

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

API NO. 15- 153-20,799-00-00 ORIGINAL
County Rawlins
-NW -SW SW Sec. 30 Twp. 1S Rge. 31 X W

Operator: License # 5131

Name: THUNDERBIRD DRILLING, INC.

Address P.O. Box 780407

City/State/Zip Wichita, KS 67278

Purchaser: _____

Operator Contact Person: Burke Krueger

Phone (316.) 685-1441

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Charles W. Aikins, III

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover/Re-Entry: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

3-21-94 3-27-94 APR 21 1994
Spud Date Date Reached TD Completion Date

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

330' 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 Wharman Well # 1

Field Name Wildcat

Producing Formation _____

Elevation: Ground 2894 KB 2899

Total Depth 4120' PBDT _____

Amount of Surface Pipe Set and Cemented at 296.26' 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/ _____ ex ckt.

Drilling Fluid Management Plan D&A JH 8-12-94
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 1750 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

License No. _____

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

County _____ Docket No. _____

RECEIVED
STATE CORPORATION COMMISSION
APR 21 1994

CONSERVATION DIVISION
Wichita, Kansas

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 Burke Krueger

Title Vice President Date 4-20-94

Subscribed and sworn to before me this 20th day of April, 1994.

Notary Public Glenda Funk

Date Commission Expires 4-16-98

GLEENDA FUNK
Notary Public - State of Kansas
My Appt. Expires 4-16-98

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)

Operator Name Thunderbird Drilling, Inc. Lease Name Wahrman Well # 1
 Sec. 30 Twp. 1S Rge. 31 East West
 County Rawlins

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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached

List All E.Logs Run:

RA Guard Log

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#	296.26'	60-40 posmix	190	2%gel 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

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.		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 <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity		

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: _____



Thunderbird Drilling Inc.

7701 EAST KELLOGG, SUITE 780
POST OFFICE BOX 780407
WICHITA, KANSAS 67278-0407
(316) 685-1441

ORIGINAL

DAILY DRILLING REPORT

#1 WAHRMAN
NW SW SW Sec. 30-1S-31W
Rawlins County, KS
Abercrombie RTD-Contractor
Todd Aikins III-Geologist

Elevation: 2899 KB
2894 GL

API# 15-153-20799
00-00

TOPS:	Sample	Log	#1 Wahrman "B"	
			Ref. Well Sample	Log
Anhydrite	2683 + 216	2680 + 219	- 9	-6
B/Anhydrite	2718 + 181	2714 + 185	-10	-6
Topeka	3664 - 765	3660 - 761	-12	-8
Heebner	3829 - 930	3824 - 925	-14	-9
LKC	3859 - 960	3855 - 956	-14	-10
"G" zone	3954 -1055	3954 -1055		-13
"J" zone	4038 -1139	4046 -1147	-11	-19
Stark	4060 -1161	4063 -1164	-13	-16
RTD	4120 -1231	LTD 4119 -1230		

3-22-94 Drilling at 301'. Spud @ 6:15 PM 3-21-94. Set 8 5/8" @ 296' w/190 sx 60-40 poz. Plug down @ 8:15 PM 3-21-94.

3-23-94 Drilling @ 2,451'

3-24-94 Drilling @ 3,575'

3-25-94 DST #1 (LKC "D" zone) 3878-3920. Opn 30-60-45-60. Rec. 691' SW. IFP 68-146, FFP 166-332#. SIP 1141-1141.

3-26-94 DST #2 (LKC G zone) 3922-3970. Open 20-30-0-0. Rec. 120' water. IFP 58-68, SIP 1151

3-27-94 DST #3 (LKC "H" zone) 3970-4010. Opn. 30-30-30-30. Rec. 10' mud. IFP 48-48, FFP 48-48, SIP 1072-1003.

3-28-94 DST #4 (LKC "J" zone) 4010-4050/30-30-0-0. Rec. 10' mud. IFP 38-38, SIP 38, RTD 4120. Log. D&A. Plugged as follows:
1st plug @ 2730' w/25 sx.
2nd plug @ 1980' w/100 sx.
3rd plug @ 345' w/40 sx.
PD @ 7:00 P.M. 3-27-94
State Plugger: Marion Schmidt.

FINAL REPORT

RECEIVED
STATE CORPORATION COMMISSION

APR 21 1994

CONSERVATION DIVISION
Wichita Kansas

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

15-153-20799-00-00

This Was Turn Key

ORIGINAL *CB*

TO: Thunderbird Drilling, Inc.
P. O. Box 97
Ellinwood, KS 67526

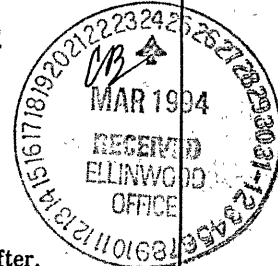
INVOICE NO. 66095
PURCHASE ORDER NO. _____
LEASE NAME Wahrman #1 - *New well set surface pipe*
DATE 3-21-94

SERVICE AND MATERIALS AS FOLLOWS:

Common 114 sks @\$6.85	\$780.90	
Pozmix 76 sks @\$3.00	228.00	
Chloride 6 sks @\$25.00	<u>150.00</u>	\$1,158.90
Handling 190 sks @\$1.00	190.00	
Mileage (25) @\$.04¢ per sk per mi	190.00	
Surface	430.00	
1 plug	42.00	
Mi @\$2.25 pmp trk chg	<u>56.25</u>	908.25
	Total	\$2,067.15

If Account **CURRENT**
Discount of \$ 413.43
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

RECEIVED Thank you!
STATE CORPORATION COMMISSION
4-21-1994
APR 21 1994
CONSERVATION DIVISION
Wichita, Kansas



All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

