

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 # 8860  
Name .. Castle Resources  
Address .. RR #1, Box 90  
City/State/Zip .. Hays, KS .. 67601

Purchaser ..

Operator Contact Person .. Jerry Greene  
Phone .. 913-625-5155

Contractor: License # 8241  
Name .. Emphasis Oil Operations

Wellsite Geologist .. Jerry Greene  
Phone .. 913-625-5155

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OMWO: old well info as follows:  
Operator ..  
Well Name ..  
Comp. Date .. Old Total Depth ..

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
10/16/86... ..10/27/86... ..10/28/86...  
Spud Date Date Reached TD Completion Date  
.....5470... ..  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 289 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-..... 071-20,428 -00-00  
County..... Greeley  
NE NE NE Sec. 32 Twp. 16S Rge. 41 East  
..... X West

4950 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

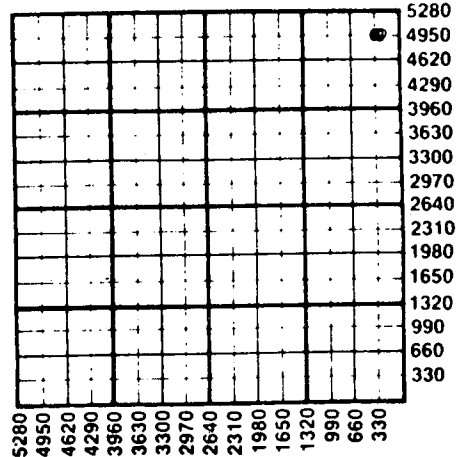
Lease Name.....Johnson.....Well #.2.....

Field Name.....

Producing Formation.....

Elevation: Ground.....3768.....KB.....3773.....

Section Plat



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:  
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...100 Ft North from Southeast Corner  
(Stream, pond etc.)...3200 Ft West from Southeast Corner  
Sec 31 Twp 16 Rge 41 East West  
 Other (explain).....  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 ..  
Title..... Date 12-15-86

X Subscribed and sworn to before me this 15 day of December 1986  
Notary Public..... Reva F. Musgrave  
Date Commission Expires.....3-28-88

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

Sec. 32, Twp. 16, Rge. 41



Operator Name Castle Resources Lease Name Johnson Well # 2

Sec. 32 Twp. 16S Rge. 41  East  West County Greeley

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

See Drillers Log

DST # 1 3877-3905  
 45-45-45-45  
 TBHP 959  
 FBHP 959  
 FP 134-596  
 680-815  
 Recovery 1340' water

DST # 2 5000-5100  
 30-0  
 IBHP none  
 FBHP none  
 FP 958-1050  
 Recovery 2175' gassy water

Formation Description  
 Log  Sample

Name	Top	Bottom
Topeka	3887	
Heebner	4100	
Lansing KC	4209	
Base KC	4524	
Marmaton	4612	
Ft Scott	4686	
Cherokee	4718	
Atoka	4848	
Morrow sh	5006	
Mississippi-St Louis	5204	
RTD-LTD	5470	

CASING RECORD <input 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 1/2"	8-5/8"	24	289	50/50 port	180	2% gel, 3% c.c.

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(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 Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled

STATE CORPORATION COMMISSION  
 CONSERVATION DIVISION  
 Wichita, Kansas