

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. 9th
City/State/Zip Hays, KS 67601

Purchaser

Operator Contact Person Don Karst
Phone 913-483-3958

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist David M. Shumaker
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 CWNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

9/17/86 9/24/86 9/24/86
Spud Date Date Reached TD Completion Date

3440' PBSD
Total Depth

Amount of Surface Pipe Set and Cemented at 651 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. 15-141-20,228-00-00
County Osborne
100' N of
SE SE NE Sec. 21 Twp 10S Rge 15 West

3070 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

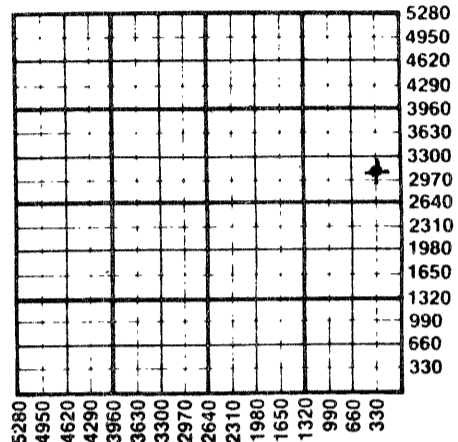
Lease Name Thompson Well #. 1

Field Name

Producing Formation

Elevation: Ground 1805 KB 1810

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # 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 650 Ft North from Southeast Corner (Stream, pond etc) 1100 Ft West from Southeast Corner Sec 22 Twp 10S Rge 15 East West

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

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. Rule 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.

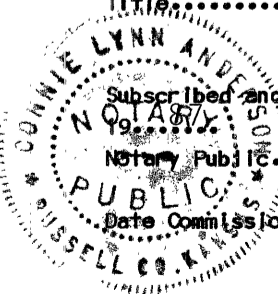
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature *Donald D. Karst*

Title Owner Date 1-2-87

Subscribed and sworn to before me this 2 day of January 1987

Notary Public *Connie Lynn Anderson*
Connie Lynn Anderson
Date Commission Expires 3-29-87



STATE CORPORATION COMMISSION

1-9-87
JAN 9 1987

CONSERVATION DIVISION
Wichita, Kansas

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 (7-84)

Sec. 21 Twp. 10S. Rge. 15W

SIDE TWO

Operator Name Don Karst Well Service, Inc. Lease Name Thompson Well # 1

Sec. 21 Twp. 10S Rge. 15 East West County Osborne

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

DST #1 3000-3080
 Tool Open: 45-45-45-45
 Weak Blow
 Rec: 110' mud
 ISIP: 464
 FSIP: 447
 IFP: 73-89
 FFP: 97-114

Name	Top	Bottom
Anhydrite	+826	
Topeka	-914	
Heebner	-1157	
Toronto	-1181	
LKC	-1210	
BKC	-1472	
Conglomerate	-1576	
RTD	-1630	
LTD	-1635	

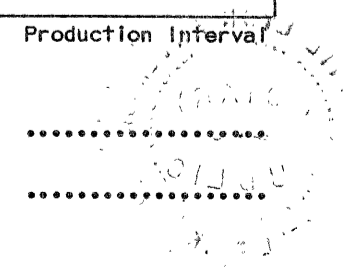
DST #2 3079-3130'
 Tool Open: 45-45-45-45
 Weak blow
 Rec: 210' muddy water
 ISIP: 472
 FSIP: 464
 IFP: 81-97
 FFP: 105-130

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	12-1/4"	8-5/8"	20	651	60/40 port	260	3% C.C. 2% gel
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				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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



COPY

EMPHASIS OIL OPERATIONS

P. O. Box 506
Russell, KS 67665

DRILLERS LOG

OPERATOR: Don Karst Well Service, Inc.
201 E. 9th
Hays, KS 67601

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Thompson

WELL #1

LOCATION: 100' N of SE SE NE
Section 21-10S-15W
Osborne County, Kansas

Rotary Total Depth: 3440'

Elevation: 1810' K.B.

Commenced: 9/17/86

Completed: 9/24/86

Casing: 8-5/8" @ 651' w/260 sks cement

Status: Dry Hole

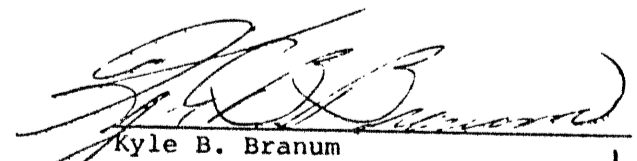
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top soil & Sand	20'	Anhydrite	1019'
Shale	220'	Shale	1590'
Sand	265'	Shale & Lime	2865'
Shale, Sand & Redbed	510'	Lime	3080'
Shale	700'	Lime & Shale	3158'
Redbed & Shale	987'	Lime	3275'
		Lime & Shale (R.T.D.)	3440'

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

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.


Kyle B. Branum


Subscribed and sworn to before me this 29th of September, 1986.

My Commission Expires: July 29, 1989.

PATRICIA L. SCHAWO
NOTARY PUBLIC
STATE OF KANSAS

STATE CORPORATION COMMISSION

1-9-87
JAN 9 1987


Patricia L. Schawo, Notary Public

CONSERVATION DIVISION
Wichita, Kansas