

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

API NO. 15- 175215120000 **ORIGINAL**
County Seward
CSE/4 - Sec. 25 Twp. 32S Rge. 34 X ^E _W

Operator: License # 6120
Name: Cabot Oil & Gas Corporation
Address 9400 N. Broadway, Suite 608

1250 Feet from (S) (circle one) Line of Section
1320 Feet from (E) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE. (SE) NW or SW (circle one)

City/State/Zip Oklahoma City, OK 73114

Lease Name Hitch Well # 3-25
Field Name Hugoton **CONFIDENTIAL**

Purchaser: Cabot Oil & Gas Marketing

Producing Formation Chase Group

Operator Contact Person: Steve Turk

Elevation: Ground 2869 KB 2874

Phone (405) 478-6501

Total Depth 2918 PBDT _____

Contractor: Name: Cheyenne Drilling

Amount of Surface Pipe Set and Cemented at 554 Feet

License: 5382

Multiple Stage Cementing Collar Used? Yes X No _____

Wellsite Geologist: None

If yes, show depth set _____ Feet

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

If Alternate II completion, cement circulated from _____

X Oil _____ SWD _____ S10W _____ Temp. Abd.
X Gas _____ ENHR _____ SIGW _____
_____ Dry _____ Other (Core, MSW, Expl., Cathodic, etc) _____

feet depth to _____ w/ _____ sx cat.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan ALT 1 97 3-11-97
(Data must be collected from the Reserve Pit)

Operator: RELEASED

Chloride content 5000 ppm Fluid volume 2000 bbls

Well Name: _____

Dewatering method used Evaporation, dryout, backfill

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

_____ Deepening _____ Ref. _____ PBDT _____
_____ Plug Back _____ PBDT _____
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

Operator Name KANSAS CORPORATION COMMISSION

11-28-95 12-1-95 2-13-96

Lease Name 3-10-97 License No. _____

Spud Date _____ Date Reached TD _____ Completion Date _____

Quarter _____ Sec. _____ Twp. _____ Rng. _____ E/W _____

County CONSERVATION DIVISION Docket No. _____
WICHITA, KS

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: [Signature]
Title: Operations Manager Date 3-15-96
Subscribed and sworn to before me this 15th day of March
19 96
Notary Public: [Signature]
Date Commission Expires 1-26-97

K.C.C. OFFICE USE ONLY
F 4 Letter of Confidentiality Attached
C 4 Wireline Log Received
C _____ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other _____
(Specify)

Operator Name Cabot Oil & Gas Corporation Lease Name Hitch Well # 3-25

Sec. 25 Twp. 32S Rge. 34 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 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: **DUAL-SPACED NEUTRON
 COMPENSATED SPECTRAL NATURAL GAMMA
 CBL/CCL/GR DUAL INDUCTION**

Name	Top	Datum	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Herington	2570				
Krider	2598				
Winfield	2680				
Ft. Riley	2728				

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"	28#/ft.	554	Prem. Plus Lite Prem. Plus	150 100	2% CC + 1/4#/sk flocele
Production	7-7/8"	4-1/2"	10.5#/ft.	2919	35/65 Poz Class "C"	380 225	6% gel, 2% CC, 1/4#/sk celloflake

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	
	1	Chase Group	2686-2710, 2600-2670, 2570-2582	Acidize w/8000 gal 15% NE/FE HCl acid, Frac w/30,000 scf N2, 119,000 gal 50Q 20% HCl

TUBING RECORD		Size	Set At	Packer At	Linear Run	Production Interval	
		2-1/16"	2627		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2570-2710	
Date of First, Resumed Production, SWD or Inj.		Producing Method					
3-12-96		<input checked="" 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		
	-0-	127	7	N/A	N/A		

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

WELL NAME AND NO. **HITCH 23-25**
 LOCATION (LEGAL) **SEC 25-32S-34W**
 FIELD POOL **HUGOTON**
 FORMATION **CHASE**
 COUNTY/PARISH **Seward County 175**
 STATE **KS** APL. NO. **15**

WELL DATA: **Chavenn 2-78**
 BIT SIZE: **7 7/8** CSGL/liner Size: **4 1/2**
 TOTAL DEPTH: **2919** WEIGHT: **105**
 ROT CABLE FOOTAGE: **2923**
 MUD TYPE: **5.5** GRADE: **5.5**
 BHST BHCT THREAD: **8RD**
 MUD DENSITY: **33.5** LESS FOOTAGE (SHOE JOINTS)
 MUD VISC.: **45.9** Disp. Capacity: **45.9** TOTAL: **45.9**

NAME **Cubit 0.1 + Gas**
 AND **CONFIDENTIAL**
 ADDRESS _____
 ZIP CODE _____

SPECIAL INSTRUCTIONS **Safety CMT 4 1/2 Long string
 4 1/2 3RD SKS 3 5/8 407K + 12m D20 + 29m SI
 + 4 1/2 1SK D20 (CFAD) and 225SKS class C
 + 29m SI + 4 1/2 1SK D29**

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **7.0** PSI CASING WEIGHT + SURFACE AREA **7.30** (3.14 x R²)
 PRESSURE LIMIT **5.0** OVER PSI BUMP PLUG TO **1440** PSI
 ROTATE RPM _____ RECIPROCATE _____ FT No. of Centralizers **12**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SHOE	DEPTH	TYPE	STAGE TOTAL	DEPTH	TYPE
	2869.5	4 1/2 F.I. Tubing			
	2923	OKAS Pattern			

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Overage Knockoff

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
2230											
2254		2280				H2O	8.34		12/15/95		
2256		280	10		1.0	H2O	8.34				
2258		270	245	10	1.0	CMT	12.2				
2323			53	155	5.8	CMT	14.8				
2343				218							
2343			45.9		4.7	H2O	8.34				
2351		580	5	35	2.0	H2O	8.34				
2355		710		18.5	2.0	H2O	8.34				
2356		1440		42.5		H2O	8.34				
2358											

PREJOB SAFETY MEETING

PSI TEST lines / Bbed off PJ

START H2O + SPACER

START LEAD SLURRY

START Tail Slurry

SHUT-DOWN / DROP TOP PLUG

STOP Displacement

PSI Check @ 10 min Rate

PSI Check

Bump TOP Plug / Check Float

End Job.

RELEASED 1995
 JUL 21 1997
 RECEIVED
 10
 10

REMARKS **FROM CONFIDENTIAL**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	280	2.15	35 1/2 407K	+ 6.7m D20	+ 20m SI	+ 4 1/2 1SK D29	145.5	12.2
2.	225	1.32	class C	+ 29m SI	+ 4 1/2 1SK D29		52.8	14.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE HESITATION SQ. RUNNING SQ. CIRCULATION LOST

DENSITY YES NO

PRESSURE YES NO

DISPLACEMENT VOL **45.5** Bbls

MEASURED DISPLACEMENT WIRELINE

TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

PERFORATIONS TO TO

CUSTOMER REPRESENTATIVE **Carl Cowan**

DS SUPERVISOR **Jon Sosa**



JOB SUMMARY

DIVISION 111101 CONJ
HALLIBURTON LOCATION Liberal, KS

BILLED ON TICKET NO. 380625

WELL DATA

FIELD _____ SEC 25 TWP 32^S RING 34^W COUNTY Seward STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____
PACKER TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		28	8 3/4	K3	554	
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	5511	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

ORIGINAL

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-28</u>	DATE <u>11-28</u>	DATE <u>11-28</u>	DATE <u>11-28</u>
TIME <u>1300</u>	TIME <u>1530</u>	TIME <u>1900</u>	TIME <u>1940</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FOOT COLLAR <u>2 1/2"</u>		
<u>Losses Fluid</u>	<u>1</u>	<u>Howco</u>
<u>Fill up</u>	<u>1</u>	
GUIDE SHOE		
CENTRALIZERS	<u>3</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD		
PACKER		
OTHER <u>Howco A</u>	<u>1/13</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Coyle</u>	<u>420041</u>	<u>Liberal Ks</u>
<u>P. Howard</u>	<u>59179</u>	<u>Liberal Ks</u>
<u>D. McElroy</u>	<u>04360</u>	<u>7131</u>
	<u>4673</u>	<u>7670</u>
	<u>63601</u>	<u>Howco Ks</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 PROP. TYPE _____ SIZE _____ LB. _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ **RELEASED** _____
 ACID TYPE _____ GAL. _____ % _____
 SURFACTANT TYPE _____ GAL. _____
 NE AGENT TYPE _____ GAL. _____
 FLUID LOSS ADD. TYPE _____ G/L-LB. _____ IN _____
 GELLING AGENT TYPE _____ G/L-LB. **FROM CONFIDENTIAL** _____
 FRIG. RED. AGENT TYPE _____ G/L-LB. _____ IN _____
 BREAKER TYPE _____ G/L-LB. _____ IN _____
 BLOCKING AGENT TYPE _____ GAL-LB. _____
 PERFRAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB 8 3/4 Surface

JOB DONE THRU: TUBING CASING ANNULUS TBC/ANN.

CUSTOMER REPRESENTATIVE X Pasillo
 HALLIBURTON OPERATOR Dennis Coyle COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK BAGGED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	<u>160</u>	<u>Prem Plus</u>	<u>Ltwt</u>		<u>2% C.C. 1/4" Floe</u>	<u>2.05</u>	<u>12.3</u>
	<u>100</u>	<u>Prem Plus</u>			<u>2% C.C. 1/4" Floe</u>	<u>1.32</u>	<u>14.8</u>

PRESSURES IN PSI _____
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FBST 4460 REASON Job Abort

SUMMARY _____
 PREFLUSH: BBL-GAL. _____ TYPE _____
 LOAD & BKON: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. _____
 CEMENT SLURRY: BBL-GAL. 81.90
 TOTAL VOLUME: BBL-GAL. _____

REMARKS
RECEIVED
 KANSAS CORPORATION COMMISSION
 MAR 22 1998

CUSTOMER: Leisure
LEASE: 11/28-11/28
WELL NO.: 111101
JOB TYPE: 8 3/4 SURFACE
DATE: 11-28-98