

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

API NO. 15- 175215090000
County Seward
NW/4 SE/4 NE/4 Sec. 18 Twp. 33S Rge. 33 E/W

ORIGINAL

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

3830 Feet from S/N (circle one) Line of Section
21250 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)
Lease Name Speakman Well # 2-18
Field Name Hugoton
Producing Formation Chase Group
Elevation: Ground 2868 KB 2873
Total Depth 2921 PBDT 2650
Amount of Surface Pipe Set and Cemented at 548 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 cnt.

Wellsite Geologist: None **CONFIDENTIAL**
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 1 JH 1-6-97
(Data must be collected from the Reserve Pit)
Chloride content 5000 ppm Fluid volume 2000 bbls
Dewatering method used Evaporation, dryout, backfill

If Workover/Re-Entry: old well info as follows: **RELEASED**
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
12-3-95 12-5-95 2-10-96
Spud Date Date Reached TD Completion Date

Operator Name _____
Lease Name _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____
RECEIVED
KANSAS CORPORATION COMMISSION
3-22-96
MAR 19 1996
CONFIDENTIAL
CONSERVATION DIVISION
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: Engineer Date: 3-19-96
Subscribed and sworn to before me this 19th day of March, 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 Speakman

Well # 2-18

Sec. 18 Twp. 33S Rge. 33

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:

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

Log Formation (Top), Depth and Datums Sample

| Name | Top | Datum |
|------------|------|-------|
| Herrington | 2582 | |
| Krider | 2610 | |
| Winfield | 2695 | |
| Ft. Riley | 2746 | |

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 | 12-1/2" | 8-5/8" | | 548 | Prem Plus Lite Prem Plus | 150 100 | 2% CC, 1/4#/sk flocele |
| Production | 7-7/8" | 4-1/2" | 10.5#/ft | 2921 | 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 2658-2678, 2614-2623, 2586-2592 | 4000 gal 15% NE/FE HCl | 2586-2678 |

| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|---------|--------|-----------|---|
| | 2-1/16" | 2648 | | |

Date of First, Resumed Production, SWD or Inj. Temporarily Abandoned Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Dually Comp. Commingled

2586-2678

PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. SPEAKMAN 2-185
LOCATION (LEGAL) SEC 18-335-33W
FIELD-POOL HUGO 46N
FORMATION
COUNTY/PARISH SEWARD STATE KS APL. NO.

RIG NAME: CHEYANDE
WELL DATA: BIT SIZE 7 1/4, CSG/Liner Size 4 1/2, TOTAL DEPTH 2921, WEIGHT 10.5, FOOTAGE 2927, GRADE, THREAD 8120, MUD DENSITY 7.96, MUD VISC. 46

NAME CAROT OIL & GAS
AND
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS
CEMENT 4 1/2 CASING AS PER
CUSTOMER INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 1942 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT 2000 PSI BUMP PLUG TO 1410 PSI
ROTATE RPM RECIPROCATATE FT. No. of Centralizers 12

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
Float TYPE BRIFSC FLAPPY DEPTH 2896
SHOE TYPE TEXAS PATTERN DEPTH 2927
Head & Plugs TBG D.P. SQUEEZE JOB
TOOL TYPE DEPTH
TAILO PIPE: SIZE DEPTH
TUBING VOLUME
CASING VOL. BELOW TOOL
TOTAL
ANNUAL VOLUME

Table with columns: TIME, PRESSURE (TBG OR D.P., CASING), VOLUME PUMPED (INCREMENT, CUM), JOB SCHEDULED FOR (TIME, DATE), ARRIVE ON LOCATION (TIME, DATE), LEFT LOCATION (TIME, DATE), SERVICE LOG DETAIL. Includes entries for 1930 ARRIVE LOC-SPOT, 0032 TEST LINES, 0038 START WATER, 0041 START LEAD SLURRY, 0111 START TAIL SLURRY, 0124 SHUT DOWN-WASH LINES, 0128 DUMP PLUG, 0129 START DISPLACEMENT w/70T H2O, 0138 LOWER RATE, 0144 PLUG DOWN, 0145 BLEED PRESSURE.

REMARKS

Table with columns: SYSTEM CODE, NO. OF SACKS, YIELD CU. FT/SK, COMPOSITION OF CEMENTING SYSTEMS, SLURRY MIXED (BBLs, DENSITY). Includes entries for 1. 390 2.15 35/65, 2. 225 1.32 CLASS C 27.53.

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE KS MAX. 1410 MIN: 0
HESITATION SQ. RUNNING SQ. CIRCULATION LOST
DISPLACEMENT VOL. 46
MEASURED DISPLACEMENT
CUSTOMER REPRESENTATIVE: Mr. Carl Cowan
SUPERVISOR: Louis H Dillon

CONFIDENTIAL

CONFIDENTIAL

RECEIVED CORPORATION COMMISSION

MAR 22 1996

CONSERVATION DIVISION

WELL DATA

FIELD _____ SEC **18** TWP **33** RING **33** 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 _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC DATA _____ TOTAL DEPTH _____

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---|---|---|---|
| DATE 12-8-95 TIME 0930 | DATE 12-7-95 TIME 1145 | DATE 12-7-95 TIME 1437 | DATE 12-3-95 TIME 1505 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---|----------|--------------|
| FLOAT COLLAR Insert/Flange 8 7/8 | 1 | Husco |
| FLOAT SHOE | | |
| GUIDE SHOE Ta 3rd | 1 | |
| CENTRALIZERS REG | 2 | |
| BOTTOM PLUG | | |
| TOP PLUG Sec | 1 | |
| HEAD P.C. | 1 | |
| PACKER | | |
| OTHER | | |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|----------------------------|-----------------|------------------------|
| Tom Payer #48120 | 420044 | Liberal ks |
| REAR MANAGER #02731 | 76909 | Liberal ks |
| Chief Miller #05455 | 75817 | Bulk Huston, ks |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

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

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

ORIGINAL

DEPARTMENT **Cement (S&W)**

DESCRIPTION OF JOB **Set Surface Pipe**

JOB DONE THRU: TUBING CASING ANNULUS TBQ/ANN.

CUSTOMER REPRESENTATIVE **X** **Castillo**

HALLIBURTON OPERATOR **Tom Payer** COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|----------------------|-------|-------------|----------------------------|------------------|-----------------|
| | 160 | Prem Plus 140 | | B | 2% CC, 1/4% Flocite | 21 | 12.3 |
| | 100 | Prem Plus | | B | 2% CC, 1/4% Flocite | 134 | 14.8 |

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PREFLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKON: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. **59.8 + 23.8**

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS **Cement to surface**

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET **38.54** REASON **Shut In**

RECEIVED
 OIL & GAS CORPORATION COMMISSION

MAR 22 1996

CONSERVATION DIVISION
 WICHITA, KS

CUSTOMER: **Mid Continent**
 LIBRARY: **SPARKMAN**
 WELL NO.: **2-18**
 JOB TYPE: **010 (SPT)**
 DATE: **12-3-95**