

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30742  
Name: Palomino Petroleum, Inc.  
Address: 4924 SE 84th St.  
City/State/Zip: Newton, KS 67114-8827  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Klee R. Watchous  
Phone: (316) 799-1000  
Contractor Name: Pickrell Drilling Co., Inc.  
License: 5123  
Wellsite Geologist: Robert A. Schreiber  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows: 4-25-03  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
3/24/03 3/31/03 4/1/03  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 18523182-0000  
County: Stafford  
NE SW NE Sec. 16 Twp. 22 S. R. 12  East  West  
1620 feet from S /  (N) (circle one) Line of Section  
1700 feet from  (E) / W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: Gertrude Willinger Well #: 1  
Field Name: Max  
Producing Formation: Arbuckle  
Elevation: Ground: 1862' Kelly Bushing: 1867'  
Total Depth: 3770' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 371 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.

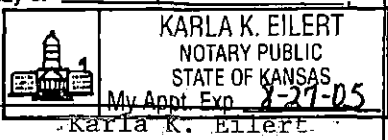
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APR 25 2003  
KCC WICHITA

Drilling Fluid Management Plan PA'd len 5-2-03  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Klee R. Watchous  
Title: President Date: 4-24-03  
Subscribed and sworn to before me this 24th day of April  
~~to~~ 2003:  
Notary Public: Karla K. Eilert  
Date Commission Expires: 8-27-05



**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Palomino Petroleum, Inc. Lease Name: Gertrude Willinger Well #: 1

Sec. 16 Twp. 22 S. R. 12  East  West County: Stafford

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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: Radiation Guard Log

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhy.	655	(+1212)
Base Anhy.	675	(+1192)
Herington	1665	(+ 202)
Winfield	1723	(+ 144)
Towanda	1789	(+ 78)
Ft. Riley	1827	(+ 40)
Blue Springs Shale	1919	(- 52)
Wreford	1976	(- 109)
Speiser Shale	1995	(- 128)
Crouse	2031	(- 164)

**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"	24#	371'	Pozmix	275	60/40 Common 3% cc 2% gel

**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 Enhr.	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, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

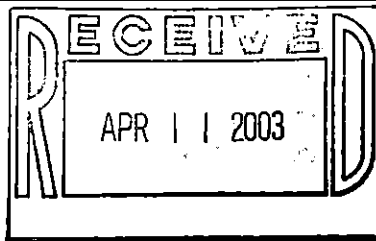
Production Interval  Other (Specify)

ORIGINAL

Neva	2174	(- 307)
Roca Shale	2226	(- 359)
Red Eagle	2257	(- 390)
Admire	2364	(- 497)
Woodsiding	2420	(- 553)
Root Shale	2507	(- 640)
Stotler	2549	(- 682)
Tarkio	2610	(- 743)
Howard	2762	(- 895)
Topeka	2855	(- 988)
Heebner	3150	(-1283)
Toronto	3169	(-1302)
Brown Lime	3282	(-1415)
Lansing	3302	(-1435)
BKC	3535	(-1668)
Viola	3564	(-1697)
Simpson	3614	(-1747)
Arbuckle	3674	(-1807)
LTD	3772	(-1905)

RECEIVED  
APR 25 2003  
KCC WICHITA

ALLIED CEMENTING CO., INC.  
P.O. BOX 31  
RUSSELL, KS 67665  
PH (785) 483-3887  
FAX (785) 483-5566  
FEDERAL TAX ID# 48-0727860



\*\*\*\*\* ORIGINAL \*\*\*\*\*  
\* INVOICE \*  
\*\*\*\*\*

Invoice Number: 089589

Invoice Date: 04/04/03

Sold Palomino Petroleum, Inc.  
To: 4924 SE 84th St.  
Newton, KS  
67114-8827

RECEIVED  
APR 25 2003  
KCC WICHITA

Cust I.D. .... Palo  
P.O. Number... G. Willinger #1  
P.O. Date... 04/04/03

Due Date.: 05/04/03  
Terms....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TY
Common	105.00	SKS	7.1500	750.75	E
Pozmix	70.00	SKS	3.8000	266.00	E
Gel	9.00	SKS	10.0000	90.00	E
Handling	184.00	SKS	1.1500	211.60	E
Mileage (23)	23.00	MILE	9.2000	211.60	E
184 sks @\$ .04 per sk per mi					
Rotary Plug	1.00	JOB	630.0000	630.00	E
Mileage pmp trk	23.00	MILE	3.5000	80.50	E
Wood plug	1.00	EACH	23.0000	23.00	E

All Prices Are Net, Payable 30 Days Following Subtotal: 2263.45  
Date of Invoice. 1 1/2% Charged Thereafter. Tax.....: 0.00  
If Account CURRENT take Discount of \$226.35 Payments: 0.00  
ONLY if paid within 30 days from Invoice Date Total....: 2263.45

# ALLIED CEMENTING CO., INC. ORIGINAL 6141

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:  
Great Bend

DATE <u>4-1-03</u>	SEC. <u>16</u>	TWP. <u>22</u>	RANGE <u>12 W</u>	CALLED OUT <u>3:30 AM</u>	ON LOCATION <u>5:00 AM</u>	JOB START <u>7:00 AM</u>	JOB FINISH <u>10:45 AM</u>
LEASE <u>Williger</u>			WELL # <u>#1</u>	LOCATION <u>K-19 + 281 - Great Bend East</u>		COUNTY <u>Stafford</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)			<u>1 1/2 south - west into</u>				

CONTRACTOR Pickrell  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3770  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Palamino  
 CEMENT AMOUNT ORDERED 175 sk x 20/40 1.7% gel

COMMON	<u>105 sk</u>	@	<u>7.15</u>	<u>750.75</u>
POZMIX	<u>70 sk</u>	@	<u>3.80</u>	<u>266.00</u>
GEL	<u>9 sk</u>	@	<u>10.00</u>	<u>90.00</u>
CHLORIDE		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184 sk</u>	@	<u>1.15</u>	<u>211.60</u>
MILEAGE	<u>184 sk</u>	@	<u>23</u>	<u>4232.00</u>

TOTAL ~~750.75~~  
1529.95

**EQUIPMENT**

PUMP TRUCK CEMENTER Jack  
 # 120 HELPER T.D.  
 BULK TRUCK DRIVER Steve  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>3670'</u>		
PUMP TRUCK CHARGE			<u>630.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>23</u>	@	<u>3.00</u> <u>69.00</u>
PLUG <u>1-8 5/8 wood</u>		@	<u>23.00</u> <u>23.00</u>

TOTAL 733.50

**REMARKS:**

1st plug @ 3670' with 50 sk  
2nd plug @ 670' with 50 sk  
3rd plug @ 400' with 20 sk  
3rd plug @ 40' with 10 sk  
Pathole 10 sk

Thanks

CHARGE TO: Palamino  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

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.

TAX \_\_\_\_\_  
 TOTAL CHARGE 733.50  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Mike Kern

Mike Kern  
 PRINTED NAME

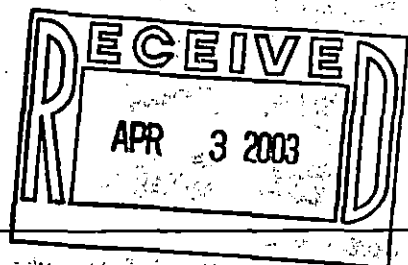
**ALLIED CEMENTING CO., INC.**

PO BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566  
 FEDERAL TAX ID# 48-0727860

\*\*\*\*\*  
 ORIGINAL  
 \*\*\*\*\*

Invoice Number: 089524  
 Invoice Date: 03/27/03

Sold Palomino Petroleum, Inc.  
 To: 4924 SE 84th St.  
 Newton, KS  
 67114-8827



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 APR 25 2003  
 KCC WICHITA

Cust I.D.: Palo  
 P.O. Number: G. Willinger #1  
 P.G. Date: 03/27/03  
 Due Date: 04/26/03  
 Terms: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	275.00	SKS	6.6500	1828.75	E
Gel	5.00	SKS	10.0000	50.00	E
Chloride	8.00	SKS	30.0000	240.00	E
Handling	288.00	SKS	1.1000	316.80	E
Mileage (23)	23.00	MILE	11.5200	264.96	E
288 sks @\$ .04 per sk per mi					
Surface	1.00	JOB	520.0000	520.00	E
Extra Footage	76.00	PER	0.5000	38.00	E
Mileage pmp trk	23.00	MILE	3.0000	69.00	E
TWP	1.00	EACH	45.0000	45.00	E

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter  
 If Account CURRENT take Discount of \$337.26  
 ONLY if paid within 30 days from Invoice Date

Subtotal: 3372.51  
 Tax: 0.00  
 Payments: 0.00  
 Total: 3372.51

# ALLIED CEMENTING CO., INC.

ORIGINAL

15401

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

At Bend

DATE <u>3-24-03</u>	SEC <u>16</u>	TWP. <u>22</u>	RANGE <u>12</u>	CALLED OUT <u>7:00AM</u>	ON LOCATION <u>10:15AM</u>	JOB START <u>11:30AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Wichinger</u>		WELL# <u>1</u>	LOCATION <u>281+K-19 7E, 1/2S, W/into</u>		COUNTY <u>Stafford</u>	STATE <u>Ka</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Puchell #10

TYPE OF JOB Synore

HOLE SIZE 12 1/4 T.D. 376'

CASING SIZE 8 5/8 DEPTH 326'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 23 bbls

OWNER Same

CEMENT AMOUNT ORDERED 275 lbs Common

32cc, 270 lbs

COMMON	<u>275 lb</u>	@	<u>6.65</u>	<u>1828.75</u>
POZMIX		@		
GEL	<u>5 gal</u>	@	<u>10.00</u>	<u>50.00</u>
CHLORIDE	<u>8 gal</u>	@	<u>30.00</u>	<u>240.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>288 gal</u>	@	<u>1.10</u>	<u>316.80</u>
MILEAGE	<u>288 gal</u>	<u>04 23</u>		<u>264.96</u>
				TOTAL <u>2700.51</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

# 181 HELPER Bob B

BULK TRUCK

# 344 DRIVER Steve T

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Ran 376' of 8 5/8" casing. Break circulation

mixed 275 lbs Common 32cc 270 lbs

Released Plug. Displaced with fresh

H<sub>2</sub>O.

Cement did circulate

SERVICE

DEPTH OF JOB 376'

PUMP TRUCK CHARGE 500.00

EXTRA FOOTAGE 76 @ .50 38.00

MILEAGE 23 @ 3.00 69.00

PLUG 1-8 5/8" Trip @ 45.00 45.00

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL 672.00

CHARGE TO: Palomino Petroleum, Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

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.

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE 3372.51

DISCOUNT 337.26 IF PAID IN 30 DAYS

Net 3035.25

SIGNATURE Mike Kern

SIGNATURE Mike Kern

PRINTED NAME \_\_\_\_\_

RECEIVED

APR 25 2003

DRILL-STEM TEST DATA

Well Name <u>Gertrude Willinger</u>	Test No. <u>1</u>
Well Number <u>1</u>	Zone Tested <u>KC</u>
Company <u>Palomino Petroleum Inc.</u>	Date <u>3/29/03</u>
Comp. Rep. <u>R Schreiber</u>	Tester <u>Don Fabricius</u>
Contractor <u>Pickrell Drlg</u>	Ticket No. <u>4086</u>
Location <u>16-22-12</u>	Elevation

KCC WICHITA

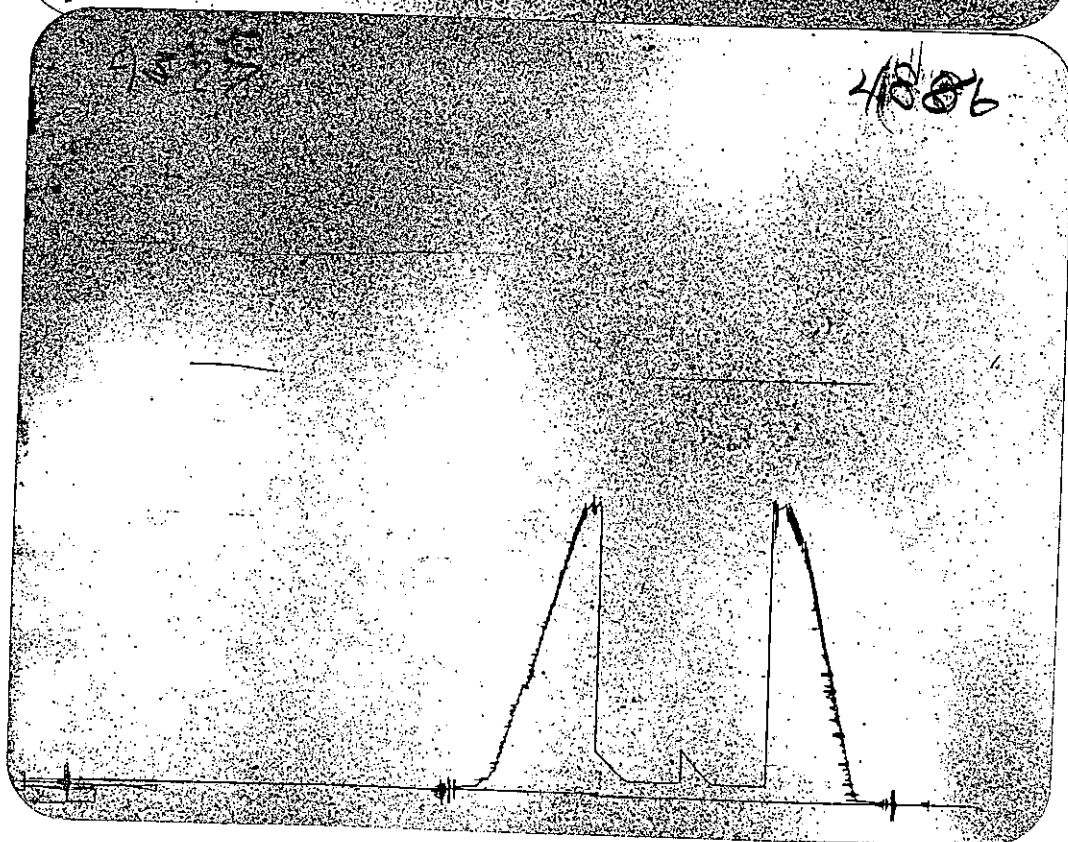
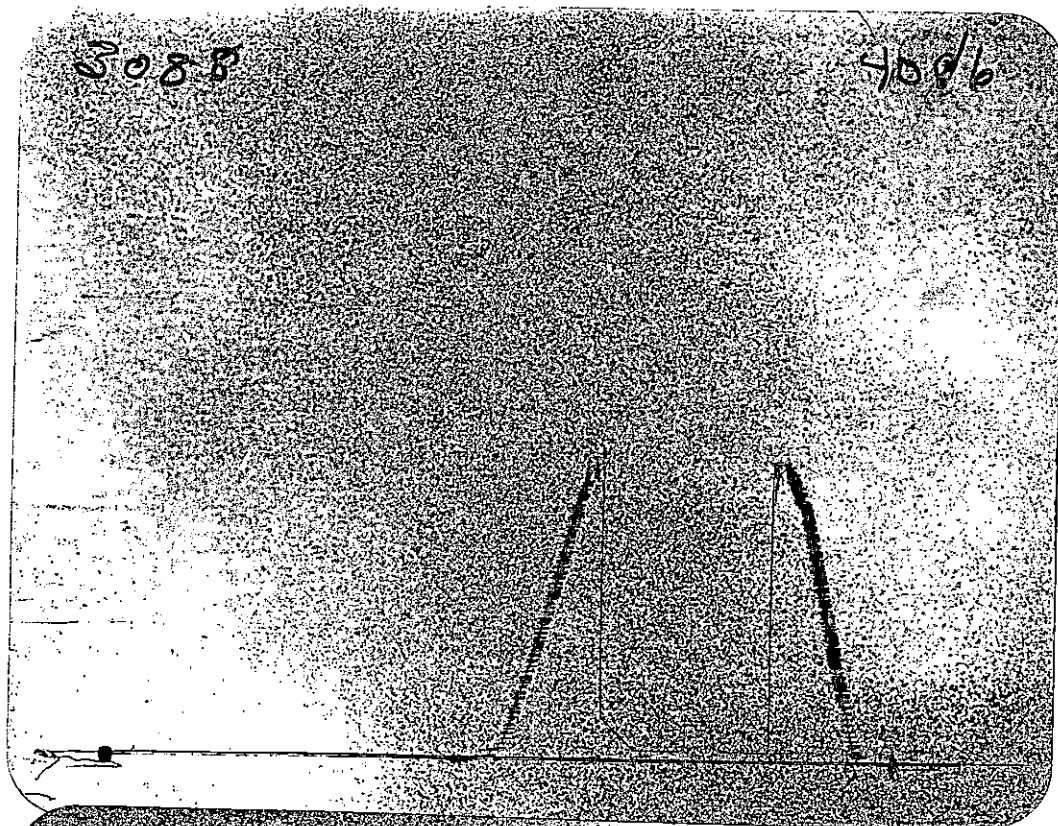
Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12  
 Depth 3454 Depth 3458  
 Initial Hydro Mud Press. 1727 Initial Hydro Mud Press. 1729  
 Initial Shut-in Press. 270 Initial Shut-in Press. 269  
 Initial Flow Press. 47-58 Initial Flow Press. 46-55  
 Final Flow Press. 58-58 Final Flow Press. 58-58  
 Final Shut-in Press. 235 Final Shut-in Press. 234  
 Final Hydro Mud Press. 1727 Final Hydro Mud Press. 1729  
 Temperature \_\_\_\_\_ Tool Open Before I. S. I. 30 Mins.  
 Mud Weight 9.3 Viscosity 55.0 Initial Shut-in 30 Mins.  
 Fluid Loss 8 Flow Period 30 Mins.  
 Interval Tested 3420-62 Final Shut-in 30 Mins.  
 Top Packer Depth 3415 Surface Choke Size 1  
 Bottom Packer Depth 3420 Bottom Choke Size 3/4  
 Total Depth 3462 Main Hole Size 7 7/8  
 Drill Pipe Size 4 1/2 XH Wt. 16.60 Rubber Size 6 3/4  
 Drill Collar I. D. \_\_\_\_\_ Ft. Run \_\_\_\_\_  
 Recovery—Total Feet \_\_\_\_\_  
 Recovered 240 Feet Of Gas in pipe  
 Recovered 70 Feet Of Gas Cut mud  
 Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_  
 Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_  
 Remarks  
Weak building to fair blow thru-test

**THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS:** It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.



ORIGINAL



DRILL-STEM TEST DATA

Well Name	Gertrude Willinger	Test No.	2
Well Number	1	Zone Tested	KC
Company	Palomino Petroleum Inc.	Date	3/30/03
Comp. Rep.	R Schreiber	Tester	Don Fabricius
Contractor	Pickrell Drig	Ticket No.	4087
Location	16-22-12	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12

Depth 3530 Depth 3534

Initial Hydro Mud Press. 1802 Initial Hydro Mud Press. 1810

Initial Shut-in Press. 35 Initial Shut-in Press. 35

Initial Flow Press. 23-23 Initial Flow Press. 23-23

Final Flow Press. 23-23 Final Flow Press. 23-23

Final Shut-in Press. 82 Final Shut-in Press. 82

Final Hydro Mud Press. 1802 Final Hydro Mud Press. 1810

Temperature Tool Open Before I. S. I. 30 Mins.

Mud Weight 9.2 Viscosity 75.0 Initial Shut-in 30 Mins.

Fluid Loss 10.4 Flow Period 30 Mins.

Interval Tested 3463-3538 Final Shut-in 30 Mins.

Top Packer Depth 3458 Surface Choke Size 1

Bottom Packer Depth 3463 Bottom Choke Size 3/4

Total Depth 3538 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 Wt. 16.60 Rubber Size 6 3/4

Drill Collar I. D. Ft. Run

Recovery—Total Feet

Recovered 115 Feet Of Gas in pipe

Recovered 5 Feet Of Mud

Recovered Feet Of

Recovered Feet Of

Remarks

Fair blow thru-test

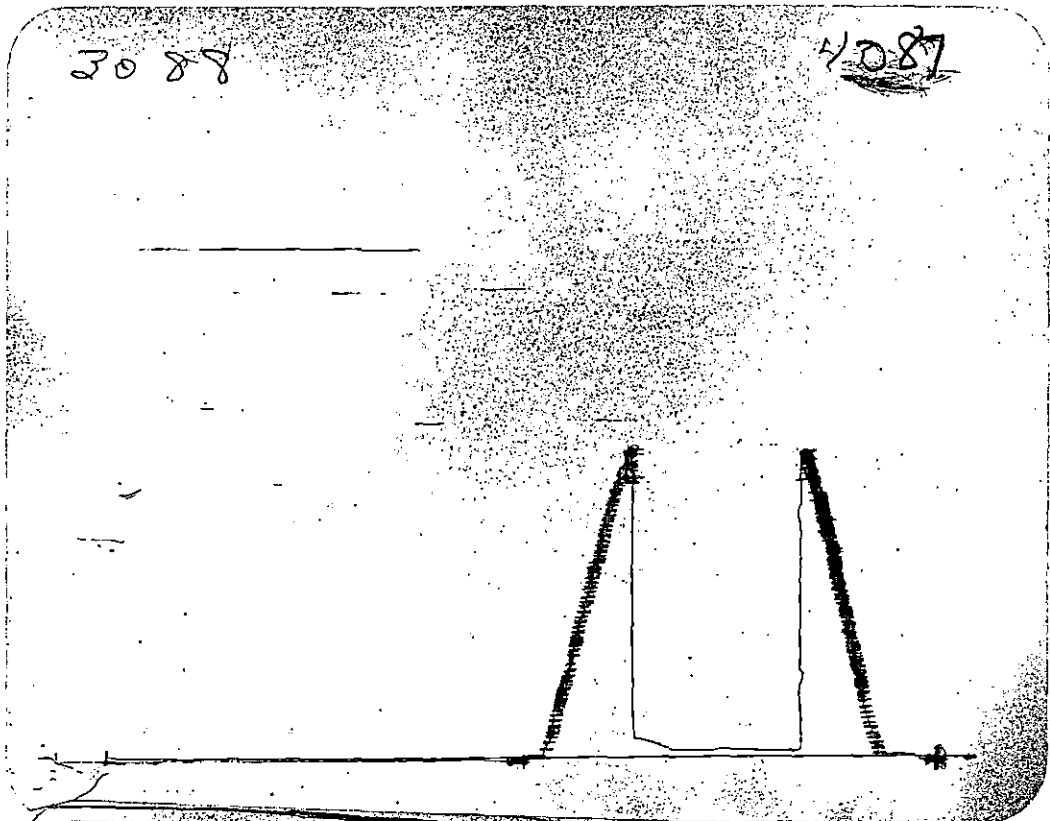
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It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

ORIGINAL

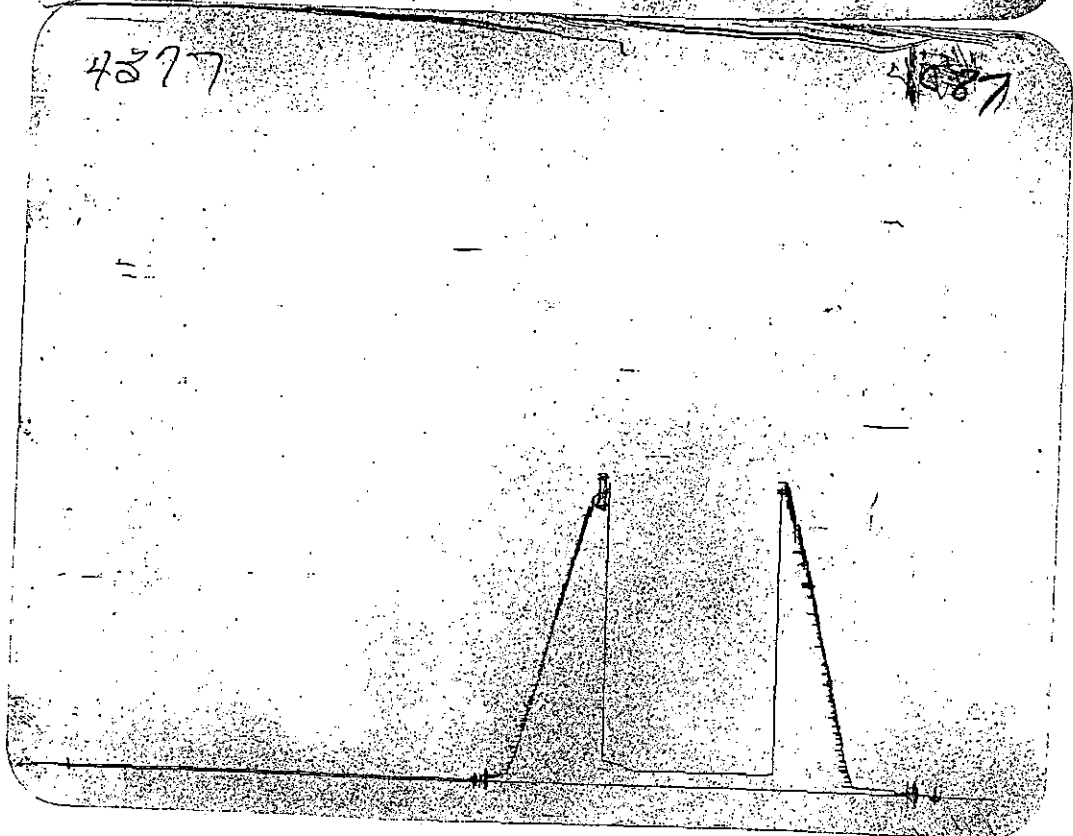
3088

~~4087~~



4377

~~4087~~



APR 25 2003

DRILL-STEM TEST DATA

KCC WICHITA

Well Name	Gertrude Willinger	Test No.	3
Well Number	1	Zone Tested	Arb
Company	Palomino Petroleum Inc.	Date	3/31/03
Comp. Rep.	R Schreiber	Tester	Don Fabricius
Contractor	Pickrell Drlg	Ticket No.	4088
Location	16-22-12	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12

Depth 3669 Depth 3673

Initial Hydro Mud Press. 1842 Initial Hydro Mud Press. 1844

Initial Shut-in Press. 1266 Initial Shut-in Press. 1272

Initial Flow Press. 82-317 Initial Flow Press. 82-316

Final Flow Press. 353-530 Final Flow Press. 352-528

Final Shut-in Press. 1255 Final Shut-in Press. 1260

Final Hydro Mud Press. 1842 Final Hydro Mud Press. 1844

Temperature \_\_\_\_\_ Tool Open Before I. S. I. 30 Mins.

Mud Weight 9.2 Viscosity 75.0 Initial Shut-in 30 Mins.

Fluid Loss 10.4 Flow Period 30 Mins.

Interval Tested 3607-77 Final Shut-in 30 Mins.

Top Packer Depth 3602 Surface Choke Size 1

Bottom Packer Depth 3607 Bottom Choke Size 3/4

Total Depth 3677 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 Wt. 16.60 Rubber Size 6 3/4

Drill Collar I. D. \_\_\_\_\_ Ft. Run \_\_\_\_\_

Recovery—Total Feet \_\_\_\_\_

Recovered 150 Feet Of Gas in pipe

Recovered 1130 Feet Of Very Slightly oil cut muddy water

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Remarks Strong blow thru-test

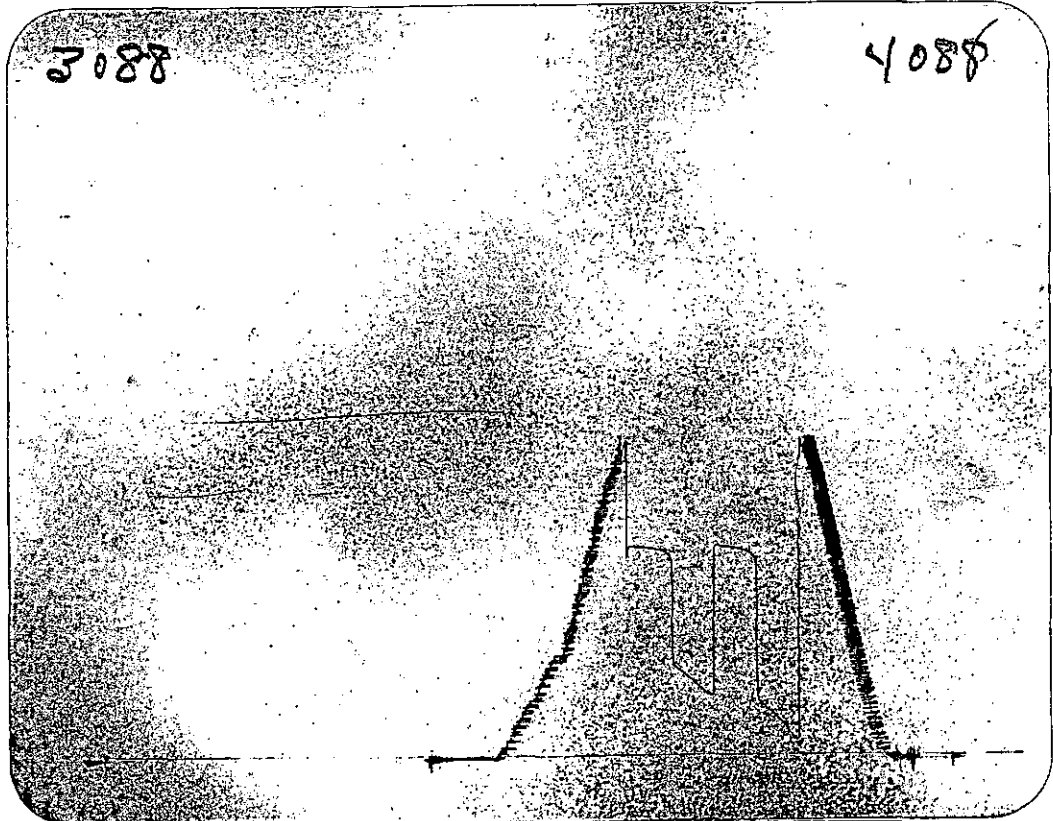
**THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS:** It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

ORIGINAL

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