

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

Operator: License # 5131

Name: Thunderbird Drilling, Inc.

Address: P. O. Box 780407

Wichita, KS 67278

City/State/Zip _____

Purchaser: N/A

Operator Contact Person: Burke B. Krueger

Phone (316) 685-1441

Contractor: Name: White & Ellis Drilling, Inc.

License: 5420

Wellsite Geologist: Charles W. Aikins, III

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S1OW 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. _____

7-5-94 7-13-94 Dry Hole
Spud Date Date Reached TD Completion Date

API NO. 15- 15-153-20801 00-00

County Rawlins **ORIGINAL**

NW NE NE SE Sec. 36 Twp. 1S Rge. 32 W W ^E

330 Feet from (N) (circle one) Line of Section

990 Feet from (E) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(NE) SE, NW or SW (circle one)

Lease Name Wicke Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 2868 KB 2873

Total Depth 4079 PBTB _____

Amount of Surface Pipe Set and Cemented at 215' @ 222' 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 cmt.

Drilling Fluid Management Plan D&A JWH 12-1-94
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 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 [Signature]

Title Vice President Date 7-19-94

Subscribed and sworn to before me this 19th day of July 19 94.

Notary Public [Signature]

Date Commission Expires 4-16-98

GLENDIA FUNK
Notary Public - State of Kansas
My Appt. Expires 4-16-94

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Thunderbird Drilling, Inc. Lease Name Wicke Well # 1
 Sec. 36 Twp. 1S Rge. 32 East County Rawlins
 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:
 Neutron/Density Porosity Log
 RA Guard Log (Copies attached)

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

CASING RECORD <input type="checkbox"/> New <input checked="" 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 $\frac{1}{4}$	8 5/8"	24#	222'	60-40 Poz	150	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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	

TUBING RECORD Size Set At Packer At Liner Run Yes No

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

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A 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 WICKE
NW NE NE Sec. 36-1S-32W
Rawlins County, KS
White & Ellis Drilling - Contractor
Todd Aikins III, Geologist
Elevation: 2868 GL, 2873 KB

TOPS:		Sample	Log	Ref. Well #1 Wahrman "B"
Anhydrite	2645 + 228	2640 + 233	+3	
B/Anhy	2680 + 193	2674 + 199	+2	
Topeka	3624 - 751	3620 - 747	+2	
Heebner	3786 - 913	3786 - 913	+3	
LKC	3817 - 944	3812 - 939	+2	
TD	4080 -1207	4079 -1206		

7-5-94 Moving in.
Spud @ 8:00 P.M.
Ran 215' of 8 5/8" set @ 222' w/150 sx 60/40, 2% gel, 3% cc.

7-6-94 Drilling @ 223' @ 7:00 AM

7-7-94 Drilling @ 1,980'

7-8-94 Drilling @ 3,160'

7-9-94 Drilling @ 3,715'

7-10-94 DST #1 3780-3830 (LKC "A" zone) 45-45-45-45.
Rec. 150' muddy water. IFP 48-48
FFP 78-78. SIP 1190-731#

7-11-94 Pulling DST #3
DST #2 3830-3880 (LKC "D" zone) 45-45-45-45.
Rec. 10' oil, 65' oil cut muddy water.
IFP 29-29, FFP 48-48, SIP 731-634.

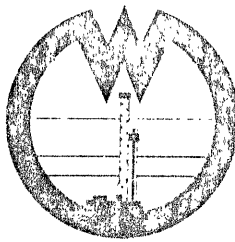
7-12-94 DST #3 3940-3980 ("H" zone) 30-60-45-60.
Rec. 210' muddy water w/few oil specks.
IFP 39-48, FFP 58-87, SIP 1240-1210#
DST #4 3968-4015 ("J" zone) 30-30-30-30.
Rec. 20' oil, 10' oil cut mud.
IFP 19-19, FFP 24-24, SIP 507-488.

7-13 Logged, dry & abandoned, plugged.
25 sx @ 2660, 100 sx @ 2020, 40 sx @
10 sxw/wp @ 40, 15 sx rat hole by Miller,
State plugger Marvin Miller.
FINAL REPORT

RECEIVED
STATE CORPORATION COMMISSION

MAR 22 1994

DIVISION
msas



ORIGINAL

WHITE

AND ELLIS DRILLING, Inc.

DRILLERS LOG

Operator: Thunderbird Drilling, Inc.
P. O. Box 780407
Wichita, KS 67278-0407

Contractor: White & Ellis Drilling, Inc.
P. O. Box 48848
Wichita, KS 67201-8848

Lease Name Wicke Well No. 1
Spot NW NE NE Section 36 Township 1S Range 32W
County Rawlins State Kansas

Casing Record:

Surface: 8 5/8" @ 222' with 150 sx.

Production: _____ @ _____ with _____ sx.

Type Well: _____ Total Depth 4080'

Drilling Commenced: 7-5-94 Drilling Completed: _____

<u>Formation</u>	<u>From</u>	<u>To</u>	<u>Tops</u>	
Cellar	0	5	Anhydrite	2646
Shale	5	1980	Base Anhydrite	2680
Sand & Shale	1980	2500	Topeka	3585
Shale	2500	2681	Kansas City	4015
Shales & Lime	2681	3160		
Shales	3160	3400		
Lime & Shales	3400	4080		

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 22 1994

CONSERVATION DIVISION
WICHITA, KS

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Thunderbird Drilling

INVOICE NO. 66776

P. O. Box 97

PURCHASE ORDER NO. _____

Ellinwood, KS 67526

LEASE NAME Wicke #1

DATE 7-12-94

SERVICE AND MATERIALS AS FOLLOWS:

Common 114 sks @\$6.85	\$780.90
Pozmix 76 sks @\$3.00	228.00
Gel 10 sks @\$9.00	90.00
Floseal 48# @\$1.10	<u>52.80</u>

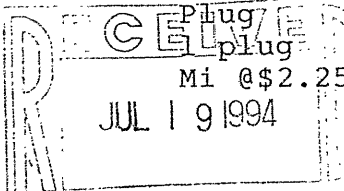
\$1,151.70

Handling 190 sks @\$1.00	190.00
Mileage (25) @\$.04¢ per sk per mi	190.00
Plug plug	430.00
Mi @\$2.25 pmp trk chg	21.00
	<u>56.25</u>

887.25

Total

\$2,038.95



If Account CURRENT a Discount of \$ 407.79 will be Allowed ONLY If Paid Within 30 Days from Date of Invoice.



Thank you!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

DEPTH of Job	Reference	Handing	Mileage	Sub Total	Total
	Pump Truck		25		
	Plug				
	225 Per Mile				
	Sub Total				
	Tax				
	Total				
Remarks:	Mixed 25 sks at 2660'				
	100 sks at 2020'				
	40 sks at 270'				
	10 sks at 40'				
	15 sks in Rat Hole				

RECEIVED CONSERVATION DIVISION WICHITA, KANSAS JUL 22 1994

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

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

INVOICE NO. 66777
PURCHASE ORDER NO. _____
LEASE NAME Wicke #1
DATE 7-5-94

SERVICE AND MATERIALS AS FOLLOWS:

Common 90 sks @\$6.85	\$616.50
Pozmix 60 ssk @\$3.00	180.00
Gel 3 sks @\$9.00	27.00
Chloride 5 sks @\$25.00	125.00
Handling 150 sks @\$1.00	150.00
Mileage (25) @\$.04¢ per sk per mi	150.00
Surface	430.00
Mileage @ \$2.25 pmp trk chg	56.25
1 plug	43.00

\$ 948.50

829.25

Total

\$1,777.75

RECEIVED
JUL 19 1994

If Account CURRENT a
Discount of \$ 355.55
will be Allowed ONLY If
Paid Within 30 Days from
Date of Invoice.



Thank you!

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

DEPTH of Job	Reference	Amount	Description	Amount
		430.00	Surface	430.00
		56.25	Mileage	56.25
		43.00	1 plug	43.00
			Sub Total	529.25
			Tax	
			Total	529.25
Remarks:	Cement Cir			

Handling	150.00
Mileage	150.00
Sub Total	300.00
Total	1248.50

RECEIVED COMMISSION
JUL 22 1994
CONSERVATION DIVISION
Wichita, Kansas