

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

API NO. 15- 175-21916-00-00

County Seward

NE - NE - SW - SE Sec. 20 Twp. 33S Rge. 31 X ^E/_W

1250 Feet from S (circle one) Line of Section

1500 Feet from E (circle one) Line of Section

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

Lease Name Hillary Well # 2-20

Field Name _____

Producing Formation Krider (Chase)

Elevation: Ground 2748 KB 2754

Total Depth 2755 PBTD _____

Amount of Surface Pipe Set and Cemented at 614 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 cmt.

Drilling Fluid Management Plan ALT I WITHIN 3-19-07
(Data must be collected from the Reserve Pit)

Chloride content 1700 ppm Fluid volume 218 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. _____

Operator: License # 08967

Name: Barbour Energy Corporation

Address P.O. Box 13480

City/State/Zip Okla. City, OK 73113

Purchaser: Duke Energy Field Services

Operator Contact Person: J. Wayne Barbour

Phone (405) 848-7671

Contractor: Name: Cheyenne Drilling Inc.

License: 5382

Wellsite Geologist: Greg Franklin

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ SIGW _____ Temp. Abd.

X Gas _____ ENHR _____ SIGW _____

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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. _____

01/31/04 02/01/04 02/17/04

Spud Date Date Reached TD Completion Date

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 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 J. Wayne Barbour

Title J. Wayne Barbour, President Date 3/1/04

Subscribed and sworn to before me this 1 day of March, 2004, 12x _____.

Notary Public: Marilyn J. Damon

Date Commission Expires 03/15/04

RECEIVED

MAR 03 2004

KCC WICHITA

K.C.C. OFFICE USE ONLY		
F	<u>X</u>	Letter of Confidentiality Attached
C	<u>X</u>	Wireline Log Received
C	<u>X</u>	Geologist Report Received
Distribution		
_____	KCC	_____ SWD/Rep
_____	KGS	_____ Plug
_____		_____ NGPA
_____		_____ Other
(Specify)		

ORIGINAL

SIDE TWO

Operator Name Barbour Energy Corporation

Lease Name Hillary

Well # 2-20

Sec. 20 Twp. 33S Rge.

East

County Seward

West

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.)

List All E.Logs Run:

Cased Hole Logs

Gamma Ray Collar Locator/Bond Log

Gamma Ray/Neutron Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Base Wellington Anhydrite	2600	+154
T/U Krider	2618	+138
T/L Krider	2664	+ 90

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# J-55	613'	Class A	200	3% CaCl & 1/4# pr sx flo-seal
Production	7 7/8"	5 1/2"	14# K-55	2750'	AMD & ASC	350	5# per sx koal-seal

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
2 SPF	2622'-2643'	18,000 gal 70Q 20% NE, FE, HCl	2622
2 SPF	2665'-2681'	18,000 gal 70Q 20% NE, FE, HCl	2681

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2693'	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 02/19/04 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	165	36		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____

GREG FRANKLIN ORIGINAL
PETROLEUM GEOLOGIST

7100 N. CLASSEN BLVD., BLDG #100
OKLAHOMA CITY, OKLAHOMA 73116

405/858-0968
FAX 405/840-3983

GEOLOGICAL REPORT

Hillary #2-20
1250' FSL, 1250' FEL
Section 20-33S-31W
Seward County, KS

The Hillary #2-20 was drilled to a total depth of 2755 feet. Two productive intervals were encountered and will be described below:

Upper Krider. The top of the Upper Krider was encountered at 2598 feet. We drilled 22 feet of Dolomite that had good rhomb development and good visible porosity (see Mud Log for sample description). The samples also had blue white fluorescence with no cut. We also had a 70 unit show from the gas detector. Recommended perforations will be picked after running cased hole logs. Open hole logs were not run due to a bridge in the Wellington anhydrite.

Lower Krider. The top of the Lower Krider was encountered at 2630 feet. We drilled 26 feet of Dolomite that had good visible porosity and white fluorescence with no cut (see Mud Log for sample description). We had 110 unit show from the gas detector. Recommend perforations as above.

The Hillary #2-20 came in structurally 9 feet low to the Hillary #1 on top of the Upper Krider.

Respectfully submitted,

Greg Franklin
Petroleum Geologist

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MAR 03 2004
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ORIGINAL

DRILLER'S LOG

BARBOUR ENERGY CORPORATION
HILLARY #2
SECTION 20-T33S-R31W
SEWARD COUNTY, KANSAS

COMMENCED: 01-20-04
COMPLETED: 02-01-04

SURFACE CASING: 613' OF 8 5/8" CMTD
W/200 SKS 65:35 + 3%CC + 1/4#/SK FLOCELE.
TAILED W/100 SKS CLASS A + 3% CC + 2%
GEL TOPPED W/100 SKS CLASS A + 3% CC +
2% GEL.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 614
RED BED & SANDSTONE	614 - 1457
RED BED	1457 - 2405
LIMESTONE & SHALE	2405 - 2755 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

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 2ND DAY OF FEBRUARY, 2004..

JOLENE K. RUSSELL


NOTARY PUBLIC

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ALLIED CEMENTING CO., INC. 14310

Federal Tax I.D.# 48-0727860

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

SERVICE POINT: Oakley

DATE <u>2/1/04</u>	SEC. <u>20</u>	TWP. <u>33S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>1:00 AM</u>	JOB START <u>2:40 PM</u>	JOB FINISH <u>3:45 PM</u>
LEASE <u>Hillary</u>		WELL# <u>2-20</u>		LOCATION <u>Kismet 2 1/2 S 1W 3/4 S W/5</u>		COUNTY <u>Seward</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Cheyenne #11
 TYPE OF JOB Cmt 5 1/2 Prod. Csg
 HOLE SIZE 7 1/8 T.D. 2755
 CASING SIZE 5 1/2 14# DEPTH 2753
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1000 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT 33
 CEMENT LEFT IN CSG. 33
 PERFS. _____
 DISPLACEMENT 66.37

OWNER Sam
CEMENT
 AMOUNT ORDERED
250 SKs AMD + 5# Kolscal
100 SKs A.S.C. + 5# Kolscal
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
A.S.C. 100 SKs @ 9.85 985.00
AMD 250 SKs @ 12.80 3200.00
Kolscal 1750 # @ .50 875.00
 HANDLING 433 SKs @ 1.15 497.95
 MILEAGE 5 1/2 SK/Mi x 15 82.50

EQUIPMENT

PUMP TRUCK CEMENTER Max
 # 224 HELPER Jim
 BULK TRUCK
 # 363-251 DRIVER Kevin
 BULK TRUCK
 # _____ DRIVER _____

TOTAL 5882.70

REMARKS:

SERVICE

Cmt 5 1/2 Prod. Csg with 250 SKs AMD
+ 150 SKs A.S.C. Washup Pump + Lines
Prop Plug Displace 67 BBL Land
Plug Float Held Cement Did
Circulate

DEPTH OF JOB _____ 2755
 PUMP TRUCK CHARGE _____ 1130.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 15 Mi @ 3.50 52.50
 PLUG 5 1/2 Rubber @ 60.00 60.00
Waiting Time 5 Hr. @ 100.00 500.00

TOTAL 1742.50

CHARGE TO: Barbour Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1-5 1/2 Guide Shoe @ 150.00 150.00
1-5 1/2 AFU Insert @ 235.00 235.00
10 5 1/2 Turbolizers @ 60.00 600.00
1-5 1/2 Cement Basket @ 128.00 128.00
1-5 1/2" STOP REAB @ 20.00 20.00

TOTAL 1173.00

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 ~~5882.70~~
 DISCOUNT ~~5882.70~~ IF PAID IN 30 DAYS

SIGNATURE Larry Rogers, agent

Larry Rogers
 PRINTED NAME

ANY APPLICABLE TAX
 WILL BE CHARGED
 UPON INVOICING

ALLIED CEMENTING CO., INC. 14032

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
med. lodge, ks.

DATE <u>1-30-04</u>	SEC. <u>20</u>	TWP. <u>33s</u>	RANGE <u>31w</u>	CALLED OUT <u>11:00A.m.</u>	ON LOCATION <u>3:00P.m.</u>	JOB START <u>4:30P.m.</u>	JOB FINISH <u>7:00P.m.</u>
LEASE <u>Hillary</u>	WELL # <u>2-20</u>	LOCATION <u>Kisment Quick Shop 1/2E</u>			COUNTY <u>Seward</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>2S-1W-3/4S-1/4W</u>					

CONTRACTOR Cheyenne #11
 TYPE OF JOB Surface Csg.
 HOLE SIZE 12 1/4 T.D. 614'
 CASING SIZE 8 5/8 DEPTH 605'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 300 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT 44'
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 37 1/2 Bbls Fresh H₂O

OWNER Barbour Energy

CEMENT

AMOUNT ORDERED 200sx65:35:6+3%CC
1/4# Flo-Seal, 100sx CLASS A+3%CC
2%Gel. Top out 100sx A+3%CC+2%Gel

COMMON <u>200 A</u>	@ <u>8.35</u>	<u>1670.00</u>
POZMIX _____	@ _____	_____
GEL <u>4</u>	@ <u>10.00</u>	<u>40.00</u>
CHLORIDE <u>14</u>	@ <u>30.00</u>	<u>420.00</u>
<u>200 ALW</u>	@ <u>7.75</u>	<u>1550.00</u>
<u>Flo Seal 50*</u>	@ <u>1.40</u>	<u>70.00</u>
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>430</u>	@ <u>1.15</u>	<u>494.50</u>
MILEAGE <u>430 x 15 x .05</u>		<u>322.50</u>
TOTAL		<u>4567.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling
 # 224 HELPER Jim Weighous
 BULK TRUCK
 # 359 DRIVER Bill McAdoo
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Pipe on Bottom - Break Circ.
Pump 200sx65:35:6+3%CC+1/4#
Flo-Seal Pump 100sx A+3%CC+2%Gel
Displace Plug w/37 1/2 Bbls. Bump Plug
Float Held. Did not Circ. Ran 100' of 1"
with 60sx A 3%CC+2%Gel. Circ. Cement
Cement Fell Back. Pump 40sx A+3%CC
2%Gel. Circ. In Cellar.

SERVICE

DEPTH OF JOB <u>605'</u>		
PUMP TRUCK CHARGE <u>0-300'</u>		<u>520.00</u>
EXTRA FOOTAGE <u>305'</u>	@ <u>.50</u>	<u>152.50</u>
MILEAGE <u>15</u>	@ <u>3.50</u>	<u>52.50</u>
PLUG <u>TRP</u>	@ <u>100.00</u>	<u>100.00</u>
_____	@ _____	_____
_____	@ _____	_____
TOTAL		<u>825.00</u>

CHARGE TO: Barbour Energy

STREET _____
 CITY _____ STATE _____ ZIP _____

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FLOAT EQUIPMENT

<u>8 5/8</u>		
<u>1- Guide Shoe</u>	@ <u>215.00</u>	<u>215.00</u>
<u>1- AFU Insert</u>	@ <u>325.00</u>	<u>325.00</u>
<u>4- Centralizers</u>	@ <u>55.00</u>	<u>220.00</u>
<u>1- Thread-10K</u>	@ <u>30.00</u>	<u>30.00</u>
_____	@ _____	_____
TOTAL		<u>790.00</u>

To Allied Cementing Co., Inc. **KCC WICHITA**
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TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE x Larry Rogers, agent

SIGNATURE x Larry Rogers
 PRINTED NAME _____

**ANY APPLICABLE TAX
 WILL BE CHARGED
 UPON INVOICING**