

22-40-15W

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 201 E. 29th
City/State/Zip Hays, Kansas 67601

Purchaser Farmland Industries
Coffeyville, KS 67337

Operator Contact Person Don Karst
Phone 913-483-3958

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Dave Schumaker
Phone 913-483-3732

Designate Type of Completion

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

If OWO: old well info as follows:

Operator Lawbanco Drilling Inc.
Well Name 1-C Ruggles
Comp. Date 10-19-84 Old Total Depth 3390

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

....11-10-8511-11-85...12-2-85
Spud Date Date Reached TD Completion Date

...3390 RTD.
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 5.70 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
Cement Company Name
Invoice #

API NO. 15-.....141-20-207A.....
County Osborne
NW SE SE Sec. 22 Twp 10 Rge 15 East
x West

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

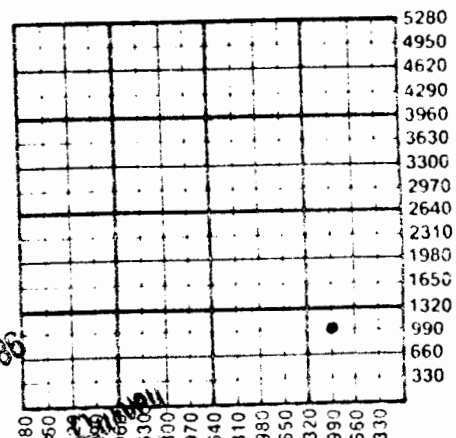
Lease Name Ruggles "OWWO" Well # 2

Field Name Ruggles

Producing Formation Conglomerate-Lansing KC

Elevation: Ground 1797 KB 1802

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: ☐ Disposal
Bucket ☐ 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.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec 22 Twp 10 Rge 15 East x West

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

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	15 Bbls	-- MCF	20 Bbls	CFPB	39.8

SIDE TWO

Operator Name Don Karst Well Service Inc. Lease Name..... Ruggles "OWWO" Well #..2....

Sec.....22..... Twp.....10..... Rge.....15..... ☐ East ☒ West County.....Osborne.....

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

Conglomerate.....

☐ Dually Completed
☒ Commingled

Lansing.....

..... 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 2981-3025
Tool Open: 30-45-45-45
Rec: 80' G/P
95' O & GCM
IFP: 78-68
ISIP: 458
FFP: 87-97
FSIP: 410
BHT: 101
DST #2 3040-75
Tool Open: 30-45-45-45
Rec: 550' Gassy Muddy Wtr.
IFP: 97-175
ISIP: 498
FFP: 214-302
FSIP: 488
BHT: 103

DST #3 3311-42'
Tool Open: 30-45-45-45
Rec: 90' SO&GCM
IFP: 58-58
ISIP: 613
FFP: 78-87
FSIP: 613
BHT: 102

Name	Top	Bottom
Anhydrite	949'	(+853)
Base Anhy	985'	(+817)
Topeka	2672'	(-870)
King Hill Shl.	2782'	(-980)
Guen Hill Shl.	2843'	(-1042)
Heebner	2918'	(-1116)
Toronto	2940'	(-1138)
Lansing	2968'	(-1166)
BKC	3234'	(-1432)
Conglomerate	3330'	(-1530)
RTD	3390'	
LTD	3389'	

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		570	Previously set		
Production	7-7/8	5-1/2	41	3389	50/40POZ	225	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used)

Shots Per Foot	Specify Footage of Each Interval Perforated	Depth
4	3326-281'	3326-281' (2')
1	3014' Limited Entry	3014' (1)
1	3001' Limited Entry	3001' (1)
4	3013-16' 2998-3002'	

TUBING RECORD Size Set At Packer at Liner Run ☐ Yes ☒ No
2-7/8" 3331'

Date of First Production Producing Method
December 2-1985 ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

22-10-15W p

EMPHASIS OIL OPERATIONS A
P. O. Box 506
Russell, KS 67665

DRILLERS LOG

OPERATOR: Don Karst Well Service, Inc.
201 E. 29th
Hays, KS 67601

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Ruggles "OWWO"

WELL #2

LOCATION: NW SE SE
Section 22-10S-15W
Osborne County, Kansas

Rotary Total Depth: 3390'

Elevation:

Commenced: 11/10/85

Completed: 11/11/85

Casing: 8-5/8" previously set @ 570'
5-1/2" @ 3389' w/225 sks cement

Status: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Cement	42'
Drilling mud & cavings	280'
Cement	600'
Mud & Cavings (R.T.D.)	3390'

FEB 24 1986
State Geological Survey
WICHITA BRANCH

STATE OF KANSAS)
COUNTY OF RUSSELL) ss

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

[Handwritten signature]