

ORIGINAL

SIDE ONE

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

City/State/Zip Wichita, KS 67278

Purchaser: _____

Operator Contact Person: Burke B. Kruger

Phone (316) 685-1441

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

12-12-90 12-19-90

Spud Date Date Reached TD Completion Date

API NO. 15- 153-20,766-00-00

County Rawlins

C SW SW Sec. 31 Twp. 1S Rge. 32 East West

660' Ft. North from Southeast Corner of Section

4620' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

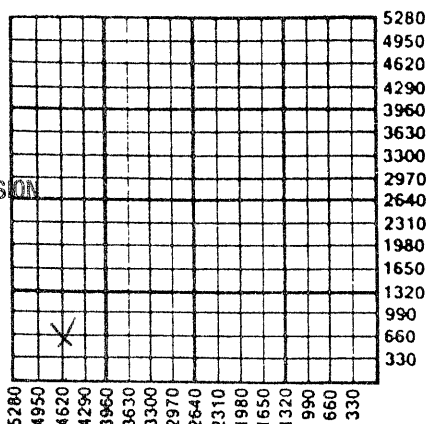
Lease Name Michel Well # 1

Field Name Wildcat

Producing Formation Lansing-KC

Elevation: Ground 3042' KB 3047

Total Depth 4290' PBD _____



AITI DVA

Amount of Surface Pipe Set and Cemented at 333 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

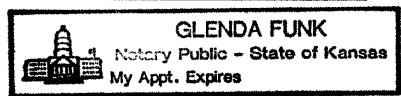
feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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. Kruger
Title Vice President Date 11-11-91

Subscribed and sworn to before me this 11th day of November, 19 91.
Notary Public Glenda Funk
Date Commission Expires 4-16-94



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)

P1

SIDE TWO

Operator Name Thunderbird Drilling, Inc. Lease Name Michel Well # 1

Sec. 31 Twp. 1S Rge. 32 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.)

Formation Description

Log Sample

Name _____ Top _____ Bottom _____

SEE ATTACHED

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"	28#	333'	60-40pozmix	230	3%cc 2%gel

Shots Per Foot	PERFORATION RECORD 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 Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____



ORIGINAL

15-153-20766-00-00

#1 MICHEL
SW SW Sec. 31-1S-32W ^{Colby Tower}
Rawlins County, KS 913-462-7500-8619 Elevation: 3042 GR
Abercrombie Drilling - Contractor ^{RW} 3047 KB
^{Crest Motel} 913-626-3213 Geol: Todd Akins III

TOPS:	Sample	Ref	Log
AN	2859 + 185		2858 + 189
B/AN	2897 + 150		2898 + 149
Tapek	3800-753		3802-755
H6	3982-935		3983-936
LK6	4015-968' + 2'		4016-969
RTD	4290-1243		4290-1243

12/13 Spud 3:45 p.m. 12/12/90. Set 8 5/8" @ 333'
w/230 SX 60-40 poz. P.D. @ 10:00 p.m.
Ø 364'

12/14 Ø 2600

12/15 Ø 3221

12/16 DST #1 (Oread) 3925-3994' / 30.60.45.60
Rel 935' SW. IFP 60-304#, FFP 335-527#.
BHP 1273-1263#

12/17 DST #2 (BEG zone) 4038-4120' / 30.60.45.60
Rel 60' oil, 85" ocm (10% oil) IFP 50-40, FFP
76-81# BHP 846-617#

12/18 DST #3 4118-4220' / 45.45.45.45 (D.E.E zone)
Rel 30' mud w/ few speck oil. IFP 20-20#, FFP
30-30#, BHP 1105-1075#

12/19 RTD 4280' Log, DfA
25# @ 2875'
100 SX @ 2195'
40 SX @ 385'
10 SX @ 40' 60-40 poz

RECEIVED
STATE CORPORATION COMMISSION P.D. @ 7:45 A.M. on 12/16/90

NOV 12 1991

CONSERVATION DIVISION
Wichita, Kansas



HALLIBURTON SERVICES

ORIGINAL
A Halliburton Company
15-153-20766-00-00

INVOICE

INVOICE NO.	DATE
904423	12/19/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
MICHEL 1		RAWLINS		KS	THUNDERBIRD	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN		ABERCROMBIE DRLG.		PLUG TO ABANDON		12/19/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
89807	HAROLD MALEY			COMPANY TRUCK	07199	

THUNDERBIRD DRILLING INC
P.O. BOX 18407 # 780407-226
WICHITA, KS 67218 67278

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	35	MI	2.35	82.25
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	35	MI	.40	14.00
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	370.00	370.00
090-928	MISCELLANEOUS PUMP JOB-ADD HRS	3	HR	84.00	252.00
		1	TRK		
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8	5/8 IN	59.00	59.00
		1	EA		
504-308	STANDARD CEMENT	114	SK	6.75	769.50
506-105	POZMIX A	76	SK	3.50	266.00
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
507-277	HALLIBURTON-GEL ADDED 4%	7	SK	13.75	96.25
507-210	FLOCELE	48	LB	1.30	62.40
500-207	BULK SERVICE CHARGE	207	CFT	1.10	227.70
500-306	MILEAGE CMTG MAT DEL OR RETURN	303.63	TMI	.75	227.72
500-307	MILEAGE SURCHARGE-CEMENT MAT	303.63	TMI	.10	30.36
INVOICE SUBTOTAL					2,457.18
DISCOUNT-(BID)					361.89-
INVOICE BID AMOUNT					2,095.29
*-KANSAS STATE SALES TAX					85.64
*-DECATUR COUNTY SALES TAX					20.16
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,201.09

RECEIVED
STATE CORPORATION COMMISSION

NOV 12 1991

CONSERVATION DIVISION
Wichita, Kansas

BCP