

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

Operator: License # 6120
Name: Cabot Oil & Gas Corporation
Address 9400 N. Broadway, Suite 608
City/State/Zip Oklahoma City, OK 73114
Purchaser: Cabot Oil & Gas Marketing
Operator Contact Person: Steve Turk
Phone (405) 478-6501
Contractor: Name: Cheyenne Drilling, Inc.

License: CONFIDENTIAL
Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

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

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

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. _____
12-14-95 12-16-95 2-19-96
Spud Date Date Reached TD Completion Date

API NO. 15- 175215100000 ORIGINAL

County Seward
SE - NW - NE - _____ Sec. 12 Twp. 34S Rge. 34 E
1250 Feet from (N) (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 Shorb Well # 3-12
Field Name Hugoton

Producing Formation Chase Group

Elevation: Ground 2882 KB 2887

Total Depth 2918 PBTD 2870

Amount of Surface Pipe Set and Cemented at 650 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 cnt.

Drilling Fluid Management Plan alt I 6-6-99
(Data must be collected from the Reserve Pit) LV

Chloride content 5000 ppm Fluid volume 2000 bbls

Dewatering method used Evaporation, Dewater, Backfill

Location of fluid disposal if hauled off site _____

Operator Name RELEASED

Lease Name _____

Quarter 3 Sec 1997 Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____
FROM CONFIDENTIAL

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 Steve Turk
Title Operations Manager Date 4-10-96

Subscribed and sworn to before me this 10th day of April, 19 96.

Notary Public [Signature]

Date Commission Expires 1-26-97

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)

Operator Name Cabot Oil & Gas Corporation Lease Name Shorb Well # 3-12

Sec. 12 Twp. 34S 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.)

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Herrington	2611	
Krider	2640	
Winfield	2726	
Ft. Riley	2780	

List All E.Logs Run:

Dual Induction Laterolog
 Compensated Spectral Natural Gamma Log
 Spectral Density Dual Spaced Neutron II Log

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		650	Prem Plus Lite Prem Plus	190 100	2% CC + 1/4#/sk Flocele
Production	7-7/8	4-1/2	10.5#/ft	2918	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				

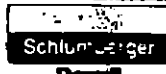
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	2680-2710, 2645-2657, 2614-2632	Acidize w/5000 gal 15% NE/FE HCl, Frac w/20,000 scf N2 + 12,000 gal 50Q foamed 20% HCl + 10,000 scf N2 flush	2614-2710

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-1/16"	2764			
Date of First, Resumed Production, SWD or Inj.			Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
3-22-96						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	-0-	142	trace	N/A	N/A	

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Production Interval 2614-2710

(If vented, submit ACO-18.)

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-2981	DATE 12-16-95
STAGE 1	DS UKS
DISTRICT 03-12	

15-498-A PRINTED IN U.S.A.

WELL NAME AND NO. **SHORB # 3-12**

LOCATION (LEGAL) **SEC 12-34S-34W**

FIELD-POOL **HUGOTON**

FORMATION **CHASE**

COUNTY/PARISH **SEWARD**

STATE **KS**

API. NO.

NAME **CAROT OIL & GAS CORP**

AND

ADDRESS

SPECIAL INSTRUCTIONS

WELL DATA: **CHAYEANE #8**

BIT SIZE **7 7/8** CSG/Inner Size

TOTAL DEPTH **2879** WEIGHT **10.5**

ROT CABLE FOOTAGE

MUD TYPE **66L** GRADE **155**

BHST BHCT THREAD **80d**

MUD DENSITY **2871** LESS FOOTAGE SHOE JOINT(S)

MUD VISC. **45.7** Disp. Capacity

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

FOOT TYPE **ARTICLE FLOOR** TYPE

DEPTH **2879** DEPTH

SHOE TYPE **TX PATTERN** TYPE

DEPTH **2920** DEPTH

Head & Plugs TBG D.B. SQUEEZE JOB

Double SIZE

Single WEIGHT TOOL TYPE

Swage GRADE DEPTH

Knockoff THREAD TAIL PIPE: SIZE DEPTH

TOP OR W NEW USED TUBING VOLUME Bbl

BOT OR W DEPTH TOTAL Bbl

ANNUAL VOLUME Bbl

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CEMENT PRODUCTION CASING AS

PER BELOW SCHEDULE

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **1929** PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **2500** PSI BUMP PLUG TO **1460** PSI

ROTATE **---** RPM RECIPROCATE **---** FT No. of Centralizers **12**

TOOL TYPE

DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbl

CASING VOL. BELOW TOOL Bbl

TOTAL Bbl

ANNUAL VOLUME Bbl

TIME	PRESSURE		VOLUME PUMPED GDL		JOB SCHEDULED FOR			ARRIVE ON LOCATION	LEFT LOCATION
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME: 1900 DATE: 12-16-95	TIME: 2400 DATE: 12-16-95
0001 to 2400									
1900									
2208		2560				H ₂ O	8.3		
2213		20	10	0	5 BPM	H ₂ O	8.3		
2215		260	70	10	6 BPM	CMT	12.7		
2227		180	74	80	6 BPM	LMT			
2239		150	30	154	5 BPM	LMT	14.8		
2246		130	28	184	5 BPM	CMT			
2252		30		212					
2256		90	36	248	6 BPM	H ₂ O	8.3		
2302		650	10	258	2 BPM	H ₂ O	8.3		
2307		1460		258					

RECEIVED
 AT SACKS
 12 A.M. 11:22

RELEASED

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
						BBLs	DENSITY	
1.	380	2.15	35/65 po2/c	6.7 D20	2.25, 1/4" D29	146	12.2	
2.		1.22	CLASS C	w/2.25, 1/4" D29		53	14.8	
3.								
4.								
5.								
6.								

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BREAKDOWN FLUID TYPE

HESITATION SO. RUNNING SO. CIRCULATION LOST

DENSITY YES NO Cement Circulated To Surf. YES NO **10SKS/4** Bbls

PRESSURE MAX. **1260** MIN: **0**

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **45.7** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Mr. Carl Cowan** DS SUPERVISOR **Louis H. Dillon**

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION *L. Be Del, KS*

FILED ON TICKET NO. *881028*

WELL DATA
FIELD _____ SEC *8* TWP *34S* RNE *34W* COUNTY *DEWALD* 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 WT. _____
PACKER TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH *650*

CONFIDENTIAL

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
<i>U</i>	<i>28</i>		<i>12B</i>	<i>150</i>	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>12-14-95</i> TIME <i>12:00</i>	DATE <i>12-14-95</i> TIME <i>14:30</i>	DATE <i>12-14-95</i> TIME <i>16:31</i>	DATE <i>12-14-95</i> TIME <i>17:02</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<i>Roller Plate</i>	<i>1</i>	<i>Howe</i>
GUIDE SHOE		
CENTRALIZERS	<i>3</i>	
BOTTOM PLUG		
TOP PLUG	<i>1</i>	
HEAD	<i>1</i>	
PACKER		
OTHER <i>Weld A</i>		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>W. Fox</i>	<i>D4437</i>	<i>L. Be Del, KS</i>
<i>N. Todd</i>	<i>EX588</i>	<i>RCM</i>
<i>J. Adair</i>	<i>7587</i>	<i>Be Del</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. @ AM

DISPL. FLUID _____ DENSITY _____ LB/GAL. @ AM

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. **RELEASED**

ACID TYPE _____ GAL. *31 1997*

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS AGD. TYPE _____ GAL. _____ IN

GELING AGENT TYPE _____ GAL. _____ LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL. _____ LB. _____ IN

DREAKER TYPE _____ GAL. _____ LB. _____ IN

BLOCKING AGENT TYPE _____ GAL. _____ LB. _____ IN

PERFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT *501*

DESCRIPTION OF JOB *Refracturing*

JOB DONE THRU: TUBING CASING ANNULUS TBC/ANN.

CUSTOMER REPRESENTATIVE *X D. Dillillo*

HALLIBURTON OPERATOR *WES Fox*

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>1</i>	<i>HEM Plus</i>		<i>B</i>	<i>20% FLUO. 1/4" Flocite</i>	<i>2.06</i>	<i>12.3</i>
<i>1</i>	<i>1</i>	<i>HEM Plus</i>		<i>B</i>	<i>20% FLUO. 1/4" Flocite</i>	<i>1.32</i>	<i>14.8</i>

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 _____

FEET *42.10* REASON *Shut In*

SUMMARY

FRESHWATER EBL - GAL _____ TYPE _____

LOAD & DRON: EBL - GAL _____ PAD: EBL - GAL _____

TREATMENT: EBL - GAL _____ DISPL. JOB - GAL *32.9*

CEMENT GLURRY: EBL - GAL *697.235*

TOTAL VOLUME: EBL - GAL _____

REMARKS

SEE Job Log

MASDS with in Co. Rep

CUSTOMER *Chryvenne Drilling*

DATE *12-14-95*

JOB TYPE *8 1/2" DRILLING*

WELL NO. *5-12*