

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 # 9229  
name Douglas Energy Company, Inc  
address 6100 N. Robinson, Ste 202  
City/State/Zip Okla., City, OK 73118

Operator Contact Person Jeff White  
Phone 405-843-0400

Contractor: license #5146  
name Beredco

Wellsite Geologist Jeff White  
Phone 405-843-0400

PURCHASER Santa Fe Minerals

Designate Type of Completion  
 New Well  Re-Entry  Workover

- Oil  SWD  Temp Abd
- Gas  Inj  Delayed Comp.
- 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:  Mud Rotary  Air Rotary  Cable  
initial: 12/7/84  
10/11/84 10/21/84 workover: 7/22/85  
Spud Date Date Reached TD Completion Date

.6684 .6060  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1686 feet  
to-cm

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

API NO. 15-175-20,792-00-01

County Seward

150' W of C SE NW 19 34 34 East  
(location) Sec Twp Rge X West

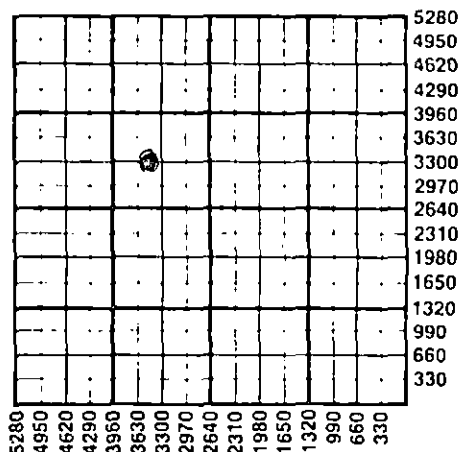
3300 Ft North from Southeast Corner of Section  
3450 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name James Well# 1

Field Name RG  
Was: Lower Chester Is: Upper  
Producing Formation Lower Morrow Morrow

Elevation: Ground 2954 KB 2967

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit # T-83-725

Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of  
Sec Twp Rge  East  West

Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
Sec Twp Rge  East  West

Other (explain)  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

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. Rules 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 Jeffrey H. White  
Title Geologist  
Date 7/31/85

Subscribed and sworn to before me this 31st day of July 1985

Notary Public Barbara A. Wilson  
Date Commission Expires Feb. 19, 1989

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

AUG 6 1985  
8-6-85  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 19 Twp. 34 Rge. 34

Operator Name **Douglas Energy Company, Inc.** Lease Name **James** Well # **1** SEC. **19** TWP. **34** RGE. **34**  East  West

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

Name	Top	Bottom
Heebner	4291 (-1324)	4300 (-133)
Toronto	4320 (-1353)	4350 (-1383)
Lansing	4418 (-1451)	4812 (-1845)
Marmaton	4812 (-1845)	
Marmaton Porosity	5169 (-2202)	5208 (-2241)
Morrow Fm	5812 (-2845)	6140 (-3173)
Upper Morrow Sn	5838 (-2871)	5868 (-2901)
Lower Morrow Sn	6112 (-3145)	6140 (-3183)
Chester Fm	6140 (-3173)	6435 (-3468)
Lower Chester Sn	6415 (-3445)	6426 (-3456)
St. Genevieve	6435 (-3468)	6540 (-3573)
St. Louis	6540 (-3573)	
St. Louis Oolitic	6603 (-3636)	6650 (-3683)

Zone

RELEASED

JUN 05 1986

FROM CONFIDENTIAL

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	23	1686	Halite Class H	500	12 1/2% CaCl <sub>2</sub>
Production	7. 7/8	5. 1/2	15.5	6684	50/50 Pause Class H	210	10% Salt
						50	12 1/2% Gtl, 1% Salt, 2% Gel.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
	See Attachment #1						
TUBING RECORD size 2 7/8 set at 6371 packer at 6371				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
Lower Morrow 12/7/84		<input checked="" type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Lower Chester Shut in							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Lower Chester Sand 45	10	0	225	40		
	Lower Morrow Sand 40 Bbls	35 MCF	8 Bbls	1180 CFPB	42		
METHOD OF COMPLETION				PRODUCTION INTERVAL			
Disposition of gas: <input type="checkbox"/> vented <input checked="" type="checkbox"/> sold <input type="checkbox"/> used on lease				<input type="checkbox"/> open hole <input checked="" type="checkbox"/> perforation <input type="checkbox"/> other (specify) .....			
				6416-6426/Lower Chester 6121-6130/Lower Morrow			
				<input checked="" type="checkbox"/> Dually Completed. <input type="checkbox"/> Commingled			

**CONFIDENTIAL**

Attachment #1

Squeeze Perfs:

4 shots at 6640, squeeze 25 sacks Class H cement  
4 shots at 5832, squeeze 25 sacks Class H cement  
4 shots at 6390, squeeze 25 sacks Class H cement  
4 shots at 6347, squeeze 75 sacks Class H cement

Production Perfs:

4 shots/ft., 6416 to 6426

Broke down perfs with 30 bbls diesel; treated w/1-5 gal Baker 950A chemical, then 6000 gal gelled diesel with 2300# & 1021 sand; flushed with 102 bb/s gelled diesel;

4 shots/ft. 6121-6130

Broke down perfs with 88 bbl oil & diesel; treated with 220 gal 950-950A chemical, 1500 gal 7 1/2% H-Cl with clay stabilizers, bond emulsifier & corrosion inhibitor, flushed with 90 bbl. diesel.

Fracked with 20,000 gal of gelled acid with friction reducer and clay a clay stabilizier and 42,000# of sand and 600 cu. ft. of CO<sup>2</sup>.

**RELEASED**

**JUN 05 1986**

**FROM CONFIDENTIAL**

MAY 7 1985

**State Geological Survey**  
WICHITA BRANCH

RECEIVED  
STATE CORPORATION COMMISSION

MAR 05 1985

CONSERVATION DIVISION  
Wichita, Kansas

March 28, 1984

**CONFIDENTIAL**

Based upon available geologic information, we believe that a fault exists between the Roy Green #1-19 and other wells to the SW, starting with the Petroleum, Inc., #1 "D" Mueller. This separation by the fault creates two separate sources of supply.

The fault extends in a NW-SE direction and has undergone sufficient movement to separate the Chester Sand. Enclosed are a structure map, an isopach map, a cross-section, and an artist's conception of the progressive slippage on the fault.

The Chester Sand extends from -3484' to -3528' at the Roy Green #1-19. The #1 "D" Mueller location has the sand from -3530' to -3594'. The sand is about 54 feet lower and 20 feet thicker at the Mueller well than at the Roy Green #1-19. The cross-section shows that the top of the Chester Sand has a regional dip to the SW of about 45 feet per mile. Because the Mueller well is located little more than half a mile south from the Roy Green #1-19, the structural and thickness differences are too great to be accounted for by regional dip.

We believe that the existence of a high-angle fault best explains the anomalous structural position of the Chester Sand at the Roy Green #1-19. Because of this fault we believe that we are producing from a new pool.

JW/pt

MAY 17 1985  
State Geological Survey  
WICHITA BRANCH

RECEIVED  
STATE CORPORATION COMMISSION

MAR 05 1985

CONSERVATION DIVISION  
Wichita, Kansas