

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 # 7312
name Golden B Hydra Drilling Co., Inc.

Wellsite Geologist None
Phone

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 Cities Service
Well Name #2 Fury
Comp. Date 7-50 Old Total Depth 3812

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
4-22-85 5-1-85 5-17-85
Spud Date Date Reached TD Completion Date

3812
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 240' 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 - 065-01-012-0001

County Graham

NW NW NE Sec 20 Twp 9 Rge 21
(location) East West

4950 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

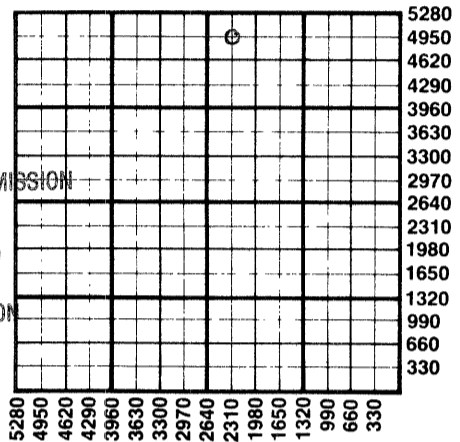
Lease Name Kortan Well# 1

Field Name Morel

Producing Formation Arbuckle

Elevation: Ground 2294 KB 2297

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
5/21/85
MAY 21 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water 4290 Ft North From Southeast Corner and
(Stream, Pond etc.) 660 Ft West From Southeast Corner
Sec 20 Twp 9 Rge 21 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.

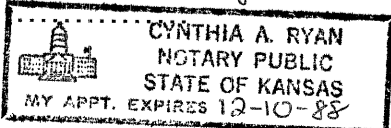
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Operations Manager Date

Subscribed and sworn to before me this 20th day of May 19 85

Notary Public Cynthia A Ryan
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)

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec. 20 Twp 9 Rge 21

Operator Name ..Crude.Recovery.Corporation Lease Name ..Kortan.... Well# .1. SEC..20. TWP..9...RGE..21.... 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

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
Surface8. 5/8 .....	.....	240 .....	.....	175 .....	.....
Production	5. 1/2 .....	.....	3805 .....	.....	175 .....	.....
.....

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
None
.....
.....
.....

TUBING RECORD size 2 7/8 set at 3000' packer at Liner Run Yes No

Date of First Production 5-17-85 Producing method flowing pumping gas lift Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
25 Bbls	MCF	225 Bbls	CFPB		

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION

open hole perforation other (specify)

PRODUCTION INTERVAL

3805' - 3812'

Dually Completed Commingled

065-01,012-00-01
KOKC

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 Corp.
address 1650 Georgetown Suite 200
City/State/Zip Wichita, KS 67218

Operator Contact Person Vern Brungardt
Phone (316) 681-3601

Contractor: license #
name Golden B Hydra Drilling Co.

Wellsite Geologist None
Phone

PURCHASER Inland Crude
KOKC

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 Cities Service
Well Name #2 Fury
Comp. Date 7-50 Old Total Depth 3812

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
5-22-85 6-1-85 6-15-85
Spud Date Date Reached TD Completion Date
3812
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 240' 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- 065-01-012
County Graham
NW NW NE Sec 20 Twp 9 Rge 21 East
(location) X West
4950
2310 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

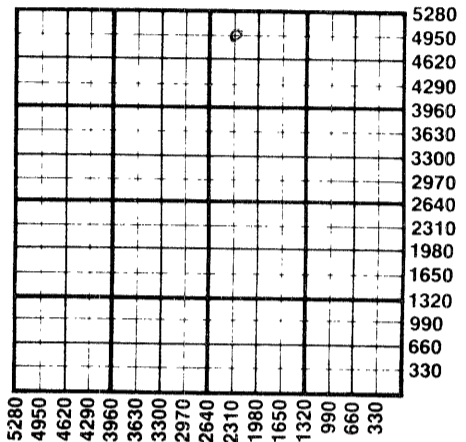
Lease Name Kortan Well# 1

Field Name Morel

Producing Formation Arbuckle

Elevation: Ground 2294 KB None

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 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) Hauled
(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.

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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 Operations Manager Date 11/11/85

Subscribed and sworn to before me this 11 day of November 19 85

Notary Public Vicci L. Robb
Date Commission Expires 8-1-89
VICCI L. ROBB
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-1-89

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)

RECEIVED
STATE CORPORATION COMMISSION
11/13/85

NOV 13 1985

Form ACO-1 (7-84)

Sec. 9 Twp. 9 Rge. 21 W

SIDE TWO

Operator Name Crude Recovery Corp. Lease Name Kortan Well# 1 SEC 20 TWP. 9 RGE. 21 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
 NONE

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	10 3/4	8 5/8		240'			
Production	7 3/4	5 1/2		3805'			
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 <u>2 7/8</u> set at <u>3700'</u> packer at <u>NONE</u>				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
6/15/85							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	45 Bbls	MCF	150 Bbls	CFPB			

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION

open hole perforation
 other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL

3805-3812

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
805 East Murdock, Wichita, Kansas

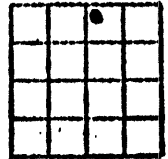
COPY

Company - CITIES SERVICE OIL CO.
Farm - Fury "A" No. 2

SEC. 20 T. 9 R.21W
NW NW NE
330' S and 330' E of N/4 Cor.

Total Depth. 3812
Comm. 6-21-50 Comp. 7-12-50
Shot or Treated.
Contractor. R.W.Rine Drilling Co.
Issued. 9-2-50

County. Graham
KANSAS



Elevation. 2297

Production. D.D. Pot. 2770 B.O.

CASING:
8 5/8" 240' cem w/175 sx.
5 1/2" 3805' cem w/175 sx.

Figures Indicate Bottom of Formations.

clay, sand	180
shale, sand	240
shale, shells	1175
sand, shale, shells	1725
shale	1775
anhydrite	1811
shale, shells	2120
shale, lime	2365
shale, broken lime	2475
lime	2750
lime, shale	3425
lime	3750
lime, shale	3785
lime	3805
3805 RTD = 3805SLM	
lime	3812
Total Depth	

Tops:
Lansing 3500
Eros. Arbuckle 3803
Arbuckle 3804
Penetration 8

Fillup: 320' oil in 15 mins. at 3806
1760' oil in 1 hr. 20 min. 3809
2310' oil in 1 hr. 50 min. 3809
2565' oil in 2 hrs. 20 min. 3809
2720' oil in 2 hrs. 50 min. 3809
2830' oil in 3 hrs. 50 min. 3809

7-11-50 Physical potential 480 oil, no water in 24 hrs.

RECEIVED
STATE CORPORATION COMMISSION

MAY 21 1965

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION

OCT 8 - 1968

CONSERVATION DIVISION
Wichita, Kansas