

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

ORIGINAL

API NO. 15- 155-21217 -0000 1-12-93

County Reno

150' E of NW - NW Sec. 4 Twp. 26 Rge. 8 X W

660 Feet from S (circle one) Line of Section

810 Feet from E (circle one) Line of Section

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

Lease Name Thiel Well # 1

Field Name wildcat

Producing Formation Mississippi

Elevation: Ground 1578 KB 1586

Total Depth 4472 PBSD 4236

Amount of Surface Pipe Set and Cemented at 332 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan BLT 1 1-21-93
(Data must be collected from the Reserve Pit)

Chloride content 8000 ppm Fluid volume 230 bbls

Drilling method used haul to swd

Location of fluid disposal if hauled offsite:

Operator Name Gear Petroleum Co., Inc.

Lease Name Rail SWD License No. 5151

NW Quarter Sec. 8 Twp. 30 S Rng. 8 W W

County Kingman Docket No. D7256

Operator: License # 5316

Name: Falcon Exploration, Inc.

Address 155 N. Market, Suite 1010

City/State/Zip Wichita, KS 67202

Purchaser: NCRA

Operator Contact Person: Jim Thatcher

Phone (316.) 265-3351

Contractor: Name: Duke Drilling co., Inc.

License: 5929

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

X Oil _____ SWD _____ SLOW _____ Temp. Abd.
_____ Gas _____ ENHR _____
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well FEB 14 1995

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

09/16/92 09/27/92 01/08/93
Spud Date Date Reached TD Completion Date

FROM CONFIDENTIAL 1-1
ORIGINAL CONFIDENTIAL

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 Jim Thatcher

Title Agent Date 01/11/93

Subscribed and sworn to before me this 11 day of January 19 93.

Notary Public Susan M. Way

Date Commission Expires _____

SUSAN M. WAY
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 10-17-96

RECEIVED

FEB 12 1993

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Logs Received

C Geologist Report Received

Distribution

✓ KCC _____ SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
(Specify)

Operator Name Falcon Exploration, Inc.

Lease Name Thiel

Well # 1

Sec. 4 Twp. 26 Rge. 8

East
 West

County Washoe Reno

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 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	Heebner	3028	-1442
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brown Lime	3210	-1624
List All E.Logs Run:		LKC	3244	-1658
Spectral Density Dual Spaced Neutron		Mississippi	3818	-2232
Dual Induction Laterolog		Kinderhook	3922	-2336
Computer Log		Viola	4145	-2559
		Simpson	4184	-2598
		Arbuckle	4270	-2684

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	12 1/2"	8-5/8"	23	1382'	60/40 poz	225	
production	7-7/8"	5 1/2"	15.5	4280'	60/40 poz	200	

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
4	3825-31	none	

TUBING RECORD	Size <u>2-3/8</u>	Set At <u>3840</u>	Packer At <u>none</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
<u>01/08/93</u>				
Estimated Production Per 24 Hours	Oil <u>25</u> Bbls.	Gas <u>TSTM</u> Mcf	Water <u>0</u> Bbls.	Gas-Oil Ratio <u>38</u> Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<u>3825-31</u>
(If vented, submit ACO-18.)	<input type="checkbox"/> Other (Specify) _____	

FALCON EXPLORATION, INC. - THIEL #1
150' E NW NW Sec. 4-26S-8W
Reno County, Kansas

DST #1 3517-3556', 30/45/45/60. Rec. 60' gas, 30' mud. Flow P 55/55-78/78,
SIP 1373/1108.

DST #2 3819-3830', misrun.

DST #3 3819-3830', 30/45/60/90. Rec. 120' hogcm. Flow P 78/111-122/156,
SIP 1196/1119.

DST #4 3830-3840', 30/45/60/90.. Rec. 10' gmwo, 30' somcw. Flow P 56/66-66/78,
SIP 1031/1163.

DST #5 3840-3854', 30/45/60/90. Rec. 660' g, 60' ocwm, 120' wtr w/tr oil.
Flow P 89/144-189/300, SIP 1274/1296.

RELEASED

FEB 14 1995

FROM CONFIDENTIAL

**JAN 11
CONFIDENTIAL**

ORIGINAL

**RECEIVED
STATE CORPORATION COMMISSION**

JAN 12 1995

**REGISTRATION DIVISION
TOPEKA, Kansas**

HAL BURTON SERVICES
JOB LOG

WELL NO. 1 LEASE THIEL TICKET NO. 25392
 CUSTOMER Falcon Exploration PAGE NO. 1
 JOB TYPE 5 1/2 LONG STR. W DATE _____

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							JOB Ready / Flow Equip
	1105							Called out for SOB
	1200							on location with float pump R.G. Hydr. Down Drill pipe pump truck & pull truck on location out of hole with D.P. START RUNNING 5 1/2 CSC: PT Pump CASING ON BOTTOM 4290'
								RELEASED
	1515							Hook up p/c, circulate w/ pump
	1520							START CIRCULATING WITH PG PUMP
	1521							SHUT DOWN
								FROM CONFIDENTIAL
	1530							DROP PACKER SHUT OFF PUMP
	1531							START CIRCULATING WITH PG PUMP
								SET PACKER SHUT DOWN
								THROUGH SUBMERGED
								Hook up to pump truck
	1537	6.5	5			250'		pump 5 BBL FIRST WATER SPUR
		6.5	10			250'		pump 10 BBL WATER SPUR
		6.5	5			250'		pump 5 BBL WATER SPUR
	1246	8.0				325'		MAX CIRCULATION
			800					THROUGH W/ PUMP
			40					SHUT DOWN
	1600							plug R-11 + M-11 with 20 ST
								WASH OUT pumps & lines
								Release pump
		9.0				200'		START DRIPPING
	1615		1030			1500'		plug Down
								Release float
								float held
								that could pull & release
								THANK YOU
								WOODS
								RECEIVED STATE CORPORATION COMMISSION KURT JAN 12 1993

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STATE CORPORATION COMMISSION
KURT

JAN 12 1993

Oil and Gas Division
Kansas

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Red - KS

BILLED ON TICKET NO. *053885*

WELL DATA

FIELD _____ SEC. *4* TWP. *76* RANG. *8W* COUNTY *RENO* STATE *KS*

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH *334'*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>NEW</i>	<i>330</i>	<i>8 1/4</i>	<i>122</i>	<i>332'</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <i>5-11</i>	<i>2/3</i>	<i>H...</i>
BOTTOM PLUG		
TOP PLUG <i>H...</i>	<i>1</i>	<i>"</i>
HEAD <i>H...</i>	<i>1</i>	<i>"</i>
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>9-16</i>	DATE <i>9-16</i>	DATE <i>9-16</i>	DATE <i>9-16</i>
TIME <i>0710</i>	TIME <i>1100</i>	TIME <i>1310</i>	TIME <i>1415</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>J. K...</i>	<i>2504</i>	<i>Paris, KS</i>
<i>D. K...</i>	<i>127-754</i>	<i>"</i>
<i>H. ...</i>	<i>1502</i>	<i>"</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-AP

DISPL. FLUID _____ DENISTY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT *FROM CONFIDENTIAL*

DESCRIPTION OF JOB *2 1/2" & 1 1/2" L.P.*

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *X*

HALLIBURTON OPERATOR *...* COPIES REQUESTED _____

JAN 1 1995
CONFIDENTIAL

RELEASED

FEB 1 1995

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
	<i>250</i>	<i>4/100 Port</i>	<i>Upwell</i>	<i>B...</i>	<i>32 CC</i>	<i>1.22</i>	<i>14.31</i>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL-GAL. *5* TYPE *5 1/2" 14700*

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. *50.5*

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL. _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET *15* REASON *REQUEST*

REMARKS *See SOB Log*

DATE *1995*

Wichita, Kansas

CUSTOMER _____
LEASE _____
WELL NO. *11*
JOB TYPE _____
DATE *9-16-92*

HALL BURTON SERVICES
JOB LOG

WELL NO. 21 LEASE THREE TICKET NO. 253855
 CUSTOMER FALCON EXPLORATION PAGE NO. _____
 JOB TYPE 2 1/2" SURFACE DATE 9-16-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0740							CAUSED OUT - READER @ 1000
	1100							ON LOG - REC DEPTH 26 - SET UP
	1110							HOLE MADE - CONC = TROP OUT - MOVE SHORT TROP BACK TO Bottom of 3000 feet
	1210							START CEMENT IN HOLE
	1300							CASING IN HOLE - Hook up to Pump Case w/ Rec Pump
	1320	5.0	5.0	✓	✓	50		Pressure 1000
	1323	5.5	30.5	✓	✓			More Cement
	1333					250		Pressure 1000 - Rec Pump
	1336	5.0	20.5	✓	✓	250		Pressure 1000
	1340			✓		250		Pressure 1000 - Casing in Head - Casing Cemented to Surface - WASH UP
	1415							Job Complete

THANKS
[Signature]

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JAN 12 1993

WICHITA DIVISION
Wichita, Kansas