FORM MUST BE TYPED

COPY

KCC

SIDE ONE

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

MAR 06

CONFIDENTIAL

RELEASED

MAR 06 1995

FROM CONFIDENTIAL

API NO. 15- 171-20,442 27-19-33W

Operator: License # 5886

Name: Chief Drilling, Inc.

Address 120 S. Market, #300

City/State/Zip Wichita, Kansas 67202

Purchaser: Koch

Operator Contact Person: Douglas W. Thimesch

Phone (316) 262-3791

Contractor: Name: Chief Drilling, Inc.

License: 5886

Wellsite Geologist: Wesley D. Hansen

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

RECEIVED
STATE CORPORATION COMMISSION
MAR - 9 1992
CONSERVATION DIVISION

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. ____

12-10-91 Spud Date | 12-21-91 Date Reached TD | 2-18-92 Completion Date

County Scott

SE . SE . NW . ____ Sec. 27 Twp. 19S Rge. 33W ____E ____W

2970 Feet from (S)/N (circle one) Line of Section

2970 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 Vulgamore Well # 1-27

Field Name unnamed

Producing Formation Kansas City

Elevation: Ground 2967 KB 2974

Total Depth 4750' PBTD 4016'

Amount of Surface Pipe Set and Cemented at 242' Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 2190 Feet

If Alternate II completion, cement circulated from 2190

feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan 3-16-92
(Data must be collected from the Reserve Pit)

Chloride content 24 ppm ppm Fluid volume 1,200 bbls

Dewatering method used ____

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

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

County ____ Docket No. ____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, 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 Douglas W. Thimesch

Title Vice President Date 3-4-92

Subscribed and sworn to before me this ____ day of 3-4-92, 19 92.

Notary Public Betty M. Abbott

Date Commission Expires 1-22-95

BETTY M. ABBOTT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 1-22-95

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ____ SWD/Rep ____ NGPA
✓ KGS ____ Plug ✓ Other (Specify) IS

Form ACO-1 (7-91)

W33-19-27

125865

SIDE TWO

Operator Name Chief Drilling, Inc. Lease Name Vulgamore Well # 1-27

Sec. 27 Twp. 19S Rge. 33 ☐ East ☒ West County Scott

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 (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:

Radiation Guard

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

See attached

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#	242'	pozmix	145	2%gel, 3%c.c.
Production	7 7/8	4 1/2		4461'	ASC	150	10bbl. flush

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	4134-39	common	200	no additives
	4139-4296	common	200	no additives

PERFORATION RECORD - Bridge Plugs Set/Type Shots Per Foot Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
4/ft 4270-4277'	500 gal 15% INS
4/ft 4308-4314'	500 gal 15% INS, 1000 gal 15% INS, 100 gal 28% w/400 gal 15% INS, 1100 gal 15% INS, 2500 gal 28% INS.
4/ft 4229-4234'	500 gal 15% INS.
4/ft 4104-4113'	500 gal 15% INS.
4/ft 4048-4052'	500 gal 15% INS
4/ft 3960-3969'	1000 gal 15% INS.

Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
2-18-92				
Estimated Production Per 24 Hours	**Oil Bbls.**	**Gas Mcf**	**Water Bbls.**	**Gas-Oil Ratio**
	50	-0-	30	21

Disposition of Gas: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify) _____

Production Interval _____