

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 # 6600
Name Don Karst Well Service, Inc.
Address Box 1316
City/State/Zip Hays, Kansas 67601

Purchaser FARMLAND

Operator Contact Person Don Karst
Phone 913-628-1125

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist DAVID SCHUMAKER
Phone 913-483-5519

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

10/8/87 10/15/87 11-12-87
Spud Date Date Reached TD Completion Date
3,440' 3015'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 630.95 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set

If alternate 2 completion cement calculated

Date of First Production	Producing Method			
11-12-87	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)			
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio Gravity
8	Bbls	MCF	Bbls	CFPB

API NO. 15-141-20,233

Osborne

County NE/4 NW/4 SE/4 22 10S 15W ☐ East
Sec. Twp. Rge. ☒ West

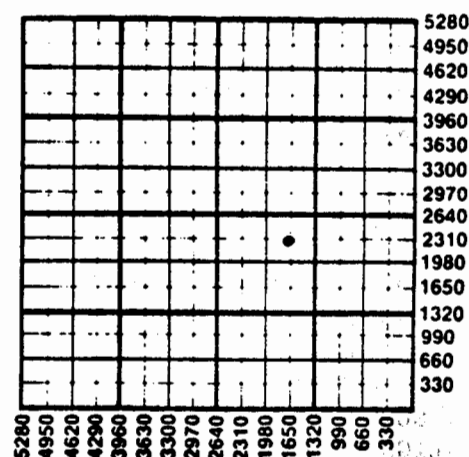
2310 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Koelling Well # 2

Field Name RUGGLES

Producing Formation KC/Toronto/Topeka

Elevation: Ground 1789 KB 1794
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # D-24460 ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #

☐ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☒ Surface Water 1200 Ft North from Southeast Corner
(Stream, pond etc.) 1200 Ft West from Southeast Corner
Sec 25 Twp 10S Rge 15 ☐ East ☒ West
L. H. Koelling, Paradise, Ks.

SIDE TWO

Operator Name Don Karst Well Service, Inc. Lease Name Koelling Well # 70633Sec. 22 Twp. 10S Rge. 15W ☐ East ☒ West County Osborne

METHOD OF COMPLETION

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Conningled

Production Interval

2989-93
3004-07
2933-36
2694-2700Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ NoFormation Description
☒ Log ☐ Sample

Name	Top	Bottom
TOPEKA	2663	(-869)
HEEBNER	2908	(-1114)
TORONTO	2931	(-1137)
LANSING	2959	(-1165)
BASE K.C.	3224	(-1430)
CONGLOMERATE	3322	(-1528)
ARBUCKLE	3384	(-1590)

DST#1--3022-3056 (L/KC)
 TIME: 30-30-30-30
 BLOW: INITIAL-WEAK SLOWLY INCREASING
 FINAL-WEAK STEADY
 RECOVERY: 190' OIL CUT WATERY MUD
 PRESSURES:
 IHMP-1607# IFP-58#-91#
 ISIP-409# FFP-108#-133#
 FSIP-392# BHT-N/A
 FHMP-1591#
 MUD PROPERTIES:
 VISCOSITY-44
 WEIGHT-9.7
 WATER LOSS-11.0 CC

CASING RECORD ☒ New & ☒ Used

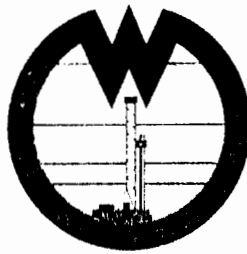
Report all strings set-conductor, surface, intermediate, production, etc.

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#	638'	60/40 Poz	300	3% CC, 2% Gel
Production	7 7/8"	4 1/2"	10.5#	3,439'	60/40 Poz	175	10% Salt, 5% Gilsonite

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2HPF	3035-38, 2694-2700, 3004-07, 3989-93, 2933-36	SQUEEZE WITH 200SX 1000G15%NE&4000G20%@2991-3004 1000G15%NE@2933-36, 1500G15%NE@2694-2700 500G15%NE@3035-38, 1500G15%NE@3264&3005	2980-37

TUBING RECORD Size 2-3/8" Set At 3012' Packer atLiner Run ☐ Yes ☒ No



22-10-15W

WHITE

AND ELLIS DRILLING, Inc.

DRILLERS LOG

OPERATOR: Samson Resources Company, 2 West Second St., Tulsa, OK 74103

CONTRACTOR: White & Ellis Drilling, Inc., 401 E. Douglas, Suite 500,
Wichita, Ks. 67202

Lease Name Koelling Well No. 2
Sec. 22 T. 10 S R. 15 W Spot SW SW NE
County Osborne State Kansas Elevation _____

Casing Record:

Surface: 8 5/8" @ 653' with 300 sx. 3% CC

Production: 5 1/2" @ 3460' with 140 sx.

Type Well: Oil Well Total Depth 3460'

Drilling Commenced 11-4-87 Drilling Completed 11-9-87

Formation	From	To	Tops
Cellar	0	7	
Shale, Lime	7	3460	

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION

NOV 12 1987