

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

Operator: License # 04555
Name: Roadrunner Energy, Inc.
Address 8310 E. 73rd St., Suite 6
Tulsa, OK 74133-2963
City/State/Zip Tulsa, OK 74133-2963

Purchaser: _____
Operator Contact Person: Larry L. Black
Phone (918) 250-8589
Contractor: Name: Goober Drilling Corp
License: 30386
Wellsite Geologist: Larry L. Black

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
5-15-93 5-25-93 5-26-93
Spud Date Date Reached TD Completion Date

API NO. 15- 191222300000 **ORIGINAL**
County Sumner
-S/2 - SW - SW Sec. 35 Twp. 34S Rge. 1 E
330 Feet from S (circle one) Line of Section
660 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Kopper Well # 1
Field Name Wildcat
Producing Formation Dry & abandoned
Elevation: Ground 1102 KB 1112
Total Depth 4300 PBTB _____
Amount of Surface Pipe Set and Cemented at 260 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cat.
Drilling Fluid Management Plan ACT 1 DSA
(Data must be collected from the Reserve Pit)
Chloride content 3000 ppm Fluid volume 375 bbls
Dewatering method used evaporation
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 James D. Clay Jr
Title President Date 9-10-93
Subscribed and sworn to before me this 10th day of SEPTEMBER
19 93.
Notary Public Sue C. Weidman
Date Commission Expires August 24, 1996

9-27-93
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
STATE CORPORATION COMMISSION
Distribution
 KCC SEP 27 1993 Rep _____ NGPA
KGS _____ Plug _____ Other _____
(Specify)
CONSERVATION DIVISION
Wichita, Kansas

Operator Name Roadrunner Energy, Inc.

Lease Name Kopper

Well # 1

East

County Sumner

Sec. 35 Twp. 34S Rge. 1

West

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

- Array Induction
- Compensated Neutron Density

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Iatan Ls	2732	-1620
Stalnaker sd	2828	-1716
Layton sd	3190	-2078
Checkerboard Ls	3368	-2256
Big Ls	3550	-2436
Miss Chat	3890	-2778
Miss Lime	3922	-2810
Kinderhook Sh	4186	-3074
Woodford Sh	4224	-3112
Simpson (Wilcox sd)	4256	-3144

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	24	260	60/40 poz	175	3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
	D&A			

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION Production Interval
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Sumner Co.

GEOLOGICAL SUMMARY
ROADRUNNER ENERGY, INC.

Kopper No. 1
S/2 SW/4 SW/4 Section 35-T34S-R1W
Sumner County, Kansas

191-22230000

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STATE OF KANSAS

JUN 4 1980

Larry L. Black
Geologist

CONSERVATION DIVISION
Wichita, Kansas

GEOLOGICAL SUMMARY
Roadrunner Energy, Inc.

Kopper No. 1
S/2 SW/4 SW/4 Section 35, T34S-R1W
Sumner County, Kansas

Field: South Haven
Contractor: Goober Drilling Company
Well Site Geologist: Larry L. Black
Well Site Engineer: Wayne M. Baker
Spud Date: May 15, 1993
Completion Date: May 25, 1993
RTD: 4300'
LTD: 4296'
Surface Pipe: 8-5/8", 24# @ 260' w/ 175 Sx. Reg Cement
Elevation: Ground Level: 1102'
Kelly Bushing: 1112'
All measurements from KB
Logs: BPB Logging Services
Array Induction
Compensated Neutron
Compensated Density

Well Status: P & A May 26, 1993

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GENERAL INFORMATION:

- * Samples were taken and examined at 10-foot intervals from 1500 feet to total depth.
- * Drill time was kept from 2000 feet to total depth.
- * Geologist was on location from 1500 feet to total depth.
- * Mud type was chemical gel.
- * Mud-up was at 2500'.

DAILY PENETRATION:

5/16/93	260'	Set surface casing
5/17/93	1770'	
5/18/93	1987'	Twisted off @ 1834'
5/19/93	2579'	Mud up @ 2500; twisted off 2579'
5/20/93	2593'	
5/21/93	2946'	
5/22/93	3612'	
5/23/93	3903'	
5/24/93	4147'	
5/25/93	4302'	
5/25/93	4296'	T.D.
5/26/93	4296'	P & A

BIT RECORD

		<u>IN</u>	<u>OUT:</u>
#1	12 1/4"	0	265'
#2 Reed HP52	7 7/8"	265'	2579'
#3 Reed HP52	7 7/8"	2579'	3903'
#4 Reed HP52	7 7/8"	3903'	4196' TD

FORMATION TOPS:

	<u>LOG</u>	<u>SUBSEA</u>
Iatan Lime	2732'	-1620'
Stalnaker Sand	2828'	-1716'
Osage - Layton	3179'	-2067'
Checkerboard Lime	3366'	-2254'
Big Lime	3552'	-2438'
Mississippi Chat #1	3890'	-2778'
Mississippi Lime #1	3922'	-2810'
Mississippi Chat #2	3954'	-2842'
Mississippi Lime #2	4005'	-2893'
Kinderhook Shale	4186'	-3074'
Woodford Shale	4224'	-3112'
Simpson (Wilcox Sand)	4256'	-3144'
Total Depth	4296'	

DRILL STEM TEST: None

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GEOLOGICAL DISCUSSION OF ZONES OF INTEREST:

Stalnaker Sand 2828'-2930'

A white, fine grained, micaceous and calcareous sandstone. No show of oil or gas. Logs indicated the zone is wet.

Layton Sand: 3190'-3326'

A gray to white, fine to medium grained, slightly calcareous and micaceous sandstone. No show. Logs indicate the zone is wet.

Mississippi Chat: 3890'-3922' and 3954'-4005'

Chalky white, weathered and porous chat with abundant clear to smoky chert. Slight show of oil, dull yellow fluorescence, fair odor, no cut and no appreciable increase in gas. Logs indicate the two chat zones are water wet.

Mississippi Lime: 3922'-3954' and 4005'-4176'

Dense, tan to dark brown limestone with abundant light brown to black chert. Very slight show in the interval 4005'-4015'. Very poor porosity. Non commercial.

Simpson Sand (Wilcox): 4256'- 4292'

The Wilcox is a clear, rounded, medium grained sandstone. No samples were recovered when circulation was lost a few minutes after total depth was reached. Logs indicate porosity ranges up to 12 percent and wet.

DISCUSSION AND RECOMMENDATIONS:

The South Haven Prospect was conceived and drilled on the basis that a 1926 well, located approximately 100 feet from the drill site, was structurally high on the Mississippi Chat level and therefore should be structurally high at the Simpson level. This would possibly extend the South Haven field to the northeast and provide several development locations.

The structural correlation of the Kopper #1 agreed very well with the 1926 well until approximately 100 feet before reaching the Mississippi Chat. The Chat was actually 28 feet lower than reported. When the Simpson was reached the structural position of the well was approximately 30 feet lower than the oil-water contact in the South Haven field.

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After considering all sample shows of oil, the logs indicate all potentially productive zones to be wet. The well was plugged and abandoned.

After re-mapping with the new formation tops, no further activity is planned in the prospect area.

Larry L. Black
Geologist

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