

* Amended
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 # 3919
Name Challenger Exploration
Address P.O. Box 1112
Hays, KS 67601
City/State/Zip

Purchaser

Operator Contact Person Vince Werth
Phone 913-628-2685

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Jim Harden
Phone 625-0040

Designate Type of Completion
[X] New Well [] Re-Entry [] Workover
Oil [] SWD [] Temp Abd
Gas [] Inj [] Delayed Comp.
[x] Dry [] Other (Core, Water Supply etc.)
If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
[X] Mud Rotary [] Air Rotary [] Cable
11-2-88 11-8-88 11-8-88 plugged
Spud Date Date Reached TD Completion Date
4395'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 237 feet
Multiple Stage Cementing Collar Used? 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 #

API NO. 15-135-23,303-0000
County Ness
Approx. C SE SE NE 28 18S 24W East West

3194 Ft North from Southeast Corner of Section
554 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Cranston Well # 1

Field Name

Producing Formation

Elevation: Ground 2291' KB 2296'

Section Plat

Table with 10 columns and 10 rows representing a section plat grid. Y-axis labels: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. X-axis labels: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330.

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: Hauled.
Division of Water Resources Permit #

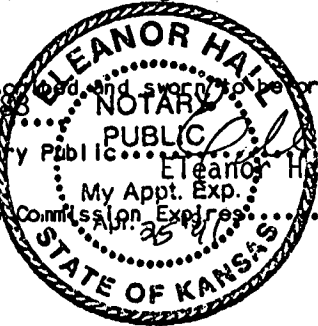
Groundwater...Ft North from Southeast Corner
(Well) ...Ft West from Southeast Corner of
Sec Twp Rge East West
Surface Water...Ft North from Southeast Corner
(Stream, pond etc)...Ft West from Southeast Corner
Sec Twp Rge East West
Other (explain)
(purchased from city, R.W.D. #)

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 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 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 [Signature]
Title Drilling Manager Date 11-15-88

Subscribed and sworn to before me this 15 day of November
Notary Public Eleanor Hall, Notary Public
My Appt. Exp. 4-25-91



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
[X] KCC [] SWD/Rep [] NGPA
[X] KGS [] Plug [] Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION
JAN - 3 1989
1-3-89
CONSERVATION DIVISION
Wichita, Kansas

Sec 28 Twp 18Rge 24W

Operator Name Challenger Exploration Lease Name Cranston Well # 1

Sec. 28 Twp. 18S Rge. 24W East West County Ness

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

Drill Stem Test: 4318 - 4345 (Cherokee sand zone)

times: 15-45-30-45

Recovery: 20' of mud (no oil)

flow pressures: 58-58#, 58-58#

shut-in pressures: 329-145#

very weak blow, died on second opening.

Name	Top	Bottom
Anhydrite	+690	
Heebner Shale	-1400	
Lansing top	-1441	
Marmaton	-1799	
Ft. Scott	-1957	
Cherokee sands	-2014	
Mississippian lime	-2066	
RTD	-2099	

Cherokee sand: reported slight show free oil, fair even staining, <.4 mm diameter sand
 No other important shows of oil noted in well

WELL NOT LOGGED

ONLY ONE DST RUN

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"		237'	60-40 Poz	150	2% gel, 3% CC
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
D & A							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio		Gravity
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease

Open Hole Perforation Other (Specify)

Dually Completed Commingled