

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

API NO. 15- 175-21404-0000
County SEWARD
C - NE - NE Sec. 8 Twp. 33S Rge. 33 E

ORIGINAL

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:

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 SWD
 Plug Back PBSD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

8/4/94 8/16/94 9/28/94

Spud Date Date Reached TD Completion Date

660 Feet from S/N (circle one) Line of Section

660 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 BRYANT "B" Well # 5-8

Field Name EVALYN-CONDUIT

Producing Formation CHESTER/MORROW

Elevation: Ground 2799' KB

Total Depth 6170' PBDT 6110'

Amount of Surface Pipe Set and Cemented at 1520' 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 1 294 5-9-95
(Data must be collected from the Reserve Pit)

Shale content 4500 ppm Fluid volume 11,100 bbls

Dewatering method used EVAPORATION, DRY OUT & BACKFILL

Location of fluid disposal if hauled offsite:

RELEASED

JAN 11 1996

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Operator Name KGC

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

NOV 1
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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-41 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 James R. Henry JAMES R. HENRY

Title ENGINEER Date 11/1/94

Subscribed and sworn to before me this 1st day of NOVEMBER

Notary Public *Cherie B. Turner*

Date Commission Expires SEPT. 2, 1996

CONSERVATION DIVISION OFFICE USE ONLY
WICHITA, KANSAS
Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name CABOT OIL & GAS CORPORATION Lease Name BRYANT "B" Well # 5 -8
 Sec. 8 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:
 DIL/GR
 Compensated Neutron Density
 GR, Micro

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Log Formation (Top). Depth and Datums		Sample
Name	Top	Datum
Herrington	2534'	
Krider	2562'	
Winfield	2595'	
Towanda	2708'	
Council Grove	2867'	
B/Heebner	4183'	
Toronto	4190'	
Lansing	4313'	
Marmaton	4964'	
Cherokee	5173'	
Atoka	5337'	
13 Finger	5444'	
Morrow	5546'	
Chester	5760'	
St. Genevieve	6074'	

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	12-1/4"	8-5/8"	24 #/Ft.	1520'	35/65 POZ Class H	550	6" D20, 2% cc, 1/4" #029
					Class H	150	2% cc
Production	12-1/4"	5-1/2"	15.5 #/Ft.	6164'	50/50 Poz H	175	12 1/2# D-42 2% D-46

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
4 SPF	6040'-6044'	LOWER CHESTER	Acidize Chester w/1000 gals NARS - 201	6040'-6044'
			Frac Chester w/40,038 gals YF130 + 91967# 20/40 Jordan Sand	
			Treat Morrow w/2000 gals MSR-100 Water	
1 SPF	5737'-5750' 5762'-5770'	MORROW	Frac Morrow w/30998 gals YF135 + 153473# 20/40 Jordan Sand	5737'-5770'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	5871'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		490			

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Production Interval 5737'-6044'
 (If vented, submit ACO-18.)

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 73-12-6380	DATE 8/15/94
STAGE 03	DISTRICT ULYSSES, KANSAS

DS-495-A PRINTED IN U.S.A.

WELL NAME AND NO. BRYANT B #508	LOCATION (LEGAL) SEC. 8-335-33W
FIELD-POOL HUGOTON	FORMATION Moranw/Chaska
COUNTY/PARISH SEWARD	STATE KANSAS
NAME Cabot Oil & Gas	
ADDRESS ORIGINAL	

RIG NAME: H-40 #1
WELL DATA: BIT SIZE 7 7/8 CSQ/Liner Size 5 1/2
TOTAL DEPTH 6170 WEIGHT 15.5
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE FOOTAGE 6164.88
MUD TYPE W3 GRADE
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT 142°F THREAD 810
MUD DENSITY 9 LESS FOOTAGE (SIDE JOINTS)
MUD VISC. 6119.78 Disp. Capacity 6119

SPECIAL INSTRUCTIONS
SPRUE LENGTH 5 1/2" CASING AS DIRECTED BY CUSTOMER.

NOTE: (Include Footage From Ground Level To Head In Disp. Capacity)
Foot TYPE FLAPPOK FLOAT COLLAR TYPE
DEPTH 6119.78 DEPTH
SHOE TYPE CMT NO. 56 TYPE
DEPTH 6164.88 DEPTH
Head & Plugs <input type="checkbox"/> TBG <input type="checkbox"/> D.P. SQUEEZE JOB
<input type="checkbox"/> Double SIZE
<input type="checkbox"/> Single WEIGHT
<input type="checkbox"/> Swage GRADE
<input type="checkbox"/> Knockoff THREAD
TOP <input type="checkbox"/> OR <input type="checkbox"/> NEW <input type="checkbox"/> USED
BOT <input type="checkbox"/> OR <input type="checkbox"/> DEPTH

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IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
LIFT PRESSURE 4265 PSI CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT 500 + LIFT PSI BUMP PLUG TO 500 + LIFT PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers 10

TIME	PRESSURE		VOLUME PUMPED		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCHES	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
00:01 to 2400											
00:13											
00:18		50	10	-	4	GEL					
00:25		170	10	10	4	WASH					
00:27		280	5	20	5.8	H ₂ O	8.34				
00:28		320	45	25	6	CMT	13.9				
00:37				70	6	H ₂ O	8.34				
± 00:42			145	70	6	H ₂ O	8.34				
01:00		540		205	2	H ₂ O	4.34				
				215							
01:11		1070	0.7	215		H ₂ O	8.34				
				257		RELEASED	8.34				

ARRIVE ON LOCATION TIME: 19:00 DATE: 8/15/94
LEFT LOCATION TIME: 01:50 DATE: 8/16/94

PRE-JOB SAFETY MEETING
START JOB. Press. TEST TO 1500 ps. TEST
START PUMPING GEL
START PUMPING CHEMICAL WASH CW 10
START PUMPING WATER
START CASING SWIRL
START DISPLACEMENT
SHUTDOWN. WASH LINES DROP W/CE
START DISPLACEMENT
LOWER PUMP RATE
STOP DISPLACEMENT
PUMP ± 0.7 GAL MORE
Bump Plug
TEST FRONT FLOAT HEAD
Release Dowell

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NOV 1

NOV 03 1994

FROM CONFIDENTIAL

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			50/50 H ₂ O ₂ + 2% D20 + 10% D44	90% D44 + 6.2% D46	BBLS	DENS
1.	175	1.47	50/50 H ₂ O ₂ + 2% D20 + 10% D44	90% D44 + 6.2% D46	45.82	13
2.			+ 12.5 A/SK D42			
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE PIA VOLUME N/A DENSITY: N/A PRESSURE 1000 MAX.
<input type="checkbox"/> HESITATION SQ. <input type="checkbox"/> RUNNING SQ. CIRCULATION LOST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 145.65 BBLS
Washed Thru Peris <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO TO FT. MEASURED DISPLACEMENT <input checked="" type="checkbox"/> WIRELINE
PERFORATIONS TO TO CUSTOMER REPRESENTATIVE MR. Bill Westenhaver DS SUPERVISOR DAVID R. SARVER

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: **0312-6362** DATE: **8/5/94**
STAGE: **DS** DISTRICT: **ULYSSES, KS**

DG-406-A PRINTED IN U.S.A.

WELL NAME AND NO.: **CLYBNT B# 5-8**
LOCATION (LEGAL): **SEC 8 - 33 S - 33 W**
FIELD-POOL: **HUCOTON**
FORMATION: **SURFACE**
COUNTY/PARISH: **SEWARD** STATE: **KS** API. NO.:
NAME: **CABOT OIL & GAS**
AND: **ORIGINAL**
ADDRESS:
ZIP CODE:

RIG NAME: **H40 #1**
WELL DATA:
BIT SIZE: **12 1/8** CBQ/Liner Size: **8 3/8**
TOTAL DEPTH: **1550** WEIGHT: **24**
 ROT CABLE FOOTAGE: **1573**
MUD TYPE: GRADE
 BHST BHCT THREAD: **8 rd**
MUD DENSITY: LESS FOOTAGE BRICE JOINT? **TOT.**
MUD VISC. Disp. Capacity

SPECIAL INSTRUCTIONS: **Pump 550 at lead end
(65/35 H/Poz + 6% DZ + 2% SI + 1/4" lead)
Pump 150 at Tail (Clam H + 2% S x.)
Displace with water (94-2 bbl)
to Pump top plug as instructed by client.**

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

SHOE	DEPTH	TYPE	SHOE	DEPTH	TYPE
		INSERT AUTOFLU			
		1479-07			
		TEXAS I.			
		1523-25			

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

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE: **625** PSI CASING WEIGHT - SURFACE AREA: **13.14 x Hg 38 1/2**
PRESSURE LIMIT: **1500** PSI BUMP PLUG TO: **1500** PSI
ROTATE: RPM RECIPROCATATE FT No. of Centralizers: **7**

JOB SCHEDULED FOR TIME: **16:00** DATE: **8/5/94** ARRIVE ON LOCATION TIME: **15:45** DATE: **8/5/94** LEFT LOCATION TIME: **2:30** DATE: **8/6/94**

TIME	PRESSURE		VOLUME PUMPED DBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION			LEFT LOCATION		
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
18:50													
19:00													
19:05	90		10		5-8	H ₂ O	8-3						
19:07	120	60	60		5-8	Lead	12-4						
19:16	100	40	100		5-8	Lead	12-4						
19:23	80	40	140		5-7	Lead	12-5						
19:31	70	20	160		4-0	Lead	12-A						
19:35	90	30	190		5-8	Lead	12-5						
19:42	30	18	18		4-0	tail	16-4						
19:46	70	9	27		3-9	tail	16-3						
19:48	0				0								
19:51	110	38	38		5-8	H ₂ O	8-3						
19:57	110	27	65		5-9	H ₂ O	8-3						
20:02	240	15	80		5-8	H ₂ O	8-3						
20:10	320	A	84		3-5	H ₂ O	8-3						
20:22	400	11-5	95-6		2-0	H ₂ O	8-3						
20:30													

REMARKS: **PRE-JOB SAFETY MEETING
K-Test To 1500 PSI NOV 1
Pump water ahead
Start Lead during @ CONFIDENTIAL
1st check / identify check
2nd check / identify check
3rd check / identify check
Start Tail during @ 16:41/157 1996
P2 & identify check
Drop top plug FROM CONFIDENTIAL
Displace with water
P2 check
P2 check
P2 check
Stop pumping high
Stop pumps.**

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			1	2	3	BBLs	DEN	
1.	750	1.98	65/35	H/Poz + 6% DZ + 2% SI	STANDARD		190	12
2.	150	1.05	Clam H + 2% SI				27	16
3.								
4.								
5.								
6.								

NOV 03 1994
CONSERVATION DIVISION

BREAKDOWN FLUID TYPE: RESISTATION SO. RUNNING SO. CIRCULATION LOST DENSITY: YES NO PRESSURE: MAX. **400** MIN: **10**
BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. **94.2** BBLs Cement Circulated To Surf. YES NO
Washed Thru Parts: YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
PERFORATIONS: TO TO CUSTOMER REPRESENTATIVE: **A.D. [Signature]** DS SUPERVISOR: **[Signature]**

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 0512-0262	DATE 8/6/94
STAGE	DISTRICT ULYSSES, KS

DS-486A PRINTED IN U.S.A.

WELL NAME AND NO. BOYART B# 1-5	LOCATION (LEGAL) SEC 5
FIELD-POOL HUGOTON	FORMATION SUCCEED
COUNTY/PARISH	STATE
	API. NO.

WELL DATA:		BOTTOM	TOP
BIT SIZE 12 1/4	CBS/Liner Size 11 3/4		
TOTAL DEPTH 530	WEIGHT 24		
<input type="checkbox"/> HOT <input type="checkbox"/> CABLE	FOOTAGE 1523		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHGT	THREAD 8rd		
MUD DENSITY	LESS FOOTAGE BHOE JOINTED		TOTAL
MUD VISC.	Disp. Capacity		

NAME **CSBOT OH & GAS**

AND **ORIGINAL**

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

Top up surface annulus with 16-4 # Clay # + 150# Culez

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **7300** PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers

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

HEAD & PLUGS	<input type="checkbox"/> T80 <input type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double	SIZE 1"	TOOK TYPE
<input type="checkbox"/> Single	WEIGHT	DEPTH
<input type="checkbox"/> Sweep	GRADE	TAIL PIPE: SIZE DEPTH
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME
TOP OR OW	<input type="checkbox"/> NEW <input checked="" type="checkbox"/> USED	CASING VOL. BELOW TOOL
BOT OR OW	DEPTH 80'	TOTAL
		ANNUAL VOLUME

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 16:00 DATE: 8/5/94			ARRIVE ON LOCATION TIME: 15:45 DATE: 8/5/94		LEFT LOCATION TIME: 2:30 DATE: 8/6/94	
	T80 OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING			
1:10								Pump down @ 16 1/2			
1:15	470		26	26	2-5	Tail	16.4	Prt checked			
1:25	550		8	34	2-6	Tail	16.4	Flush 1 BBL water			
1:28	400		1	1	2-0	H2O	8.3	Stop pumps - end job.			
1:30	0				0						
RELEASED											
JAN 1 1996											
FROM CONFIDENTIAL											
NOV 1											
CONFIDENTIAL											
CONFIDENTIAL											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/BK	COMPOSITION OF CEMENTING SYSTEM	RECEIVED CORPORATION COMMISSION	SLURRY MIXED BBLs	DENSI
1.	150	1.05	Clay # + 150# Culez	NOV 0 3 1994	34	16.
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE

HESITATION SO. RUNNING SQ. CIRCULATION LOST YES NO

DENSITY PRESSURE MAX. **550** AMN.

Cement Circulated To Surf. YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls

Washed Thru Parts YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORMANCES TO TO

CUSTOMER REPRESENTATIVE **[Signature]** DS SUPERVISOR **[Signature]**