

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

API NO. 15- 033-20921-0000 *00-2/ APR 09 1990*

County COMANCHE

SW-SE - SW - Sec. 34 Twp. 32S Rge. 19 *FROM CONFIDENTIAL*

350 Feet from S (circle one) Line of Section

1650 Feet from E (circle one) Line of Section

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

Lease Name HERD Well # 34-14

Field Name COLTER WEST

Producing Formation ARBUCKLE & VIOLA

Elevation: Ground 1926' KB 1939'

Total Depth 6142' PBTD 6142'

Amount of Surface Pipe Set and Cemented at 656 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan OWWO - 2-25-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 3882

Name: SAMUEL GARY JR. & ASSOCIATES

Address 1670-BROADWAY, SUITE 3300
DENVER, CO 80202

City/State/Zip _____

Purchaser: KOCH & PG&E

Operator Contact Person: TOM FERTAL

Phone (303) 831-4673

Contractor: Name: WELLTECH WELL SERVICE

License: 3419

Wellsite Geologist: NA

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SION Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: SAMUEL GARY JR. & ASSOCIATES

Well Name: HERD 34-14

Comp. Date 2/14/96 Old Total Depth 6142'

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

11/14/97 11/22/97
Spud Date ----- Date Reached TD ----- Completion Date

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 Thomas Fertal

Title Dr. Geologist Date 2/12/98

Subscribed and sworn to before me this 12th day of February, 1998.

Notary Public Cherrie O'Shea

Date Commission Expires 8-24-98

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 SAMUEL GARY JR. & ASSOCIATE Lease Name HERD Well # 34-14

Sec. 34 Twp. 32S Rge. 19 County COMANCHE

East
 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.)

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

ALL INFORMATION WAS SUBMITTED WITH THE ORIGINAL ACO-1

List All E.Logs Run:
ALL LOGS WERE SUBMITTED WITH THE ORIGINAL ACO-1

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	656	A 65/35	225	3% CCL
PRODUCTION	7 7/8"	5 1/2"	15.5	6098'	50/50POZ	20	10% SALT

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate	5969-5970			
Protect Casing	6030-6031	50/50 POZ	445	2-5% GEL, 10% SALT
Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	6052-6053	CL H	50	NONE

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	6030-6031 & 5969-5970' SQZ PERFS	250 GAL NASILICATE+50SX 6030-6031
4	5870-5871'	5870-5871'
4	6052-6053	50 SX CL H NEAT 6052-6053
4	6131-6124', 6121-6119', 6116-7	12' (SEE ATTACHED) 6112-6132'

TUBING RECORD	Size 2 3/8"	Set At 6006'	Packer At 6006'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SLD or Inj. 11/22/97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 25 Bbls.	Gas 550 Mcf	Water 100 Bbls.	Gas-Oil Ratio NA	Gravity
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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 FEB 17 1998

15-033-20921-00-01

ORIGINAL

RELEASED

APR 09 1999

Herd 34-14
Section 34-T32S-R19W
Comanche County, Kansas

FROM CONFIDENTIAL

Attachment to ACO-1

Perforation Record Continued

4 SPF 5837-5846' no stimulation

RECEIVED
STATE CORPORATION COMMISSION

FEB 17 1998
2-17-98
CONSTRUCTION DIVISION
Wichita, Kansas