

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

API NO. 15- 175-21847-0000
County Seward
 - - C - NW Sec. 20 Twp. 33S Rge. 31 X E
1250 Feet from 8/N (circle one) Line of Section
1250 Feet from 8/W (circle one) Line of Section

Operator: License # 08967

Name: Barbour Energy Corporation

Address P.O. Box 13480

City/State/Zip Oklahoma City, OK 73113-1480

Footages Calculated from Nearest Outside Section Corner:
NE, SE, 8/N or SW (circle one)

Lease Name Hillary Well # 1-20

Field Name Hugoton Chase

Purchaser: Duke Energy Field Services

Producing Formation Chase-Herrington-Krider

Operator Contact Person: J. Wayne Barbour

Elevation: Ground 2750 KB 2756

Phone (405) 848-7671

Total Depth 2765 PBTD

Contractor: Name: Cheyenne Drilling, Inc.

Amount of Surface Pipe Set and Cemented at 578' Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: Greg Franklin

If yes, show depth set Feet

Designate Type of Completion
 New Well Re-Entry Workover

If Alternate II completion, cement circulated from

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

feet depth to w/ sx cmt.

If Workover:

Drilling Fluid Management Plan ALT 1 JH 5/30/03
(Data must be collected from the Reserve Pit)

Operator:

Chloride content 8500 ppm Fluid volume 285 bbls

Well Name:

Dewatering method used evaporation

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite:

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

Operator Name

Lease Name License No.

06/06/01 06/07/01 07/12/01
Spud Date Date Reached TD Completion Date

 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, 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 08/20/01

Subscribed and sworn to before me this 20 day of August,
19 2001.

Notary Public Marilynn I. Damron

Date Commission Expires March 15, 2004

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

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Operator Name Barbour Energy Corporation Lease Name Hillary Well # 1-20
 Sec. 20 Twp. 33S Rge. 31 East West
 County Seward

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wellington Conhydrite (Base)	2570	+186
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herrington	2574	+182
List All E-Logs Run: AISF, CNCP, MRL		U. Krider	2620	+136
		L. Krider	2664	+ 92

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 1/4"	8 5/8"	24#	587'	Light Class A 2%	175	1/4#/sx Floccal
Production	7 7/8"	4 1/2"	10.5#	2767'	55 POZ	165	2% gel 10% salt

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	2588-90	1800 gal. 20%	all perms
2	2622-42	70 QN ₂ Foam	treated together
2	2666-84	70 ball sealers	

TUBING RECORD	Size 2 3/8"	Set At 2566'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SMD or Inj. 08/03/01	Producing Method <input type="checkbox"/> Flowing <input checked="" 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
		280			

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: _____

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 1000-1-11A
 Seward County

ALLIED CEMENTING CO., INC.

ORIGINAL 7405

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
Men Lodge

DATE <u>6-6-01</u>	SEC. <u>2D</u>	TWP. <u>33S</u>	RANGE <u>31W</u>	CALLED OUT <u>8:00</u>	ON LOCATION <u>12:35</u>	JOB START <u>3:00</u>	JOB FINISH <u>3:50</u>
LEASE <u>HPI/ARY</u>	WELL # <u>1-20</u>	LOCATION <u>KISMET</u>			COUNTY <u>SEWARD</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Chayenne Dely #8</u>	
TYPE OF JOB <u>Surface pipe</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>587</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>586</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>44</u>
CEMENT LEFT IN CSG. <u>44</u>	
PERFS.	
DISPLACEMENT <u>34 3/4 bbls</u>	

OWNER <u>Barbour Energy</u>
CEMENT
AMOUNT ORDERED <u>175 65/35:6 + 3% CC + 1/4 #</u>
<u>Flo-Seal - Tail 150sks A + 3% CC.</u>

EQUIPMENT	
PUMP TRUCK # <u>356-300</u>	CEMENTER <u>LARRY STROM</u>
	HELPER <u>DAVID W.</u>
BULK TRUCK # <u>261-251</u>	DRIVER <u>STEVE D.</u>
BULK TRUCK #	DRIVER

COMMON <u>A 150</u>	@ <u>7.85</u>	<u>1177.50</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>11</u>	@ <u>30.00</u>	<u>330.00</u>
<u>AKW 175</u>	@ <u>7.35</u>	<u>1286.25</u>
<u>FLO-SEAL 44#</u>	@ <u>1.40</u>	<u>61.60</u>
	@	
	@	
HANDLING <u>345</u>	@ <u>1.10</u>	<u>379.50</u>
MILEAGE <u>345 x 45</u>	<u>.04</u>	<u>621.00</u>

TOTAL 3855.85

REMARKS:

Broke Circulator Putaway Mud
Switched over mixed 175sks Lita
+ 3% CACL2 + 1/4 # Flo-Seal-tailed 150sks
Class A + 3% CACL2 - Released
Plug mud produced with 34 3/4
bbls freshwater - Final lift
400# Bump Plug to 900# -
Float held. Circulator Cement to surface!

SERVICE

DEPTH OF JOB	<u>587'</u>
PUMP TRUCK CHARGE <u>0-300'</u>	<u>520.00</u>
EXTRA FOOTAGE <u>287'</u>	@ <u>.50</u> <u>143.20</u>
MILEAGE <u>15</u>	@ <u>3.00</u> <u>45.00</u>
PLUG <u>1-858 TRP</u>	@ <u>100.00</u> <u>100.00</u>
	@
	@

TOTAL 808.20

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

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FLOAT EQUIPMENT
KCC WICHITA

<u>1-858 Bump Shoe</u>	@ <u>215.00</u>	<u>215.00</u>
<u>1-858 AMU Insert</u>	@ <u>325.00</u>	<u>325.00</u>
<u>3-858 Centi</u>	@ <u>55.00</u>	<u>165.00</u>
	@	
	@	

TOTAL 705.00

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.

SIGNATURE [Signature]

TAX _____
TOTAL CHARGE 5369.65
DISCOUNT 5369.91 IF PAID IN 30 DAYS
4832.74
TRJ Disiker
PRINTED NAME

GREG FRANKLIN
PETROLEUM GEOLOGIST

ORIGINAL

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

405/858-0968
FAX 405/840-3983

GEOLOGICAL REPORT

Hillary #1-20
1250' FNL, 1250' FWL
Section 20-33S-31W
Seward County, KS

The Hillary #1-20 was drilled to a total depth of 2765 feet. Three productive intervals were encountered and will be described below:

Herrington. The top of the Krider was encountered at 2584 feet. We drilled 8 feet of limey Dolomite that had visible porosity with no fluorescence or cut. We had a 20 unit show from the gas detector. Recommend perforating two feet.

Upper Krider. The top of the Upper Krider was encountered at 2620 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 102 unit show from the gas detector. This is the best show we have had from the three wells drilled. Recommend perforations 2620-2642'.

Lower Krider. The top of the Lower Krider was encountered at 2664 feet. We drilled 28 feet of Dolomite that had good visible porosity and white fluorescence with no cut (see Mud Log for sample description). We had 65 unit show from the gas detector. Recommend perforations 2664-2676'.

The Hillary #1-20 came in structurally flat to the BEC Clover located in the SW SW SE of Section 17-33S-31W, Seward County, KS.

Respectfully submitted,



Greg Franklin
Petroleum Geologist

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KCC WICHITA

DRILLER'S LOG

ORIGINAL

BARBOUR ENERGY CORPORATION
HILLARY 1-20
SECTION 20-T33S-R31W
SEWARD COUNTY, KANSAS

COMMENCED: 06-06-01
COMPLETED: 06-08-01

SURFACE CASING: 586' OF 8 5/8" CMTD
W175 SKS 65:35 + 3% CC + 1/4#/SK FLOCELE.
TAILED W/150 SKS CLASS A + 3%CC.

FORMATION	DEPTH
SURFACE HOLE	0 - 587
RED BED	587 - 1006
GLORIETTA	1006 - 1156
RED BED	1156 - 2611
LIMESTONE & SHALE	2611 - 2765 RTD

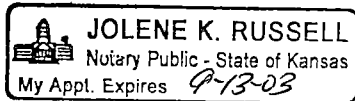
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.
Wray Valentine
WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12TH DAY OF JUNE, 2001.

JOLENE K. RUSSELL
Jolene K. Russell
NOTARY PUBLIC



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AUG 22 2001
KCC WICHITA