

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

ORIGINAL

SEP 24

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 Corp.

Operator Contact Person: Jim R. Pendergrass

Phone (405) 478-6514

Contractor: Name: H-40 Drilling, Inc.

License: 30692

Wellsite Geologist: Petroleum Mud Logging

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW 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. _____

7/10/92 7/18/92 9-8-92
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21255-0000

County Seward

NE NE NW Sec. 17 Twp. 51 N R. 10 B E/W

1250 330 Feet from X/N (circle one) Line of Section

1250 2190 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 # 3-17

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2784 KB _____

Total Depth 5,860' PBTD 2,728'

Amount of Surface Pipe Set and Cemented at 1530' 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 cmt.

Drilling Fluid Management Plan ALT 1 OK 10-21-92
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 11000 bbls

Dewatering method used Evaporation/Dry Out

Location of fluid disposal if hauled offsite: _____

RELEASED

Operator Name _____

Lease Name 6012-6-1993 License No. _____

Quarter Sec. _____ 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 Jim R. Pendergrass Jim R. Pendergrass

Title Drilling Superintendent Date Sept. 24, 1992

Subscribed and sworn to before me this 24th day of September, 1992.

Notary Public Connie B. Turner

Date Commission Expires September 2, 1996

RECEIVED
STATE CORPORATION COMMISSION

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Geologist Report Received

SEP 28 1992

Distribution

KCC

KGS

SWD/Rep Wichita, Kansas

Plug Other

9-28-92 (Specify)

P1

Operator Name Cabot Oil & Gas Corporation Lease Name Johnson Well # 3-17
 Sec. 17 Twp. 32S 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 (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	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	
		Et. Riley	2662	
		Council 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 <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
Conductor	36"	20"		70'	6 yards 6/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 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
1 SPF	Ft. Filey	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 N2 Foam, 111,213 # 20/20 sand	2537'-2553'

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 MCFD	Water 0 Bbls.	Gas-Oil Ratio	Gravity .719

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 _____

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES
INDUSTRIAL SERVICES

SEP 24

ORIGINAL

DSI SERVICE ORDER
RECEIPT AND INVOICE NO. **03-12-4375**

DSI SERVICE LOCATION NAME AND NUMBER
City 5505, 8-03-75

CONFIDENTIAL

CUSTOMER NUMBER: [blank] CUSTOMER P.O. NUMBER: [blank] TYPE SERVICE CODE: **271** BUSINESS CODES: [blank]

CUSTOMER'S NAME: **Cabot Oil & Gas** WORKOVER NEW WELL OTHER: WORK OVER: ARI OR IC NUMBER: [blank]

ADDRESS: [blank] ARRIVE LOCATION: **7/21/92 0200**

CITY, STATE AND ZIP CODE: [blank] SERVICE ORDER RECEIPT

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or CONTRACT NO. [blank] in accordance with the terms and conditions as printed on the reverse side of this form.

certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

MO. DAY YR. TIME: [blank] JOB COMPLETION: **7/21/92 0600**

STATE CODE: **KS** COUNTY/PARISH: **DeWard** CITY: [blank] SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **Carl Cowley**

WELL NAME AND NUMBER / JOB SITE: **Johnson #3-17** LOCATION AND POOL/PLANT ADDRESS: **Sec 17-22S-33W** SHIPPED VIA: **DS**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059200-002	mil pipe	EA	20	26.5	530.00
102871-015	Pump chg	EA	1	930.00	930.00
059697-000	PACK chg	EA	1	165.00	165.00
048601-000	cement head manifold	EA	1	60.00	NIC
049102-000	hauling	Ton/ft	709	.84	595.56
049100-000	seal chg	EA	808	1.15	929.20
040003-000	D 90 - 1/2" x 1/2"	EA	1540	7.75	11935.00
045008-000	D 35 - 1/2" x 1/2"	EA	210	3.83	804.30
045014-050	D 20 - 1/2" x 1/2"	EA	3132	1.66	5199.12
067005-100	D 24 - 1/2" x 1/2"	EA	1576	2.54	3999.04
044003-025	D 29 - 1/2" x 1/2"	EA	150	1.53	229.50
050001-085	Tr. Pathen shoe	EA	1	205.00	205.00
053003-085	active Fittin seat	EA	1	320.00	320.00
056011-085	centralizer	EA	1	432.00	432.00
056702-085	Top plug	EA	1	95.00	95.00
057499-001	throat lock	EA	1	29.50	29.50

RELEASED

001201993

Thanks For using DS

Field est. 9898.52

FROM CONFIDENTIAL

LICENSE/REIMBURSEMENT FEE: [blank]

LICENSE/REIMBURSEMENT FEE: [blank]

REMARKS: [blank]

STATE: [blank] COUNTY: [blank] CITY: [blank]

SIGNATURE OF DSI REPRESENTATIVE: **Tamra Craun** TOTAL \$: [blank]

DATE: **SEP 29 1992** DIVISION: **Wichita, Kansas**

ORIGINAL



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-4575 DATE: 7-11-92
 STAGE: DS DISTRICT: WY-5505, K.C.

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **Johnson #3-17** LOCATION (LEGAL) **Sec. 17-325-334**
 FIELD POOL **Sec. 17-325-334** FORMATION
 COUNTY/PARISH **Seward** STATE **KS.** API. NO.
 NAME **Cabot Oil & Gas**
 AND
 ADDRESS
 ZIP CODE

RIG NAME: **H-40 Drilling #1**
 WELL DATA: **J. BOTTOM** **SEP 24** TOP
 BIT SIZE: **2 1/4** CSG/Liner Size: **3 1/8**
 TOTAL CBP: **8'** WEIGHT: **2 1/2**
 ROT CABLE FOOTAGE: **1532.5** **CONFIDENTIAL!**
 MUD TYPE GRADE: **HS**
 BHST THREAD: **820**
 BHCT
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S): **38.7** TOTAL
 MUD VISC. Disp. Capacity: **95**

SPECIAL INSTRUCTIONS
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: **630** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: **1110** PSI BUMP PLUG TO: **1110** PSI
 ROTATE: RPM RECIPROCATATE FT No. of Centralizers: **6**

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

Float	TYPE	Oil Field Fill	TYPE
DEPTH		1493.81	DEPTH
SHOE	TYPE	T+ Pattern	TYPE
DEPTH		1532.51	DEPTH

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR W NEW USED CASING VOL. BELOW TOOL Bbls
 BOT OR W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED aBl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION		SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE		
0001 to 2400												
0447		1790			11			0700	7-11-92	0700	7-11-92	PRE-JOB SAFETY MEETING PSI test
0448		0	10		6.7	H10						start H2O ahead
0450		130	212		8.4	cmt	12.4					start lead cmt.
0503		180		92	6.7	cmt	12.4					PSI check
0515		180		171	6.7	cmt	12.4					PSI check
0522		210	35		6.7	cmt	14.8					start tail cmt.
0525		270		216	6.7	cmt	14.8					PSI check
0528		0										shutdown drop top plug
0528		0	95		5.5	H20						start displacement
0531		70		10	5.5	H20						PSI check
0535		130		30	5.5	H20						PSI check
0537		170		40	5.5	H20						PSI check
0537		190		43	5.5	H20						cement to surface
0542		400		71	5.4	H20						PSI check
0546		520		90	2	H20						lower rate
0548		1110		95	2	H20						bump top plug
0549												check float + holding

REMARKS: **END JOB**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
			BLS	DENSITY	BLS	DENSITY			
1.	600	1.98	class C	55ppg	+ 6% gal	+ 2% arclz	+ 1/4" 1st D29	211.5	12.4
2.									
3.	150	1.32	class C		+ 2% arclz			35.2	14.8
4.									
5.									
6.									

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. VOLUME DENSITY PRESSURE MAX. **7 MIN/PSI**

CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO **52** Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **95.1** Bbls TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE: **Carl Cowan** DS SUPERVISOR: **James Esquivel** DIVISION: **Wichita, Kansas**

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

ORIGINAL

OILFIELD SERVICES
INDUSTRIAL SERVICES

SEP 24

DSI SERVICE ORDER RECEIPT AND INVOICE NO. **4596**

DSI SERVICE LOCATION NAME AND NUMBER
03-12 JK
TYPE SERVICE CODE
285

CUSTOMER NUMBER
CUSTOMER P.O. NUMBER

CUSTOMER'S NAME
Cabot Oil & Gas

ADDRESS

CITY, STATE AND ZIP CODE

WORKOVER NEW WELL OTHER
API OR IC NUMBER

ARRIVE LOCATION
7/19/92 1630

DSI will furnish and customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. in accordance with the terms and conditions as printed on the reverse side of this form.

Provide materials and services to Safety cement 4 1/2" production casing.

SERVICE ORDER RECEIPT
I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

STATE CODE
Ks

COUNTY/PARISH CODE
Seward

CITY

JOB COMPLETION
7/19/92 1932

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Carl County

WELL NAME AND NUMBER, JOB SITE
Johnson #3-17

LOCATION AND POOL
Sec. 17-325-33W

SHIPPED VIA
D.S.

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
10287-1-030	Pump Trk. Chg.	Ea.	1	1165.00	1165.00
49102-000	Delivery Chg.	22.5	1013	84	850.92
49100-000	Service Chg.	FA3	543	1.15	624.45
48601-000	Cmt. Hoed Rental	Ea.	1	60.00	N/A
59697-000	PACR Chg.	Ea.	1	135.00	135.00
59200-002	Mileage Chg.	Mi.	4.5	2.65	119.25
40003-000	Class 2 1/2" Cmt.	SKs.	189	7.75	1469.75
40015-000	Class 1 1/2" Cmt.	SKs.	85	7.25	616.25
45008-000	Lite Poz III	SKs.	186	3.83	712.38
45014-050	0-20 Gc	Lbs.	1800	2.16	388.80
45004-050	0-44 Salt	Lbs.	823	1.11	913.53
45019-050	0-42 Ksolite	Lbs.	2122	.45	954.90
67005-100	5-1/2" Gc	Lbs.	505	3.34	1710.70
47002-050	0-46 Anti Foam	Lbs.	29	2.87	83.23
44003-025	0-29 Cellophane Flake	Lbs.	116	1.53	177.48
47007-050	0-65 TIC Dispersant	Lbs.	91	4.55	414.05
100297-050	CW100 Chemical Wash	Bbls.	10	33.25	332.50
12033-055	L55 Clay Stabilizer	Gal.	4	34.00	136.00
67011-000	M117 Potassium Chloride	Lbs.	350	2.6	910.00
50101-044	4 1/2" Cmt. Nose Guide Shoe	Ea.	1	110.00	110.00
51004-044	4 1/2" Flapper Float Collar	Ea.	1	240.00	240.00
56011-044	4 1/2" Centralizers	Ea.	7	50.00	350.00
56704-044	4 1/2" Top Rubber Plug	Ea.	1	74.00	74.00
56058-044	4 1/2" Cmt. Basket	Ea.	1	140.00	140.00
56014-044	4 1/2" Stop Ring	Ea.	1	17.00	17.00
5749-001	Thread Lck Kit	CA	1	23.50	23.50

SUB-TOTAL
Field Est. Rate \$ 9288.24

LICENSE/REIMBURSEMENT FEE

REMARKS: **Thank you for using Dowell Schlumberger.**

STATE % TAX ON \$
COUNTY % TAX ON \$
CITY % TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE
Greg Black

TOTAL \$

DATE: **09/20/1995**

RELEASED

CONFIDENTIAL

FROM CONFIDENTIAL

28 1000

Division

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 4596
 STAGE: DS DISTRICT: W/2555
 DATE: 7/19/92

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: Johnson # 3-17
 LOCATION (LEGAL): Sec 17-32S-33W
 RIG NAME: H40
 WELL DATA: BOTTOM SEP 24 TOP
 BIT SIZE: 7 7/8 CSG/Liner Size: 4 1/2
 TOTAL DEPTH: 10.5 WEIGHT: 10.5
 CONFIDENTIAL
 MUD TYPE: GRADE
 MUD DENSITY: 9.240
 MUD VISC.: 2731
 43.4

SPECIAL INSTRUCTIONS: Provide Materials + Services to Cont 4 1/2 Production CSG
 IS CASING/TUBING SECURED? YES
 LIFT PRESSURE: 1823 PSI
 PRESSURE LIMIT: 1000 PSI
 ROTATE: RPM RECIPROCATATE 20-30 FT No. of Centralizers 7

Head & Plugs: TBG, D.P., SQUEEZE JOB
 TOOL TYPE 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	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
19:10	2200	UA	1	-	16:30	7/19/92	16:30	7/19/92	20:30	7/19/92	
19:12	UA	220	25	-							
19:17		550	108	-							
19:25		200	35	-							
19:35		0	0	-							
19:38		100	43	-							
19:44	UA	220	33	-							
19:49		1290	43	-							
19:50		0	0	-							
19:50											

REMARKS: Displaced w/ 2% Kcl + 1 Gal per 500 Gal Clay Stabilizer

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1.	2.	3.	4.	BBLs	DENSITY
1.	270	2.10	35/105	70/14	10% Q20 + 2% Q21 + 1/4 #1/8k Q29	108.5	12.2	
2.	170	1.45	50/50	70/14	2% Q20 + 10% Q44 +			
3.					5% Q65 + 2% Q46 +			
4.					12.5 #1/8k Q42 + 1/4 #1/8k Q29	43.9	14.5	
5.								
6.								

BREAKDOWN FLUID TYPE: HESITATION SQ., RUNNING SQ., CIRCULATION LOST
 DENSITY: 43
 PRESSURE: MAX 1290 MIN 0
 CUSTOMER REPRESENTATIVE: Carl Cawan
 SUPERVISOR: Greg Black