** AMENDED TO CORRECT PRODUCING FORMATIO

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 6593

Name: Coastal Oil & Gas Corp

Address 9 Greenway Plaza

#2751

City/State/Zip Houston, TX 77046

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KANSAS CORPORATION COMMISSION

Purchaser: COLORADO INTERSTATE GAS CO.

Operator Contact Person: DEBBIE MOORE

AUG 15 1997
8-15-97

Phone (713) 877-7590

Contractor: Name: MURFIN DRILLING

CONSERVATION DIVISION
WICHITA, KS

License: 30606

Wellsite Geologist: WAYNE MAXWELL

Designate Type of Completion

X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.

X Gas ____ ENHR ____ SIGW

____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator:

Well Name:

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD

____ Plug Back ____ PBTD

____ Commingled Docket No. ____

____ Dual Completion Docket No. ____

____ Other (SWD or Inj?) Docket No. ____

10/30/96 — Spud Date
11/09/96 — Date Reached TD
11/18/96 — Completion Date

API NO. 15- 129-214420000

ORIGINAL

County MORTON

____ E

APP . ROX . C . SW Sec. 22 Twp. 32S Rge. 43 X W

1334 Feet from (S) N (circle one) Line of Section

1316 Feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name HANKE Well # 2-22

WILDCAT

**

Producing Formation WABAUNSEE, SHAWNEE, DEERCREEK, LECOMPTON

Elevation: Ground 3606 KB 3619

Total Depth 5250 PBTD 3300

Amount of Surface Pipe Set and Cemented at 1530 Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT 1 JK 8-19-97
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume 280 bbls

Dewatering method used EVAPORATION & BACKFILL

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S Rge. ____ E/W

County ____ Docket No. ____

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Room 2078, Wichita, Kansas 67202-1212, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Deborah Moore

Title REGULATORY ANALYST Date 08/13/97

Subscribed and sworn to before me this 13th day of AUGUST, 1997

Notary Public Janie Dolmage

Date Commission Expires December 16, 2000

JANIE L. DOLMAGE
MY COMMISSION EXPIRES
December 16, 2000

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 (7-91)

SIDE TWO

Operator Name Coastal Oil & Gas Corp. Lease Name Hanke Well # 2-22

Sec. 22 Twp. 32S Rge. 43 ☐ East ☒ West County Morton

JAN 31 97

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests g interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static l hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	☐ Yes	☒ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run:

DIFL/GR/SP/BHC AL/CAL
ZDLC/CN/GR

☒ Log Formation (Top), Depth and Datums ☐ Samp

Name	Top	Datum
Council Grove	2366	+1253
Wabaunsee	2720	+ 899
Shawnee	2946	+ 673
Deer Creek	3092	+ 527
LeCompton	3224	+ 395
Morrow	4642	-1023
Chester	5205	-1586

*

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 Per Additives
Surface	12 1/4"	8 5/8"	24#/ft	1530	Prem. Plus	650	2% CaCl2, 6% gel
~~Surface~~ Production	7 7/8"	5 1/2"	15.5#/ft	3450	Prem. Plus	435	1% CaCl2 6% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 spf	3261-3270; 3238-3246; 3194-3198; 3108-3121; 3096-3104; 3055-3057; 3043-3049; 3030-3036; 3010-3018	1440 bbls 20# cross link gel = 181100#	2724-3057
2 spf	2992-2996; 2963-2970; 2926-2933; 2892-2897; 2881-2886; 2872-2878; 2832-2839; 2812-2815; 2792-2796; 2737-2746; 2724-2728		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3,450'	(N/A)	☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
12/26/96	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravi
		122	10	NA	NA

Disposition of Gas:

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

Production Int 2724'-3270

STATE OF KANSAS – CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM C-5
8-7-58

ORIGINAL

TYPE TEST: ☐ Deliverability ☒ Open Flow TEST DATE: 1-13-97

COMPANY	LEASE	WELL NO.
Coastal Oil & Gas	Hanke	2-22

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Morton		22	32S	42W	

FIELD	RESERVOIR	PIPELINE CONNECTION
Greenwood		CIG

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
	3341	N/A

CASING SIZE	WT.	ID	SET AT	PERF.	TO
5 1/2	17#		3418	3224	3270

TUBING SIZE	WT.	ID.	SET AT	PERF.	TO
2 7/8	6.5		3199		

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TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION	
Single Gas	Formation	

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR PRESS - P_a 14.4 Psia
Casing		

GAS GRAVITY - G_g	% CARBON DIOXIDE	%NITROGEN	API GRAVITY OF LIQUID

VERTICAL DEPTH (H)	TYPE METER CONN.	(METER RUN) (PROVER) SIZE

SHUT-IN PRESSURE: SHUT IN 1-10 19 97 AT 10:00 (AM)(PM) TAKEN 1-13 19 97 AT 10:00 (AM)(PM)
FLOW TEST STARTED: 1-3 19 97 AT 10:00 (AM)(PM) TAKEN 1-10 19 97 AT 10:00 (AM)(PM)
Made 4.0 bbls/Day water-no cond. during test. DURATION OF SHUT-IN 72.0 HR.

OBSERVED DATA

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. (h_w) (h_d)	FLOWING TEMP t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. (P_w)(P_t)(P_c) psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. (P_w)(P_t)(P_c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT IN						42.1	56.5	PUMP		72.0	
FLOW	1.000	7.0	23.0	60		8.0	22.4	PUMP		168.0	4 H_2O

RATE OF FLOW CALCULATIONS

COEFFICIENT (F_b)(F_p) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW R Mcfd	GOR	G_m
5723.0	21.4	22.1855				127.1		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 3.2 $(P_w)^2$ = .5 P_d = 81 % $(P_c - 14.4) + 14.4$ = _____ $(P_d)^2$ = 0.207 $(P_d)^2$ = _____

$(P_c)^2 - (P_a)^2$ OR $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
3.0	2.7	1.1111	0.0457	0.850	0.0388	1.0936	138.9

OPEN FLOW 139 Mcfd @ 14.65 psia DELIVERABILITY Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein, and that said report is true and correct.

Executed this the 13th day of January 19 97

Witness (if any)

Richard Dixon
Hosco Testing & Measurement
For Company

ORIGINAL

STATE OF KANSAS · CORPORATION COMMISSION

FIELD TEST

[ ] Annual [X] New Well [ ] Rework Well

[1][7][4] Operator Code — Coastal Oil & Gas Corp. — Operator Name

[1][3] Purchaser Code — C.I.G. — Purchaser Name

FIELD	Lease Code	
[ ]	Hugoton	[ ][ ][ ][ ][ ]
[X]	Greenwood	[ ][ ][ ][ ][ ] Hanke — Lease Name
[ ]	Panoma	[ ][ ][ ][ ][ ][ ][ ][ ]

Morton — County

____ Acres Well Number 2-22 Sec. [2][2] Twp. [3][2] Range [4][2]

TEST DATA

Well Opened Date [01] - [03] - [97] (month - day - year) Test Completed Date 01 - 15 - 97 (month - day - year)

Type Meter Connection Flange Size Disc 1.900

[2][3].[0][0]	Differential (h) (in water)
[ ][ ][7].[0]	Meter Pressure P_m (psig)
[0][5][7][2][3].[0]	Coeff 24 CM_g
[ ][4][2].[1]	Shut In Well Head Pressure (psig)
[ ][ ][8].[0]	Working Well Head Pressure (psig)
[ ][ ][ ][ ]	N-Slope (Panoma Only)
[6][4][3]	Gravity (Panoma and Greenwood)
__ - __ - __	Effective Date (month - day - year)

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AUG 15 1997
CONSERVATION DIVISION
WICHITA, KS

Richard Dyer — Representative for Operator

By ____ Representative For Kansas Corp. Comm.

SALT WATER PRODUCTION & DISPOSAL DATA

AVERAGE DAILY WATER PRODUCTION (producing days only) [ ][ ][1].[0] bbls.

SALT WATER DISPOSAL

Surface Lease Installation: (Earthen pit ____ Cement pit ____ Tank XXX etc.)

Disposal Well: ____ Location: ____