

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

ORIGINAL
KCC

MAY 6

CONFIDENTIAL

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 Corporation

Operator Contact Person: Jim R. Pendergrass

Phone (405) 478-6500

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist: Earth Tech

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW 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 PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3-16-92 3-25-92 5-1-92
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,240-0000

County Seward

- NW - NW - Sec. 17 Twp. 32S Rge. 33 X V

1250 Feet from X/N (circle one) Line of Section

1250 Feet from X/W (circle one) Line of Section

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

Lease Name Johnson Well # 2-17

Field Name Wildcat

Producing Formation St. Louis

Elevation: Ground 2747' KB 2758'

5,752' PBSD 5688'

Amount of Surface Pipe Set and Cemented at 1,575 Feet

Multiple Stage Cementing Collar Used? XX Yes No

If no show depth set 3187' Feet

If Alternate II completion, cement circulated from _____

foot depth to _____ w/ _____ sx cnt.

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

Chloride content 4500 ppm Fluid volume 11,100 bbls

Dewatering method used Evaporation and Drying out

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

RELEASED
JUN 18 1993

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 Jim Pendergrass
Title Jim R. Pendergrass, Drilling Superintendent 5/6/92

Subscribed and sworn to before me this 6 day of May, 1992.

Notary Public Roberta E. Mitchell
Roberta E. Mitchell, Oklahoma County

Date Commission Expires November 9, 1992

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution RECEIVED
 KCC SWD/Rep
 KGS STATE CORP. COMMISSION
Other _____
(Specify)
MAY 11 1992

Operator Name Cabot Oil & Gas Corporation Lease Name Johnson Well # 2-17
 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 Datum	<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	-2458	Marmaton 4749
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	U. Krider	2486	Cherokee 4918
List All E.Logs Run:		L. Krider	2516	Atoka 5154
		Winfield	2566	Morrow 5279
		Ft. Riley	2611	Chester 5396
		Council Grove	2768	St. Genevieve 5544
		B/Heebner	3993	St. Louis 5644
		Toronto	4000	
		Lansing	4111	
		Checkerboard	4446	

CASING RECORD							
Surface <input checked="" type="checkbox"/> Now <input checked="" type="checkbox"/> Used Production							
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	30"	20"		70'	Grout	8 yards	
Surface	12-1/4"	8-5/8"	24#	1,575'	Howco Lt. Wt. Class H	675	2% cc 1/4"
Production	7-7/8"	5-1/2"	15.5#	5,751'	50-50 Poz	150 660	2% cc Cello 10% salt flake

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2 spf	St. Louis "C"	5648-51	acidized w/500 gals 15% MSR 100	5648-51
2 spf	St. Louis "B"	5612-22	acidized w/1000 gals 15% MSR 100 + NLS	5612-22
2 spf	St. Louis "A"	5590-5600	acidized w/1000 gals 15% MSR 100 + NE agent	5590-5600
2 spf	Marmaton	4774-4780	Sqzd w/100 sxs Cls H + .3%FLA + .2% Antifoamer	
	Lansing	4156-4162	sqzd w/50 sx Class H + 2% clasta	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>5672'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" 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

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 _____

PHONE
318 / 824-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67801

SEC. 17
TWP. 32S
RGE. 33W

Cabot Oil & Gas Corporation
OPERATOR

Johnson #2-17
WELL NAME & NO.

TEST #

5590' - 5652'
TEST INTERVAL

COUNTY Seward

STATE KANSAS

TICKET NO. 3426

Location St. Louis Type Test Conventional Date March 24, 1992
Anchor Length and Size 62'; 30' X 6" OD-D.C., 32' X 4 1/2" OD-Perf. Total Depth 5652'
Cacker Depths 5585' & 5590' Below Straddle _____ Choke Size Bottom 5/8" Surface 1"
Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 95' D.P. 4985' ID 3.8" Wt. P. _____ ID _____ D.C. 596' ID 2.25"
Mud Type Chemical Vls. 52 Wt. 9.1 Wtr. Loss 9.4 Cl. 3000 ppm

Recorders: Depth 5607' Make Kuster Cap. 6500 Ser. No. 10269 Inside
Depth 5613' Make Kuster Cap. 6800 Ser. No. 10217 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:
Tool on Bottom @ 6:50 A.M. Initial Hydrostatic 2745 psi
Initial Flow 61 Min. IFP 148 psi to 112 psi
Initial Shut-In 117 Min. ISIP 1623 psi
Final Flow 93 Min. FFP 129 psi to 93 psi
Final Shut-In 176 Min. FSIP 1533 psi
Tool off Bottom @ 2:25 P.M. Final Hydrostatic 2736 psi Temp. 134

Flow: Strong throughout. Gas to surface in 3 min.

Recovery: 180' Total Fluid. (.77 bbl.)
120' Gas Cut Mud. (0.51 bbl.)
60' Oil & Gas Cut Mud. (0.26 bbl.)

Gas Flow: 195 MCF/D @ end of F.F.P. (see attached sheet)

Sampler Data:
Pressure 100 PSI
Gas 0.21 cu. ft.
Total Fluid 400 cc
Oil _____ cc
Water _____ cc
Mud 400 Oil & Mud Emulsion cc
Oil Gravity _____ @ _____ °F.
Gas/Oil Ratio _____

Remarks: Fluid Analysis:
Cl. PPM S.G. Ph. Rw.
Pit: 3000 1.005 8 1.20 @ 65 F.
Top: 3500 1.005 8 1.20 @ 65 F.
Middle 4000 1.005 8 1.00 @ 65 F.
Bottom 6500 1.005 8 0.70 @ 65 F.
Sampler 8500 1.010 8 0.50 @ 65 F.
5% Oil

Tester Butch Young Witnessed by: Jim Mabry

RECEIVED
STATE COMMISSION
JUL - 8 1993
CONSERVATION DIVISION
Wichita, Kansas

Pressure Break Down

Test ticket no. 3426 Recorder no. 10269 Capacity 6500 Rec. Depth. 5607'

Initial Flow pressure	<u>148</u> to <u>112</u>	Time	<u>Given</u> <u>60</u>	<u>Computed</u> <u>61</u>
Initial Closed in pressure	<u>1623</u>		<u>120</u>	<u>117</u>
Final Flow pressure	<u>129</u> to <u>93</u>		<u>90</u>	<u>93</u>
Final Closed-in pressure	<u>1533</u>		<u>180</u>	<u>176</u>
Initial Hydrostatic pressure	<u>2745</u>	Final Hydrostatic press.	<u>2736</u>	Temp <u>134</u>

Initial Flow Press.		Initial Closed in Press.		Final Flow Press		Final Closed in Press.	
Minutes	Press	Minutes	Press	Minutes	Press	Minutes	Press
0	--	0	112	0	--	0	93
5	148	6	1305	5	129	10	1234
10	132	12	1385	10	119	20	1327
15	125	18	1430	15	109	30	1376
20	122	24	1466	20	106	40	1408
25	119	30	1488	25	103	50	1437
30	119	36	1511	30	96	60	1456
35	119	42	1530	35	87	70	1472
40	116	48	1543	40	83	80	1485
45	116	54	1556	45	83	90	1495
50	116	60	1569	50	87	100	1501
55	116	66	1581	55	87	110	1508
60	112	72	1588	60	87	120	1514
61	112	78	1594	65	87	130	1520
		84	1601	70	90	140	1524
		90	1607	75	90	150	1527
		96	1614	80	90	160	1530
		102	1617	85	93	170	1530
		108	1620	90	93	176	1533
		114	1623	93	93		
		117	1623				

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 Wichita, Kansas