

ORIGINAL

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

Operator: License # 5086

Name: Pintail Petroleum, Ltd.

Address 225 N. Market, Ste. 300

City/State/Zip Wichita, KS 67202

Purchaser: Koch

Operator Contact Person: Innes Phillips

Phone (816) 263-2243

Contractor: Name: Mallard JV

License: 4958

Wellsite Geologist: Beth A. Isern

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas EXHR 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 PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/14/95 11/12/95 4/1/96
Spud Date Date Reached TD Completion Date

APT NO. 15-165-21,684-0000

County Rush

s/2 NE SE Sec. 36 Twp. 19S Rge. 16W

1650 Feet from (circle one) Line of Section

660 Feet from (circle one) Line of Section

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

Lease Name Werhahn Well # 1

Field Name Ryan East

Producing Formation Arbuckle

Elevation: Ground 1975 KB 1980

Total Depth 3735 PBTD _____

Amount of Surface Pipe Set and Cemented at 8-5/8 @636 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 cnt.

Drilling Fluid Management Plan ALT 1 JH 5-2-97
(Data must be collected from the Reserve Pit)

Chloride content 57,000 ppm Fluid volume 300 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 Beth A. Isern

Title Geologist Date 6/6/96

Subscribed and sworn to before me this 10th day of June 19 96.

Notary Public Susan Utterback

Date Commission Expires 9/7/98

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

NOTARY PUBLIC - State of Kansas
SUSAN UTTERBACK
My Appt. Exp. 9/7/98

JUN 13 1996
6-13-96
CONSERVATION DIVISION
WICHITA, KS

Operator Name Pintail Petroleum, Ltd. Lease Name Werhahn Well # 1
 East County Rush
 Sec. 36 Twp. 19S Rge. 16W West

ORIGINAL

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 Datums	<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	Anhydrite	993	+ 987
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/ Anhydrite	1016	+ 964
List All E.Logs Run:		Topeka	3026	-1046
DIL, Comp. Neutron Density, Minilog		Heebner	3280	-1300
Caliper Log-Gamma Ray		Lansing	3366	-1386
		BKC	3590	-1610
		Arbuckle	3624	-1644
		RTD	3735	-1755
		LTD	3722	-1742

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	28#	636.75	60/40poz	325	2%gel, 3%cc
Production	7-7/8	5 1/2"	15.5#	3732	Common	135	5% calseal
					10%salt,	5% FL	additive

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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
2	3686-92, 3701-05, 3708-11	250 gal. 20% HCL
		2750 gals. 20% HCL

TUBING RECORD	Size <u>2-3/8</u>	Set At <u>3712</u>	Packer At	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)			
Estimated Production Per 24 Hours	Oil Bbls. <u>12</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio

Disposition of Gas: Vented Sold Used on Lease

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

Production Interval: _____

Other (Specify) _____

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6-13-96
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

DRILL STEM TEST #1 3592-3665

30", 30", 45", 45"

Recovered: 1400' gas in pipe
120' gas cut mud

IFP 71#-71# FFP 75#-75#
ISIP 112# FSIP 112#
HYD 1990-1968# TEMP 100

15-165-21684-0000

DRILL STEM TEST #2 3666 - 3715

30, 30, 60, 60

1st open: Gauged 13,900 CFGPD to 19,500 CFGPD
2nd open: Gauged 2,800 CFGPD to 0 CFGPD

Recovered; 480 ft total fluid
180 ft gas and oil cut mud
180 ft slight oil and gas cut watery mud
120 ft gas and mud cut water with scum of oil

IFP 78#-78# FFP 133#-182#
ISIP 743# FSIP 705#
HYD 1933#-1890# TEMP 112

DRILL STEM TEST #3 (Straddle Test) 3676 - 3706

30", 45", 45", 30"

1st open: Gauged: 15,000 CFGPD
2nd open: Gauged 11,300 CFGPD to 0 CFGPD in 30"

Recovered: 280 ft total fluid
40 ft gassy mud
120 ft gas and oil cut watery mud
60 ft very slightly oil and gas cut watery mud
60 ft slight oil and gas cut watery mud

IFP 78#-80# FFP 91#-112#
ISIP 776# FSIP 765#
HYD 1944#- TEMP 110

DRILL STEM TEST #4 3713 - 3735

30", 30", 30" 30"

Recovered: 100 ft GIP
150 ft gas and slightly oil cut mud
120 ft gas and slightly oil cut watery mud

IFP 78#-78# FFP 133# - 140#
ISIP 580# FSIP 584#
HYD 1956#-1930# TEMP 110

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 13 1996
6-13-96
CONSERVATION DIVISION
WICHITA, KS

15-165-21684-0000

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

3002

TO: Pintail Petroleum, Inc.
225 N. Market, #300
Wichita, KS 67202

INVOICE NO. 70204
PURCHASE ORDER NO. _____
LEASE NAME Werhahn #1
DATE 11-14-95

SERVICE AND MATERIALS AS FOLLOWS:

Common 195 sks @\$6.10	\$1,189.50	
Pozmix 130 sks @\$3.15	409.50	
GEL 6 sks @\$9.50	57.00	
Chloride 10 sks @\$28.00	<u>280.00</u>	\$1,936.00
Handling 325 sks @\$1.05	341.25	
Mileage (23) @\$.04¢ per sk per mi	299.00	
Surface	445.00	
Extra Footage 336' @\$.41¢	137.76	
Mi @\$2.35 pmp trk chg	54.05	
1 plug	<u>90.00</u>	<u>1,367.06</u>
	Total	<u>\$3,303.06</u>

If Account CURRENT a
Discount of \$ 660.62
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

*Order #62760
\$2642.44
12/15/95
Thank You!*

*Net
2642.44*

3190

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

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 13 1996
6-13-96
CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

485

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Mount Bend
11-15-95

DATE <u>11-14-95</u>	SEC. <u>36</u>	TWP. <u>19</u>	RANGE <u>16</u>	CALLED OUT <u>8:30 AM</u>	ON LOCATION <u>10:30 AM</u>	JOB START <u>2:00 PM</u>	JOB FINISH <u>3:00 PM</u>
LEASE <u>Werhahn</u>	WELL # <u>1</u>	LOCATION <u>Albert 75 tw 35 uis</u>		COUNTY <u>Rush</u>	STATE <u>Ks</u>		

OR (Circle one)

CONTRACTOR Mallard Drilling
 TYPE OF JOB Surface Pipe Job
 HOLE SIZE 18 1/2" T.D. 640 ft
 CASING SIZE 2 3/8" 40g DEPTH 636 ft
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 2000# MINIMUM _____
 MEAS. LINE 621 ft SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 ft
 PERFS. Displacement 38.7 bbl

OWNER Same
 CEMENT
 AMOUNT ORDERED
325 60 32cc 27 gal
 COMMON 195 dx @ 6.10 1189.
 POZMIX 130 dx @ 3.15 409.5
 GEL 6 dx @ 9.50 57.0
 CHLORIDE 10 dx @ 28.00 280.0
 @ _____
 @ _____
 @ _____
 @ _____
 @ _____
 HANDLING 32.5 dx @ 1.05 341.25
 MILEAGE 23 299.0
 TOTAL \$2576.

EQUIPMENT

PUMP TRUCK CEMENTER Mike M.
 # 120 HELPER Duane S.
 BULK TRUCK DRIVER _____
 # _____
 BULK TRUCK DRIVER Burr
 # 261

REMARKS:

SERVICE

Circulate the Hole with Rig
and Pump
Mix Cement Release Plug
Pump Plug Down with water
Cement did Circulate
to Surface

DEPTH OF JOB 636 ft
 PUMP TRUCK CHARGE 0-300' 445.00
 EXTRA FOOTAGE 336' @ .41\$ 137.76
 MILEAGE 23 @ 2.35 54.05
 PLUG 1-8" Rubber Plug @ 90.00 90.00
 @ _____
 @ _____

TOTAL \$726.81

CHARGE TO: Pintail Petroleum Ltd.
 STREET 225 N. Market Suite 300
 CITY wichita STATE Ks. ZIP 67202
316-263-2243

RECEIVED
 KANSAS CORPORATION COMMISSION
6-B-96
 JUN 13 1996

FLOAT EQUIPMENT

CONSERVATION DIVISION @ _____
 WICHITA, KS @ _____
 @ _____
 @ _____
 @ _____

TOTAL _____

TAX -0-
 TOTAL CHARGE \$3303.06
 DISCOUNT \$660.62 IF PAID IN 30 DAYS

Net \$ 2642.44

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Jim Mickel

*Thank you
 Allied Cementing Co. Inc.
 Mike + Duane + Burr*