

175-21255-0000

9-24-93

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

API NO. 15- _____
County Seward
NE NW Sec. 17 Twp. 32S Rge. 33 E

ORIGINAL

ORIGINAL

Operator: License # 6120

330 Feet from S (N) (circle one) Line of Section

Name: Cabot Oil & Gas Corporation

2190 Feet from E (W) (circle one) Line of Section

Address 9400 N. Broadway, Suite 608

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

City/State/Zip Oklahoma City, OK 73114

Lease Name Johnson Well # 3-17

Purchaser: Cabot Oil & Gas Marketing Corp.

Field Name Hugoton

Operator Contact Person: Jim R. Pendergrass

Producing Formation Chase

Phone (405) 478-6514

Elevation: Ground 2784 KB _____

Contractor: Name: H-40 Drilling, Inc.

Total Depth 5,860' PBTB 2,728'

License: 30692

Amount of Surface Pipe Set and Cemented at 1530' Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry

If yes, show depth set _____ Feet

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

Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

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

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 5000 ppm Fluid volume 11000 bbls

Well Name: _____

Dewatering method used Evaporation/Dry Out

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

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

Operator Name _____

Lease Name _____ License No. _____

7/10/92 7/18/92 9-8-92

Quarter Sec. Twp. S Rng. E/W

Spud Date Date Reached TD Completion Date

County _____ Docket No. _____

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 Emmett F. Saltzman
Title Regulatory Supervisor Date 11/20/92

Subscribed and sworn to before me this 20th day of November 19 92

Notary Public Connie B. Turner

Date Commission Expires September 2, 1996

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)

11-23-92 NOV 23 1992

CONFIDENTIAL

CONFIDENTIAL

RECEIVED CORPORATION COMMISSION

81

Operator Name Cabot Oil & Gas Corporation Lease Name Johnson Well # 3-17
 Sec. 17 Twp. 32S Rge. 33 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington	2510	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	U. Krider	2539	
List All E.Logs Run:		L. Krider	2568	
		Winfield	2619	
		Ft. Riley	2662	
		Coungil Grove	2817	
		Base Heebner	4054	
		Toronto	4061	
		Lansing	4172	
		Checkerboard	4503	
		Marmaton	4819	
		Cherokee	4987	
		Atoka	5222	
		Morrow	5356	
		Chester	5464	
		St. Genevieve	5625	
		St. Louis	5722	

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
Conductor	36"	20"		70'	6 yards/sack concrete		
Surface	12-1/4"	8-5/8"	24#	1530'	Lite	600	2% cc & 1/4H
Production	7-7/8"	4-1/2"	14.5#	2827'	Class C 65-35 Poz	150 290	2% cc
					50-50 Poz	170	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
1 SPF	Ft. Riley	2668'-2672' (5 holes)	500 gals 15% NE-FE	2668'-2672'
2 SPF	Krider	2537'-2553' (33 holes)	1000 gals 15% NE-FE 72,500 gals	2537'-2553'
			N2 Foam; 111,213 # 20/20 sand	

TUBING RECORD	Size 2-3/8"	Set At 2510'	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	9-10-92 First Sales		Producing Method	<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 0 Bbls.	Gas 450 Mcf	Water 0 Bbls.	Gas-Oil Ratio	Gravity .719

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

METHOD OF COMPLETION Production Interval

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 7-17-92

Company: Cabot Oil & Gas Corporation Lease: Johnson Well No.: 2-17

County: Seward Location: NW NW Section: 17 Township: 32S Range: 33W Acres: 640

Field: Wildcat Reservoir: St. Louis Pipeline Connection: Williams Natural Gas

Completion Date: 5-6-92 Type Completion (Describe): Single Plug Back T.D.: 5688' Packer Set At:

Production Method: Pumping Gas Lift Type Fluid Production: Oil API Gravity of Liquid/Oil: 42.1

Casing Size: 5.50 Weight: 15.5 I.D.: 1.9950 Set At: 5750' Perforations: 5590' - 5651'

Tubing Size: 2.375 Weight: 4.7 I.D.: 1.9950 Set At: 5569' Perforations:

Pretest: Starting Date 7-14-92 Time 9:00 AM Ending Date 7-16-92 Time 9:00 AM Duration Hrs. 24

Test: Starting Date 7-16-92 Time 9:00 AM Ending Date 7-17-92 Time 9:00 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure	Separator Pressure	Choke Size		
Casing: 105.2 Tubing: Pumping				
Bbls./In.	Tank	Starting Gauge	Ending Gauge	Net Prod. Bbls.
	Size Number	Feet Inches Barrels	Feet Inches Barrels	Water Oil
Test:	210 196311	3 6 49.50	11 5 158.33	108.83
Test:	210 196312	12 9 177.39	14 8-1/2 204.63	27.24
Test:	210 196344	1 6 21.18	2 2-1/2 30.78	9.6

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections	Orifice Meter Range					
Pipe Taps: Flange Taps: X Differential: 100 Static Pressure: 500						
Measuring Device	Run-Prover-Tester	Orifice Size	Meter-Prover-Tester Pressure	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3"	.500	6.0 105.2	105.0	0.724	76
Critical Flow Prover						
Orifice Well Tester						

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension (Pm) / $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
1430.7	119.4	26.7657	1.175	0.9850	1.0111	

Gas Prod. MCFD: 45 Oil Prod. Bbls./Day: 145.67 Gas/Oil Ratio (GOR) = 309 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 31 day of July 1992.

For Offset Operator: *James R. Kapp* For State: *James F. [Signature]* For Company: *[Signature]*

RECEIVED STATE CORPORATION COMMISSION AUG 6 1992

Conservation Division Wichita, Kansas Form C-5 (5/88)

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Cabot Oil & Gas Corporation LOCATION OF WELL NN
 LEASE Johnson OF SEC. 17 T 32 R 33W
 WELL NO. 2-17 COUNTY Seward
 FIELD Wildcat PRODUCING FORMATION St. Louis
 Date Taken 7-17-92 Date Effective 5-6-92
 Well Depth 5750' Top Prod. Form 5590' Perfs 5651'
 Casing: Size 5.50 Wt. 15.5 Depth 5750' Acid 10,000 gals - MOD 202
 Tubing: Size 2.375 Depth of Perfs 5651' Gravity 42.1
 Pump: Type Insert Bore 2" Purchaser KOCH
 Well Status Pumping Oil
Pumping, flowing, etc.

TEST DATA

Permanent Field Special
 Flowing Swabbing Pumping X

STATUS BEFORE TEST:

PRODUCED 24 HOURS

SHUT IN 24 HOURS

DURATION OF TEST 24 HOURS 0 MINUTES 0 SECONDS

GAUGES: WATER INCHES PERCENTAGE

OIL INCHES PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY)

WATER PRODUCTION RATE (BARRELS PER DAY) 17.5

OIL PRODUCTION RATE (BARRELS PER DAY) PRODUCTIVITY

STROKES PER MINUTE 11"

LENGTH OF STROKE 52" INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS

WITNESSES:

FOR STATE

FOR OPERATOR

FOR OFFSET