

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 # 9963
name Crude Recovery Corporation
address 1650 Georgetown Suite 200
City/State/Zip Wichita, KS 67218

Operator Contact Person Vern Brungardt
Phone 316-681-3601

Contractor: license # 4049
name Dynasty Drilling Corporation

Wellsite Geologist Mac Armstrong
Phone 316-722-5141

PURCHASER

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
12-26-85 1-25-85 3-13-85
Spud Date Date Reached TD Completion Date
3471' 3500'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 262.64 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

API NO. 15-185-22-160-0000
County Stafford
28-23-12W
28 (location) Sec 23 Twp 12 Rge W XX West
1910' Ft North from Southeast Corner of Section
4040' Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

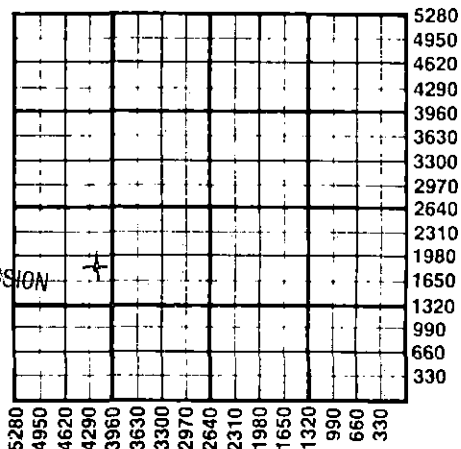
Lease Name Hager Well# 1

Field Name Bedford

Producing Formation

Elevation: Ground 1861 KB 1869

Section Plat



5-10-85
RECEIVED
STATE CORPORATION COMMISSION
MAY 10 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T84-1023
 Groundwater 1900' Ft North From Southeast Corner and
1450' Ft. West From Southeast Corner of
Sec 28 Twp 23 Rge 12 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.

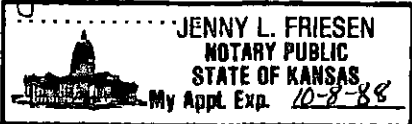
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Vern Brungardt
Title Manager Date 5-9-85

Subscribed and sworn to before me this 9th day of May 19 85

Notary Public Jenny L. Friesen
Date Commission Expires



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. 28 Twp 23 Rge 12 W

Operator Name Crude Recovery Corp. Lease Name Hager Well# 1 SEC 28 TWP. 23 RGE. 12 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

DST #1 3441-3471 30-30-30-30 v ulk BLW, no BLW Rec
 70' DM ISIP not valid IFP not valid FSIP 350
 FFP 87-87

DST #2 3791-3840 30-30-30-30 No BLW Rec, 10'DM
 ISIP 75-112 IFP 37-50 FFP 37-75

Name	Top	Bottom
Heebner	3237	3274
Douglas	3274	3380
BRW Lime	3380	3408
Lsg	3408	3671
B/KC	3671	3694
Cong	3694	3734
Viola	3734	3793
Smp Sh	3793	3820
Smp Snd	3820	3858
Arb.	3858	
TD	3946	

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	262.64	Poz-Mix	200	2% GEL 0.3% Cac.

PERFORATION RECORD

shots per foot specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used) Depth

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 Yes No

Date of First Production Producing method flowing pumping gas lift Other (explain)

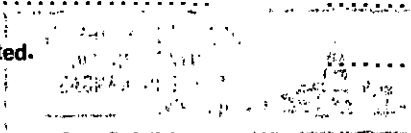
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented open hole perforation
 sold other (specify)
 used on lease

Dually Completed.
 Commingled



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 # 9963
name CRUDE RECOVERY CORPORATION
address 1650 Georgetown, Suite 200
City/State/Zip Wichita, KS 67218

Operator Contact Person Vern Brungardt
Phone 316-681-3601

Contractor: license # 4049
name DYNASTY DRILLING CORP.

Wellsite Geologist Mac Armstrong
Phone 316-722-5141

PURCHASER

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

12-26-85 1-25-85 3-13-85
Spud Date Date Reached TD Completion Date
3471' 3500'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 262.64 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

API NO. 15-185-22-160-0000

County Stafford

Location NW 28 NE SW Sec 23 Twp 12 Rge 28-23-12W West

1910! Ft North from Southeast Corner of Section
4040! Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

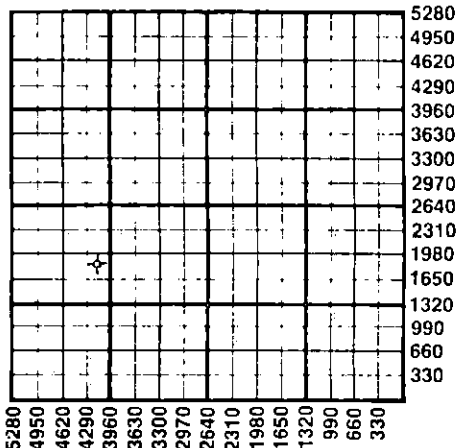
Lease Name HAGER Well# 1

Field Name Bedford

Producing Formation

Elevation: Ground 1861 KB 1869

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T84-1023

Groundwater 1900' Ft North From Southeast Corner and
1450' Ft. West From Southeast Corner of
Sec 28 Twp 23 Rge 12 East West

Surface Water Ft North From Southeast Corner and
Ft West From Southeast Corner
Sec Twp Rge East West

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

Disposition of Produced Water RECEIVED
STATE CORPORATION COMMISSION Disposal
 Repressuring

Docket #

MAY 02 1985

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.

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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 Vern Brungardt
Title Manager Date 4/30/85

Subscribed and sworn to before me this 30th day of April 1985

Notary Public Jenny L. Friesen
Date Commission Expires
JENNY L. FRIESEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10-8-88

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)

RECEIVED
STATE CORPORATION COMMISSION
Form ACO-1 (7-84)

AUG 7 1985

CONSERVATION DIVISION
Wichita, Kansas

Sec. 28 Twp 23 Rge. 12 W

Operator Name CRUDE RECOVERY CORP. Lease Name HAGER Well# 1. SEC. 28.. TWP. 23... RGE. 12..... 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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			

		Name	Top	Bottom
DST #1	3441-3471 30-30-30-30 walk BLW, no BLW Rec	Heebner	3237	3274
	70" DM ISIP not valid IFP not valid FSTP 350	Douglas	3274	3380
	FFP 87-87	BRW Lime	3380	3408
		Lsg	3408	3671
DST #2	3791-3840 30-30-30-30 No BLW Rec. 10' DM	B/KC	3671	3694
	ISIP 75-112 IFP 37-50 FFP 37-75	Cong	3694	3734
		Viola	3734	3793
		Smp Sh	3793	3820
		Smp Snd	3820	3858
		Arb.	3858	
		TD	3946	

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.....	12-1/4.....	8-5/8".....	20.....	262.64.....	Boz-Mix...	200.....	2% GEL-3% CaCl
.....
.....

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			Liner Run	
size	set at	packer at	<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)
.....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	
➔

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION

open hole perforation other (specify)

PRODUCTION INTERVAL

Dually Completed. Commingled