

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 33184
Name: PATINA OIL & GAS CORPORATION
Address: RT 3 BOX 203
City/State/Zip: DUNCAN, OK 73533
Purchaser: DUKE ENERGY
Operator Contact Person: JOYCE WILLIAMS
Phone: (580) 444-3408
Contractor: Name: CHEYENNE DRILLING
License: 5382
Wellsite Geologist: NONE

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:

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. _____

<u>06/24/03</u>	<u>07/03/03</u>	<u>07/11/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

15-175-21893-0000 ORIGINAL
API No: ~~15-21893-00-00~~
County: SEWARD
____ S/2 ____ SW ____ SW Sec. 14 Twp. 34 S. R. 31 East West
330 feet from (S) N (circle one) Line of Section
700 feet from E (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: KEATING Well #: 2-14
Field Name: ARAKALON
Producing Formation: MORROW/CHESTER
Elevation: Ground: 2484 Kelly Bushing: 2494
Total Depth: 6040' Plug Back Total Depth: 5998'
Amount of Surface Pipe Set and Cemented at 1469' 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 MC 1 2 3-17-04
(Data must be collected from the Reserve Pit)
Chloride content 1400 ppm Fluid volume 7105 bbls
Dewatering method used EVAPORATION
Location of fluid disposal if hauled offsite:
Operator Name: Nichols Fluid Service
Lease Name: Morlen #1-16 License No.: 31983
Quarter 16 Sec. _____ Twp. 32 S. R. _____ East West
County: Seward Docket No.: D-25-529


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: Joyce Williams
Title: ENGINEERING TECHNICIAN Date: JANUARY 29, 2004

Subscribed and sworn to before me this 30th day of January

20 04
Notary Public: Kimberly A Rowell

 KIMBERLY A. ROWELL 2/11/06
Stephens County
Notary Public in and for
State of Oklahoma
Commission # 02002293 Expires 2/11/06

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: PATINA OIL & GAS CORPORATION Lease Name: KEATING Well #: 2-14
 Sec. 14 Twp. 34 S. R. 31 East West County: SEWARD

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: COMPENSATED NEUTRON/ GR LITHO-DENSITY/ MICROLOG ARRAY INDUCTION/SP	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>CHESTER</td> <td>5692'</td> <td></td> </tr> <tr> <td>L MORROW</td> <td>5628'</td> <td></td> </tr> <tr> <td>U MORROW</td> <td>5580'</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5112'</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4987'</td> <td></td> </tr> </table>	Name	Top	Datum	CHESTER	5692'		L MORROW	5628'		U MORROW	5580'		CHEROKEE	5112'		MARMATON	4987'	
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CHESTER	5692'																		
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MARMATON	4987'																		

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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"	24#	1469'	HCL PREMIUM	580	3% CC, 1/4LB/SK FLOCELE
						150	2% CC, 1/4#/SK FLOCELE
PRODUCTION	7 7/8"	5 1/2"	15 1/2"	6040'	CLASS H	360	.9% VERASET, 5% KCL, .5% HALAD32

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 <i>(Amount and Kind of Material Used)</i>	
			Depth
2	5930'-5935'	11,250 GAL 15% NEFE GELLED HCL ACID	5930'
2	5902'-5888'	84,000 GAL 4% KCL SLICKWATER	
2	5840'-5837'	23,000# 20/40 OTTAWA SAND	
2	5728'-5714'		
2	5706'-5692'		5692'

TUBING RECORD	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8" 5998'		

Date of First, Resumerd Production, SWD or Enhr. 07/29/2003	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3	1532	78		

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION

Production Interval Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

HALLIBURTON JOB SUMMARY

REGION Central Operations	NWA / COUNTRY Mid Contitnent/USA	SALES ORDER NUMBER 2520454	TICKET DATE 06/25/03
MBU ID / EMPL # MCL10101 106322	H.E.S EMPLOYEE NAME Danny McLane	BDA / STATE MC/Ks	COUNTY SEWARD
LOCATION LIBERAL	COMPANY CHEYENNE DRILLING	PSL DEPARTMENT Cement	ORIGINAL
TICKET AMOUNT \$9,500.16	WELL TYPE 01 Oil	CUSTOMER REP / PHONE MIKE COLANTONIO 620-271-4024	
WELL LOCATION E/Liberal,Ks	DEPARTMENT Cement	SAP BOMB NUMBER 7521	Cement Surface Casing
LEASE NAME KEATING	Well No. 2-14	SEC / TWP / RNG 14 - 34S - 31W	HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HR	HR	HR
McLane, D 106322	8.0		
Lemieux, M 266575	8.0		
Burrows, R 273921	4.5		
De la torre, A 259520	4.5		

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES
420995	20		
10251401	20		
10011406 10011272	40		
10010748 10011677	40		

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Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	6/24/2003	6/25/2003	6/25/2003	6/25/2003
Time	2330	0100	0600	0830

Type and Size	Qty	Make
Insert 8 5/8	1	H
Float Shoe		
Centralizers 8 5/8	5	O
Top Plug 8 5/8	1	
HEAD 8 5/8	1	W
Limit clamp		
Weld-A	1	C
Guide Shoe		
BTM PLUG		O

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24#	8 5/8		0	1,484	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4				
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials

Mud Type _____ Density _____ Lb/Gal _____
 Disp. Fluid _____ Density _____ Lb/Gal _____
 Prop. Type _____ Size _____ Lb _____
 Prop. Type _____ Size _____ Lb _____
 Acid Type _____ Gal. _____ % _____
 Acid Type _____ Gal. _____ % _____
 Surfactant _____ Gal. _____ In _____
 NE Agent _____ Gal. _____ In _____
 Fluid Loss _____ Gal/Lb _____ In _____
 Gelling Agent _____ Gal/Lb _____ In _____
 Fric. Red. _____ Gal/Lb _____ In _____
 Breaker _____ Gal/Lb _____ In _____
 Blocking Agent _____ Gal/Lb _____
 Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____
 Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/25	8.0	6/25	2.0	Cement Surface Casing
Total	8.0	Total	2.0	

Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet 46.6	Cement Left in Pipe Reason _____	SHOE JOINT

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	580	HLC PP C	Bulk	3% CC - 1/4# FLOCELE	11.60	2.05	12.30
2	150	PREM PLUS C	Bulk	2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Summary

Circulating Breakdown _____ Displacement _____
 Lost Returns _____ Lost Returns _____
 Cmt Rtn#Bbl _____ Actual TOC _____
 Average _____ Frac. Gradient _____
 Shut In: Instant _____ 5 Min. _____ 15 Min. _____

Preflush: BBI **5.00**
 Load & Bkdn: Gal - BBI _____
 Excess /Return BBI _____
 Calc. TOC: _____
 Treatment: Gal - BBI _____
 Cement Slurry BBI _____
 Total Volume BBI **211.5, 35.5**
 #VALUE!

Type: **fresh water**
 Pad:Bbl -Gal _____
 Calc. Disp Bbl _____
 Actual Disp. **91.4**
 Disp:Bbl **91.5**

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

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HALLIBURTON JOB LOG		WB	TICKET # 2520454	TICKET DATE 06/25/03
REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY SEWARD	
MBU ID / EMPL # MCLI0101 106322	H.E.S EMPLOYEE NAME Danny McLane	PSL DEPARTMENT Cement		
LOCATION LIBERAL	COMPANY CHEYENNE DRILLING	CUSTOMER REP / PHONE MIKE COLANTONIO 620-271-4024		
TICKET AMOUNT \$9,500.16	WELL TYPE 01 Oil	API/UWI #		
WELL LOCATION E/Liberal,Ks	DEPARTMENT Cement	JOB PURPOSE CODE Cement Surface Casing		
LEASE NAME KEATING	Well No. 2-14	SEC / TWP / RNG 14 - 34S - 31W	HES FACILITY (CLOSEST TO WELL S) Liberal Ks	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
McLane, D 106322	8						
Lemieux, M 266575	8						
Burrows, R 273921	4.5						
De la torre, A 259520	4.5						

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)			Job Description / Remarks
				Rate N2	CSG.	Tbg	
6-24-03	2330						Called for job
	0030						Hold pre trip safety meeting
	0100						On location do job site assessment. Bring Halliburton truck on location. Rig on bottom circulating hole
	0110						Hold safety meeting with driver
	0215						Rig tripping out drill pipe
	0410						Drill pipe out of hole
	0415						Hold safety meeting and rig up casing crew
	0420						Start running 8 5/8 casing and float equipment.
	0430						Bulk trucks on location
	0553						Casing on bottom
	0555						Hook up plug container and circulating hose
	0557						Start mud pump to break out fill tube
	0600						Got mud returns and rig down casing crew
	0602						Hold safety meeting with rig crew
	0607						Through circulating with rig pump
	0609						Hook up to Halliburton
	0610						Job procedure for 8 5/8 surface pipe
	0610				0/2000		Pressure test lines
	0611	2.0	5.0		0/75		Start fresh water ahead
	0613	6.0	211.5		75/160		Start 580 sks lead cement @ 12.3 #/gal
	0634	3.0			80/40		Slow down rate
	0707	3.0	35.5		55		Start 150 sks tail cement @ 14.8 #/gal
	0719						Through mixing cement
	0721						Shut down and release top plug
	0722	3.0	91.5		0/60		Start fresh water displacement
	0736				60/120		Displacement caught cement
	0753	1.5			350/300		Slow down rate
	0806				410/1000		Plug landed and pressure up casing
	0807				1000/0		Release pressure
							Circulated 20 Bbls to pit

DRILLER'S LOG

ORIGINAL

PATINA OIL & GAS, INC.
KEATING 2-14
SECTION 14-T34S-R31W
SEWARD COUNTY, KANSAS

COMMENCED: 06-24-03
COMPLETED: 07-03-03

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SURFACE CASING: 1468' OF 8 5/8" CMTD
W/580 SKS HLC PREMIUM PLUC C + 3%
CC+ 1/4#/SK FLOCELE. TAILED W/150 SKS
PREMIUM PLUS C + 2% CC + 1/4#/SK
FLOCELE.

FORMATION	DEPTH
SURFACE HOLE	0- 1470
RED BED	1470 - 2010
STONE CORRAL	2010 - 2375
ANHYDRITE	2375 - 3030
COUNCIL GROVE	3030 - 3255
LIMESTONE & SHALE	3255 - 3693
HEBNER	3693 - 3930
LIMESTONE & SHALE	3930 - 4505
LANSING	4505 - 4670
KANSAS CITY	4670 - 4695
LIMESTONE & SHALE	4695 - 4917
KANSAS CITY	4917 - 5035
LIMESTONE & SHALE	5035 - 5330
CHEROKEE	5330 - 5416
ATOKA	5416 - 5495
LIMESTONE & SHALE	5495 - 5884
CHESTER	5884 - 5988
LIMESTONE & SHALE	5988 - 6040 RTD

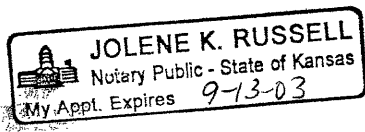
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

Wray Valentine
WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9TH DAY OF JULY, 2003.



JOLENE K. RUSSELL
Jolene K. Russell
NOTARY PUBLIC