

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 # 9860
Name Castle Resources
Address R.R. 1, Box 90
City/State/Zip Hays, Kansas 67601

Purchaser

Operator Contact Person Jerry Green
Phone 913-625-9023

Contractor: License # 9087
Name R. & C. Drilling, Inc

Wellsite Geologist Jerry Green
Phone 913-625-9023

Designate Type of Completion

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

6-4-86 Spud Date 6-12-86 Date Reached TD 6-14-86 Completion Date
5300 Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 358 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from
Cement Company Name
Invoice #

API NO. 15-071-20421-00-00
County Greeley
NW SE NE Sec. 32 Twp. 16 Rge. 41 East X West

3630 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Johnson Well # 1

Field Name

Producing Formation

Elevation: Ground 3774 KB 3779

Section Plat

Section Plat grid with depth markers on the right: 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: Irrigation Well
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 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 Jerry Green
Title President Date 9-18-86

Subscribed and sworn to before me this 18th day of September 1986
Notary Public Kathy Hachmeister
Date Commission Expires 4-20-89



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)

10-24-86

Sec 32 Twp. 16 Rge. 41 W

SIDE TWO

Operator Name Castle Resources Lease Name..... Johnson Well #..... 1

Sec. 32 Twp. 16 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

Formation Description
 Log Sample

o to 1780 Sand And Shale
 1780 to 2697 Shale
 2697 to 2727 Anhydrite
 2727 to 4426 Shale and lime
 4426 to 5099 Shale
 5099 ro 5300 Shale RTD

Name	Top	Bottom
Topeka	3902	
Heebner	4114	
Lansing-KC	4220	
Marmaton	4626	
FT. Scott	4700	
Cherokee	4736	
Atoka	4874	
Morrow shale	5038	
Keyes LM	5142	
Mississippi	5235	

DST # 1 3890-3918
 Zone tested Topeka
 Testing times 45-30-60-30
 Recovery: 240' mud, 120' GTMW w/o spots
 240' water. FO on top of tool
 FP 177-206 206-305
 IBHP 946 FBHP 926

DST # 2 4410-45
 Zone Tested "J"
 IBHP 1236 FBHP 1236
 FP 887-12-6 1126-1226

Testing times 15-30-30-30 recovery 80% heavy mud and 2400' muddy water

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	20#	358	40/60 Poz	225	2% gel 3% CC

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
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Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....
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Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION Production Interval

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