

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

COPY

CONFIDENTIAL

API NO. 15- 15-033-20960-0001

County COMANCHE

SW - SW - SW - Sec. 34 Twp. 32 Rge. 19 X

330 Feet from S/ (circle one) Line of Section

330 Feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 , , , SW (circle one)

Lease Name HERD Well # 34-13

Field Name COLTER WEST

Producing Formation MISSISSIPPI/FT SCOTT

Elevation: Ground 1922 KB 1935

Total Depth 5500 PBDT 5424

Amount of Surface Pipe Set and Cemented at 662 Feet

Multiple State 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.

Drilling Fluid Management Plan AH.1, 9-23-98 U.C.
 (Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid Volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled RELEASED

Operator Name MAY 08 2001

Lease Name _____

Quarter Sec. FROM CONFIDENTIAL Twp. _____ Rng. _____

County _____ Docket No. _____

Operator: License # 3882

Name: SAMUEL GARY JR. & ASSOCIATES, INC.

Address 1670 BROADWAY
SUITE 3300

City/State/Zip DENVER CO 80202-4838

Purchaser: PACIFIC GAS & ELECTRIC

Operator Contact Person: TOM FERTAL

Phone 303-831-4673

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: DALE PADGETT

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover/Re-Entry: Oil well info as follows: **KCC**

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-Perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. NO DOCKET #
 Other (SWD or Inj?) _____ Docket No. _____

5/21/98 6/2/98 6/30/98
 Spud Date Date Reached TD Completion Date

SEP 10 1998
CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 South 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 geological 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 J Fertal

Title Senior Geologist Date Sept. 10, 1998

Subscribed and sworn to before me this 10 day of SEPTEMBER, 1998.

Notary Public William J O'Hea

e Commission Expires 9-24-2000

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
IOG (Specify)

Operator Name SAMUEL GARY JR. & ASSOCIATES, INC. Lease Name HERD Well # 34-13

Sec. 34 Twp. 32 Rge. 19 East County COMANCHE West

CONFIDENTIAL

COPY

Instructions: Show important tops and base of formation 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:
DUAL INDUCTION
COMP NEUTRON DENSITY
MICROLOG
BHC LONG SPACED SONIC

KCC

SEP 10 1998

CONFIDENTIAL

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
STONE CORRAL	903	+1032
WABAUNSEE	3316	-1381
BASE HEEBNER SH	4199	-2264
LANSING	4364	-2429
MARMATON	4908	-2973
CHEROKEE	5015	-3080
MISSISSIPPI	5097	-3162
TD	5500	

RELEASED

MAY 08 2001

FROM CONFIDENTIAL

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
CONDUCTOR		20"		35'		3 YDS	
SURFACE	12-1/4"	8-5/8"	24	662	CLASS A	325	3% CC, 2% GEL, 1/4%
PRODUCTION	7-7/8"	5-1/2"	15.50	5501	CLASS H 50/50	250	10% SALT & floc

ADDITIONAL CEMENTING/SQUEEZE RECORD

5% FLOSEAL

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
4	5214-20, 5224-29	500 GAL 15%	
4	{ 5192-96, 5180-82, 5170-77 } 5162-66, 5154-58	2000 GAL 15%	
4	5005-11	600 GAL 15%	

TUBING RECORD Size 2-3/8" Set At 5138 Packer At 5138 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 6/29/98 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil TRC Bbls. Gas 300MCF Mcf Water 8Bbls. Bbls. Gas-Oil Ratio Gravity

position of Gas:

METHOD OF COMPLETION

Production Interval

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

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

5154-5229 OA

5005-5011