

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: _____

Operator Contact Person: Burke B. Krueger

Phone (316) 685-1441

Contractor: Name: Brandt Drilling Co., Inc.

License: 5040

Wellsite Geologist: Mike Bryan

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W 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. _____

9-25-92 10-6-92 10-6-92
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20860

County Comanche

SW NE SW sec. 9 Twp. 32S Rge. 17 ^E ^W

1650 Feet from S (circle one) Line of Section

1650 Feet from E (circle one) Line of Section

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

Lease Name Hackney "B" Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 2095 KB 2102

Total Depth 5252 PBTB _____

Amount of Surface Pipe Set and Cemented at 8 5/8" @ 610 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 ALT 1-12-92 DAD
(Data must be collected from the Reserve Pit) DJA

Displaced mud system w/chemical gel resulting

in
Chloride content 13,000 ppm Fluid volume 3500 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 Burke B. Krueger

Title Vice President Date 11-5-92

Subscribed and sworn to before me this 5th day of November, 19 92.

Notary Public Glenda Funk

Date Commission Expires 4-16-94

GLEND A FUNK
Notary Public - State of Kansas
My Appt. Expires _____

K.C.C. OFFICE USE ONLY
RECEIVED
F Letter of Confidentiality-Attached
C Wireline Log Received
C Geologist Report Received 11-9-92
Distribution NOV 9 1992
 KCC SWD/Rep KCPA DIVISION
 KGS Plug Other (Specify) _____

Operator Name Thunderbird Drilling, Inc. Lease Name Hackney "B" ? Well # 2
 Sec. 9 Twp. 32S Rge. 17 East West
 County Comanche

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Tops and DST info attached		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E.Logs Run:
 Dual Compensated Porosity Log
 Dual Induction Log
 (Copies enclosed)

CASING RECORD <input checked="" 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		8 5/8"	20#	610	60-40 Poz	375	

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 <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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval _____

HACKNEY "B" #1 Tops

	Sample	Log
LeCompton	4103 -2011	4111 -2019
Heebner	4291 -2189	4295 -2194
Lansing	4465 -2363	4470 -2368
Drum	4680 -2578	4682 -2580
Dennis	4784 -2682	4788 -2686
Swope	4840 -2738	4843 -2741
Hertha	4893 -2791	4897 -2795
Marmaton	4949 -2847	4949 -2847
Pawnee	5040 -2938	5044 -2942
Cherokee Sh	5081 -2979	5084 -2982
Mississippian	5131 -3029	5137 -3035
Warsaw		5140 -3038
RTD	5249 -3147	
LTD		5252

DRILL STEM TESTS

DST #1 5108-5150/30-60-45-90. GTS 5"
 IF GA 16,700 cu ft. 10"
 14,100 cu ft. 20"
 16,700 cu ft. 30"
 FF GA 29400 cu ft. 10"
 16,700 cu ft. 20"
 14,100 cu ft. 30"
 14,100 cu ft. 45"

Rec. 120' GCM (20% gas, 80% mud), 90' SOCGM (20% gas, 5% oil, 75% mud),
 90' G&OCM (20% gas, 20% oil, 60% mud)
 IFP 86-86, FFP 118-118, SIP 1122-1069

DST #2 5150-64/30-30-10-0. Opened tool w/small blow, dead in 22".
 No blow on 2nd opening, flushed tool. No blow. Rec. 60' mud.
 IFP 86-86, FFP 107-107, SIP 1493

DST #3 5164-5186/15-30-10-0. Opened tool w/weak blow, dead in 15 min.
 No blow on 2nd opening. Flushed tool, no blow. Rec. 40' muc.
 IFP 86-86, FFP 107-107, SIP 178.

RECEIVED
 STATE CORPORATION COMMISSION
 11-9-92
 NOV 9 1992
 DIVISION
 INITIAL KPH

15-033-20860-0000

TELEPHONE: 20
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

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

INVOICE NO. 62606
PURCHASE ORDER NO. _____
LEASE NAME Hackney "B" #1
DATE Sept. 25, 1992

1500

SERVICE AND MATERIALS AS FOLLOWS:

Common 225 sks @\$5.50	\$1,237.50	
Pozmix 150 sks @\$2.50	375.00	
Chloride 11 sks @\$21.00	231.00	\$1,843.50
Handling 375 sks @\$1.00	375.00	
Milling (32) @ \$.04¢ per sk per mi	480.00	
Surface	380.00	
Mi @ \$2.00 pmp trk chg	64.00	
15' @ \$.39¢ over 300'	122.85	
plg	42.00	1,463.85
1 8 5/8 Basket-----	\$180.00	180.00

BCP
NOV 11-9-92
CONSERVATION DIVISION
SANDSPRING, KANSAS

STATE OF KANSAS
COMMISSIONER OF REVENUE

115-1300

M.W. 11

Total 403.5
- 775.46
115.11

Cement circulated

Thank you!

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

2789.88

15-033-20860-0000

PHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

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

1500

INVOICE NO. 62674
PURCHASE ORDER NO. _____
LEASE NAME Hackney "B" #1
DATE Oct. 6, 1992

SERVICE AND MATERIALS AS FOLLOWS:

M.O.

Common 99 sks @\$5.50 \$544.50
Pozmix 66 sks @\$2.50 165.00
Gel 10 sks @\$6.75 67.50
\$ 777.00

Handling 165 sks @\$1.00 165.00
Mileage (32) @\$.04¢ per sk per mi 211.20
Rotary Plug 380.00
Mi @\$2.00 pmp trk chg 64.00
1 plug 20.00
840.20

Total \$1,617.20

- 323.44

1293.76

RECEIVED
STATE CORPORATION COMMISSION
NOV 11-9-92
KANSAS

115-101
BOP

Thank you!

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