3-7-92 3-9-92
Spud Date Date Reached TD Completion Date

API NO. 15- 055-21,081

County FINNEY

C - SW - NW - Sec. 17 Twp. 23 Rge. 30 X E W

3300 Feet from S/X (circle one) Line of Section

4620 Feet from E/X (circle one) Line of Section

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

Lease Name HERBERT Well # #17-3A

Field Name BULGER

Producing Formation _____

Elevation: Ground _____ KB 2851.103

Total Depth 4900' PBTB _____

Amount of Surface Pipe Set and Cemented at 1780' 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 7-21-93
(Data must be collected from the Reserve Pit)

Chloride content 15,000 ppm Fluid volume 3000 bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

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, 200 Colorado Derby Building, 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 [Signature]

Title DRILLING SUPERINTENDENT Date 03/23/92

Subscribed and sworn to before me this 23rd day of March 19 92.

Notary Public [Signature] O'Neil

Date Commission Expires May 24, 1994

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
Distribution
KCC
KGS
SWD/Rep 14-
Plug
MAR 30 1992
Wichita, Kansas
Form ACO-1 (7-91) JUN 4 1992

Operator Name NORTH AMERICAN RESOURCES CO

Lease Name HERBERT

Well # #17-3A

Sec. 17 Twp. 23 Rge. 30

East

County FINNEY

West

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:

- CALIPER LOG
- BHC ACOUSTILOG
- DUAL INDUCTION FOCUSED LOG
- COMPENSATED DENSITY/NUETRON LOG

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
HEEBNER	3974'	SHALE/LIMESTONE
LANSING	4064'	LIMESTONE
STARK	4329'	SHALE/LIMESTONE
K.C. BASE	4462'	SHALE
MARMATON	4484'	SHALE/LIMESTONE
PAWNEE	4562'	LIMESTONE
CHEROKEE	4608'	LIMESTONE
MORROW	4730'	SHALE
ST. GENEVIEVE	4734'	LIMESTONE
ST. LOUIS	4818'	LIMESTONE

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"	23#	1780'	60-40POZ H CLASS H	705 100	6%GEL, 2%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SVD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____