

ORIGINAL

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

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: 2-28-92

Well Name: _____

Comp. Date _____ Old Total Depth MAP 1 8 1992

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

11-20-91 12-1-91 2-14-92
Spud Date Date Reached TD Completion Date

API NO. 15- 175,21,221-0000

County Seward

- - W/2 - SW Sec. 30 Twp. 32S Rge. 33 XX ^E _V

1320' Feet from S (circle one) Line of Section

660' Feet from E (circle one) Line of Section

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

Lease Name Luft Well # 3-30

Field Name (Hitch) Hugoton

Producing Formation Chase

Elevation: Ground 2849' KB 2861'

Total Depth 6350' PBTB 2850'

Amount of Surface Pipe Set and Cemented at 1630' 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

(Data must be collected from the Reserve Pit)

Chloride content 3750 ppm Fluid volume 8000 bbls

Watering method used Evaporation & Drying Out

Location of fluid disposal if hauled offsite:

Wichita, Kansas
Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

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 Jim R. Pendergrass
Title Drilling Superintendent Date 2/24/92

Subscribed and sworn to before me this 25 day of February, 19 92.

Notary Public Deberta E. Mitchell

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
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

Operator Name Cabot Oil & Gas Corporation Lease Name Luft Well # 3-30

Sec. 30 Twp. 32S Rge. 33 County Seward

East
 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:

SPECTRALOG COMPENSATED NEUTRON DENSITY
CEMENT BOND DUAL INDUCTION
DIVERTER GAMMA MINILOG
FLOWMETER CALIPER

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
Herrington	2557'	
U. Krider	2583'	
L. Krider	2618'	
Winfield	5582'	
Ft. Riley	5777'	
TD	6350'	

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#	1630'	35-65 poz Class H	550 150	2% cc
Production	7 7/8"	4 1/2"	10.5#	6003'	50-50 poz	175	10% salt
						275	6% gel

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 spf	Chase= Herrington 2557-64; U. Krider 2586-94 and L. Krider 2620-40	Acidized-w/4500 gals 15% Hcl + 76 ball sealers and fraced w/38,280 gals Boragel + 120,500# 12/20 Brady Sand
2 spf	L. Morrow 5766-74 & 5780-86 Chester 5840-46 & 5814-16	Acidized w/5000 gals 15% NEFE Hcl acid + 100 ball sealers + 29 bbls 2% Kcl wtr.

TUBING RECORD	Size	Set At	Packer At	Liner Run
85 its	2 3/8"	2691'	CIBP @ 5716' & 2850'	<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
		58 mcf			

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



INVOICE

#22231

REMIT TO: P O BOX 360182
PITT. PA 15230

INVOICE DATE	12/01/91
INVOICE NUMBER	03-12-4170
PAGE	1
TYPE SERVICE	CEMENTING CEMENT PRODUCTION

0312

911090
CABOT CORPORATION

P O BOX 590
GUYMON

OK 73942

PAID

JAN 30 1992

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
LUFT 3-30	KS	SEWARD	ULYSSES	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC			12/01/91	JOHN HANNA	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871060	CSNG CMNT 5501-6000' 1ST 8HR	8HR	1	1,560.0000	1,560.00
048016000	CEMENT PUMPER-PER ADDL STAGE	8HR	1	1,025.0000	1,025.00
049102000	TRANSPORTATION CMNT TON MILE	MT	819	.8400	687.96
049100000	SERVICE CHG CEMENT MATL LAND	CFT	437	1.1500	502.55
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	135.0000	135.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	45	2.6500	119.25
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
040015000	D909, CEMENT CLASS H	CFT	201	7.2500	1,457.25
045000000	D35, LITEPOZ 3 EXTENDER	CFT	199	3.8300	762.17
045014050	D20, BENTONITE EXTENDER	LBS	672	.1600	107.52
045004050	D44, GRANULATED SALT	LBS	1814	.1100	199.54
047007050	D65, TIC DISPERSANT	LBS	168	4.5500	764.40
047002050	D46, ANTIFOAM	LBS	67	2.8700	192.29
051003044	SHOE FLPR FLT AL 4-1/2"	EA	1	285.0000	285.00
052004044	COLLAR ORF FILL AL 4-1/2"	EA	1	410.0000	410.00
056011044	CENTR REG 4-1/2, B DIA 7-3/4"	EA	15	50.0000	750.00
054001044	COLLAR 2 STG CEM 4-1/2"	EA	1	2,750.0000	2,750.00
056014044	RING STOP HAMMER 4-1/2"	EA	1	17.0000	17.00
056000044	BASKET CEMG CASING 4-1/2"	EA	1	140.0000	140.00
057499001	K232, THD LKG COMPOUND KIT	EA	1	23.5000	23.50
100283000	D827, CHEMICAL WASH CW100	BRL	20	33.2500	665.00
	DISCOUNT MATERIAL				2,983.28
	DISCOUNT				1,410.42

RECEIVED
STATE CORPORATION COMMISSION

FEB 28 1992

APPROVED	DISCOUNT	DISC	CONSERVATION DIVISION	OTHER	
DUE	AMT	AMT	AMT	AMT	8,159.73
M C	STATE TAX ON				235.47
H F C	LOCAL TAX ON				55.40
933012	3175.00	8.00	1106.8		8,450.60
				AMOUNT DUE	

WITH QUESTIONS CALL 316-356-1772

FEDERAL TAX ID # 38-239-7173

TERMS -- NET 30 DAYS DUE ON OR BEFORE JAN 01, 1992

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson
J B WATSON



INVOICE

#22231

REMIT TO:

P O BOX 360102
PITT. PA 15230

0312

INVOICE DATE
11/21/91

PAGE	1
INVOICE NUMBER	03-12-4154

TYPE SERVICE
CEMENTING CEMENT SURFACE C

911090
CABOT CORPORATION

P O BOX 590
GUYMON OK 73942

PAID

JAN 30 1992

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
LUFT 3-30	KS	SEWARD	ULYSSES		
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 30-32S-33W			11/21/91	FRANK BURKE	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	15	2.6500	39.75
102871020	CSNG CHNT 1501-2000' 1ST 8HR	8HR	1	1,050.0000	1,050.00
049102000	TRANSPORTATION CHNT TON MILE	MI	497	.8400	417.48
049100000	SERVICE CHG CEMENT MATL LAND	CFT	773	1.1500	888.95
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	135.0000	135.00
040015000	D909, CEMENT CLASS H	CFT	508	7.2500	3,683.00
045008000	D35, LITEPOZ 3 EXTENDER	CFT	192	3.8300	735.36
045014050	D20, BENTONITE EXTENDER	LBS	2871	.1600	459.36
067005100	S1, CALCIUM CHLORIDE	LBS	1239	.3400	421.26
044003025	D29, CELLOPHANE FLAKES	LBS	176	1.5300	269.28
050001005	SHOE REG PTTN GUIDE 8-5/8"	EA	1	215.0000	215.00
053003005	INSERT ORIFICE FILL 8-5/8"	EA	1	320.0000	320.00
056011005	CENTR REG 8-5/8, B DIA 12"	EA	4	72.0000	288.00
056702005	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	95.0000	95.00
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
	DISCOUNT - MATERIAL				2,659.36
	DISCOUNT - SERVICE				1,037.79
SUB TOTAL --					5,320.29

M C	STATE TAX ON	3,826.90	162.64
M F C	LOCAL TAX ON	3,826.90	38.27
		AMOUNT DUE --	5,521.20

APPROVED: *[Signature]*

ACCT #	POST CONTR	PROPERTY #	AMT	STATE	RECEIVED
1330012	KS	1750088001	11068		FEB 28 1992

CONSERVATION DIVISION
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272
 FEDERAL TAX ID # 38-239-7173
 TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 21, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson
T. B. WATSON

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

DS-496 PRINTED IN U.S.A.

TREATMENT NUMBER 05-12-4170	DATE 12-1-91
STAGE 2	DISTRICT OLYSSSES KS

WELL NAME AND NO. **Unit 3-30**

FIELD POOL

COUNTY/PARISH **Sevier** STATE **Kansas** API NO.

NAME **Chert Petroleum Corp.**

AND

ADDRESS

ZIP CODE

RIG NAME: **N40 #1**

WELL DATA:		BOTTOM		TOP	
BIT SIZE 7 7/8	CSG/Liner Size 4 1/2				
TOTAL DEPTH	WEIGHT 10.5				
<input checked="" type="checkbox"/> ROY <input type="checkbox"/> CABLE	FOOTAGE 5999				
MUD TYPE	GRADE				
<input type="checkbox"/> BHST	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINTS 8.8				TOTAL
MUD VISC.	Disp. Capacity 5911				

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

SPECIAL INSTRUCTIONS

TYPE FLAPER FLOAT	TYPE Wannercord
DEPTH 5911	DEPTH 2983
TYPE FLAPER Core Log	TYPE
DEPTH 5777	DEPTH

IS CASING/TUBING SECURED? YES NO

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

PRESSURE LIMIT **3900** PSI BUMP PLUG TO **2100** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers **15**

Head & Plugs TEG D.P. SQUEEZE JOB

Double Single Swage Knockout

SIZE WEIGHT GRADE THREAD

TOOL TYPE DEPTH

TAIL PIPE SIZE DEPTH

TUBING VOLUME Bbl

CASING VOL. BELOW TOOL Bbl

TOTAL Bbl

ANNUAL VOLUME Bbl

TIME	PRESSURE		VOLUME PUMPED (bbl)		JOB SCHEDULED FOR TIME DATE			ARRIVE ON LOCATION TIME DATE			LEFT LOCATION TIME DATE		
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
0001 to 2400													
2135		220	10		4	Oil							
2138		220	50	10	6	Oil	14.6						
2146		-		60	-								
2151		-		60	-								
2151		-	46.6	60	6								
2158		270		60	2								
2201		270		46.6	2								
2201		2100		46.6	-								

PRE-JOB SAFETY MEETING

2135 Start Oil 2100 ahead

2138 Oil 2100 ahead pumped, start cement

2146 Cement ahead, shut down - wash pump/lings

2151 Drop Closing Plug

2151 Start Displacement

2158 slow rate 20pm

2201 Bump Closing Plug

2201 BLEED OFF - CHECK TOOL - TOOL CLOSED

RECEIVED
STATE CORPORATION COMMISSION
DEC 23 1993
CONSERVATION DIVISION
Wichita, Kansas

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	225	1.25	50/50 (102/10) + 2% D20 + 10% D44 + .5% D65 + .2% D46				50	14.6
2.								
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 2100 MIN.

HESITATION SO. RUNNING SO. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL 46.6 Bbls

Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE SUPERVISOR

TO TO

[Signature] *[Signature]*

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 0510-4170
 DATE: 12/1/91
 STAGE: DS DISTRICT: UKS

DS-498 PRINTED IN U.S.A.

WELL NAME AND NO.: 701 3-30
 LOCATION (LEGAL):
 FIELD: Hugolon
 COUNTY: Seward STATE: KANSAS API. NO.:
 NAME: Calot Petroleum Corp
 ADDRESS:
 ZIP CODE:

SPECIAL INSTRUCTIONS:
Provide Materials + Services
To safely cmt 2 stage production
CSQ

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE: _____ PSI CASING WEIGHT - SURFACE AREA (3.14 x R²): _____

PRESSURE LIMIT: 1000 PSI BUMP PLUG TO: 650 PSI

ROTATE: _____ RPM RECIPROGATE: 10 FT No. of Centralizers: 15

JOB SCHEDULED FOR TIME: 0830 DATE: 12/1/91 ARRIVE ON LOCATION TIME: 0830 DATE: 12/1/91 LEFT LOCATION TIME: 2300 DATE: 12/1/91

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR OP	CASING	INCREMENT	CUM				
14:44	800	NA	1	-	1	160	8.33	PRE-JOB SAFETY MEETING 701 Test Line
14:47	NA	120	15	-	5.1	CW	14.0	CW 100 + 3pc
14:50		320	39	-	6.1	CMT	14.6	Start Cmt Slurry
14:57		0	0	-	0	-	-	Shut Down, wash line, Drop Plug
15:01		90	939	-	6.7	160 mud		Start Displacement
15:17		140	83	-	2.4	mud		Lower pump RT
15:21	NA	250	93	-	1.9	mud		Bump 17/18sq Plug
15:21		0	0	-	0	mud		Release psi
15:40		810	.3	-	.6	160	8.33	open OK Tool

RECEIVED
 STATE CORPORATION COMMISSION
 DEC 23 1991
 CONSERVATION DIVISION
 Wichita, Kansas

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			50/50 702/H	2% Q20	10% Q44	5% Q65	BBL'S	DENSITY
1	175	1.25	50/50 702/H	2% Q20	10% Q44	5% Q65		
2					+ 2% Q46		38.9	14.6
3	225	1.25	50/50 702/H	2% Q20	10% Q44	5% Q65	50	14.6
4					Q46			
5								
6								

BREAKDOWN FLUID TYPE: HESITATION SO. RUNNING SO. CIRCULATION LOST YES NO

BREAKDOWN: _____ PSI FINAL _____ PSI DISPLACEMENT VOL: _____ Bbls

Washed They Perls: YES NO TO _____ FT MEASURED DISPLACEMENT: _____ WIRELINE

PERFORATIONS: TO _____ TO _____ CUSTOMER REPRESENTATIVE: Frank Burke DS SUPERVISOR: Greg Black



INVOICE

ORIGINAL

REMIT TO: P O BOX 368182
PITT. PA 15238

0312

911890
CABOT CORPORATION

P O BOX 598
GUYDOR OK 73942

INVOICE DATE
12/01/91

CUSTOMER P.O. NO./REF
83-12-4170

CEMENTING
CEMENT PRODUCT

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM / LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF
LUFT 3-30	KS	SEWARD	ULYSSES	BS	
SEC			12/01/91	JOHN HANNA	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871060	CSMG CMNT 5501-6000' 1ST BR	BUR	1	1,560.0000	1,560.00
048016000	CEMENT PUMPER-PER ADDL STAGE	BUR	1	1,025.0000	1,025.00
049102000	TRANSPORTATION CMNT TEN MILE	MI	619	.8400	607.96
049100000	SERVICE CNG CEMENT NATL LAND	CFT	437	1.1500	502.55
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	135.0000	135.00
059200002	MILEAGE. ALL OTHER EQUIPMENT	MI	45	2.6500	119.25
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
040015000	D909. CEMENT CLASS H	CFT	201	7.2500	1,457.25
045000000	D35, LITEPOX 3 EXTENDER	CFT	199	3.8300	762.17
045014050	D20. BENTONITE EXTENDER	LBS	672	.1600	107.52
045004050	D44, GRANULATED SALT	LBS	1814	.1100	199.54
047007050	D65, TIC DISPERSANT	LBS	168	4.5500	764.40
047002050	D46, ANTIFOAM	LBS	67	2.8700	192.29
051003044	SHOE FLPR FLT AL 4-1/2"	EA	1	285.0000	285.00
052004044	COLLAR ORF FILL AL 4-1/2"	EA	1	410.0000	410.00
056011044	CENTR REG 4-1/2, D DIA 7-3/4"	EA	15	50.0000	750.00
054001044	COLLAR 2 STG CEM 4-1/2"	EA	1	2,750.0000	2,750.00
056014044	RING STOP HAMMER 4-1/2"	EA	1	17.0000	17.00
056000044	BASKET CEMG CASING 4-1/2"	EA	1	140.0000	140.00
057497001	K232. THD LKG COMPOUND KIT	EA	1	23.5000	23.50
100203000	D027. CHEMICAL WASH CM100	BBL	20	33.2500	665.00
	DISCOUNT - MATERIAL				2,983.28
	DISCOUNT - SERVICE				1,410.42

SUB TOTAL -- 8,159.73

STATE TAX ON 5,540.38 235.47

LOCAL TAX ON 5,540.38 55.40

AMOUNT DUE -- 8,450.60

RECEIVED
STATE CORPORATION COMMISSION

DEC 23 1993

CONSERVATION DIVISION
Wichita, Kansas

IFB QUESTIONS CALL 316-356-1272
 FEDERAL TAX ID # 38-239-7173
 TERMS -- NET 30 DAYS DUE ON OR BEFORE JAN 01, 1992

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson
 J B WATSON

WELL NAME AND NO.: **LUFT 3-30**
 LOCATION (LEGAL): **SEC 30-725**
 FIELD-POOL: _____
 COUNTY/PARISH: **SEWARD** STATE: **KANSAS** API. NO.: _____
 NAME: **CABOT COLO**
 AND: _____
 ADDRESS: _____
 ZIP CODE: _____

RIG NAME: **H40**
 WELL DATA:
 BIT SIZE: **12/4** CSGLiner Size: **8 5/8** BOTTOM: _____ TOP: _____
 TOTAL DEPTH: **1635** WEIGHT: **24**
 ROT CABLE FOOTAGE: **1631.01**
 MUD TYPE: _____ GRADE: _____
 BHST BHCT THREAD: **3/4**
 MUD DENSITY: _____ LESS FOOTAGE (SHOE, JOINTS): **44.25** TOTAL: _____
 MUD VISC.: _____ Disp. Capacity: **101.1** TOTAL: **101.1**

SPECIAL INSTRUCTIONS:
CEMENT 8YB SLURRY @ 1631 USING SYSTEMS LISTED BELOW AS DIRECTED BY CLIENT.

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

FIBER	TYPE	ORICE T. U. INSERT	TYPE	
	DEPTH	1586.96	DEPTH	
SPACE	TYPE	TRANS PATTERN	TYPE	
	DEPTH	1631.01	DEPTH	

Head & Plugs: TBG D.P. SQUEEZE JOB

Double WEIGHT TOOL TYPE

Single BRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME

Knockoff NEW (1 USED) CASING VOL. BELOW TOOL

TOP OR CW DEPTH TOTAL

BOT OR CW DEPTH ANNUAL VOLUME

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: **700** PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: **1500** PSI BUMP PLUG TO: **1200** PSI
 ROTATE: _____ RPM RECIPROCATATE _____ FT No. of Centralizers: **4**

JOB SCHEDULED FOR TIME: **7:00** DATE: **11/21/91** ARRIVE ON LOCATION TIME: **7:30** DATE: **11/21** LEFT LOCATION TIME: **12:00** DATE: **11/21**

TIME	PRESSURE		VOLUME PUMPED bbl		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
0001 to 2400								
1002		90	5		6.0	H ₂ O	8.33	START H ₂ O SPALL
1003		110	235	5	6.0	CM	12.6	START SLURRY
1040		170	27	235	6.0	CM	16.4	START TAIL SLURRY
1047				27				SHUT DOWN & PROP PLUG
1049		0	101		6.0	H ₂ O	8.33	START DISP
1055		150		40	6.0	"	"	CEMENT TO SURFACE
1104		400/100		90	2.0	"	"	SLOW RATE
1109		1200		101	2.0	"	"	BUMP PLUG
1110		1200/0						BLEED OFF / CEANT H ₂ O

RECEIVED
 STATE CORPORATION COMMISSION
 DEC 23 1991
 CONSERVATION DIVISION
 Wichita, Kansas

REMARKS: _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			BBLS	DENSITY	BBLS	DENSITY
1.	530	1.73	35/05	20.2 H ² O + 6% D ₂ O + 2% O ₂ + 1/4" H ₂ O	235	12.4
2.	150	1.18	H ² O	2% O ₂ + 1/4" H ₂ O	27	16.4
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE: _____ VOLUME: _____ DENSITY: _____ PRESSURE: _____ MAX. _____ MIN. _____

HESITATION SO. RUNNING SO. CIRCULATION LOST: YES NO Cement Circulated to Surf. YES NO

BREAKDOWN PSI: _____ FINAL PSI: _____ DISPLACEMENT VOL.: **101** BBls TYPE OF WELL: OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

Washed Thru Parts: YES NO TO: _____ FT MEASURED DISPLACEMENT: WIRELINE

PERFORATIONS: TO _____ TO _____ CUSTOMER REPRESENTATIVE: **FRANK BOEKE** SUPERVISOR: **Nick P... ..**



DOWELL SCHLUMBERGER INCORPORATED

ORIGINAL

REMIT TO: P O BOX 360182
PITT. PA 15230

INVOICE

0312'

ORIGINAL

INVOICE DATE
11/21/91

911090
CAGBT CORPORATION

P O BOX 590
GUYMON

OK 73942

INVOICE NUMBER
1
03-12-4154

TYPE OF SERVICE
CEMENTING CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
LIFT 3-30	KS	SEWARD	ULYSSES		1
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 30-32S-33W			11/21/91	FRANK BURKE	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	15	2.6500	39.75
102071020	CSNG CMNT 1501-2000' 1ST GHR	0HR	1	1,050.0000	1,050.00
049102000	TRANSPORTATION CHMT TON MILE	MI	497	.8400	417.48
049100000	SERVICE CHG CEMENT MAIL LAND	CFT	773	1.1500	888.95
059697000	PACK TREAT ANALYSIS RECORDER	JOB	1	135.0000	135.00
040015000	D909, CEMENT CLASS H	CFT	500	7.2500	3,625.00
045000000	D35, LITEPOZ 3 EXTENDER	CFT	192	3.8300	735.36
045014050	D20, BENTONITE EXTENDER	LBS	2871	.1600	459.36
067005100	S1.CALCIUM CHLORIDE	LBS	1239	.3400	421.26
044003025	D29, CELLOPHANE FLAKES	LBS	176	1.5300	269.28
050001005	SHOE REG PTTN GUIDE 8-5/8"	EA	1	215.0000	215.00
053003005	INSERT ORIFICE FILL 8-5/8"	EA	1	320.0000	320.00
056011005	CENTR REG 8-5/8,B DIA 12"	EA	4	72.0000	288.00
056702005	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	95.0000	95.00
040601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
	DISCOUNT - MATERIAL				2,659.36
	DISCOUNT - SERVICE				1,837.79
				SUB TOTAL —	5,320.29
H C	STATE TAX ON			3,826.90	162.64
H F C	LOCAL TAX ON			3,826.90	38.27
				AMOUNT DUE —	5,521.20

RECEIVED
STATE COMMISSION

DEC 23 1991

CONSERVATION DIVISION
Wichita, Kansas

WITH QUESTIONS CALL 314-356-1272
FEDERAL TAX ID # 38-239-7173
TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 31, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson
T. B. WATSON