

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

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 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 SOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, etc.)

SEP 29
CONFIDENTIAL

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. _____

6-5-92 6-18-92 8-22-92
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21254 - 0000

County Seward

C- NE - NE - NE Sec. 19 Twp. 33S Rge. 33 X E
W

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

330 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 Salley Well # 2-19

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2865' KB _____

Total Depth 6,543' PBD 5803'

Amount of Surface Pipe Set and Cemented at 1528 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 BLT 1 OR 10-29-92
(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 001 2 0 1093 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. 25, 1992

Subscribed and sworn to before me this 25th day of September, 1992.

Notary Public Conie 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)
SEP 29 1992
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Cabot Oil & Gas Corporation Lease Name Salley Well # 2-19
 Sec. 19 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input 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	2596	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	U. Krider	2624	
List All E.Logs Run:		L. Krider	2656	
		Winfield	2710	
		Ft. Riley	2773	
		Council Grove	2926	
		B/Heebner	4240	
		Totonto	4259	
		Lansing	4360	
		Marmaton	5055	
		Cherokee	5272	
		Atoka	5452	
		Morrow	5669	
		Chester	5918	
		St. Genevieve	6244	
		St. Louis	6378	

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
Surface	12-1/4"	8-5/8"	24#	1,528'	Lite Wt.	650	2% cc
					Class C	150	2% cc
Production	7-7/8"	5-1/2"	15.5#	5,896'	50/50 Poz	160	2% cc
					50/50 Poz	120	2% cc
					35/65 Poz	230	2% cc
					50/50 Poz	260	2% cc

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
	SEE ATTACHMENT		

TUBING RECORD	Size 2-3/8"	Set At 4766'	Packer At 5803'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9-14-92 First Sales	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. 0	Gas Mcf 250 MCF/D	Water Bbls. 0	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: 2596'-2730'

ORIGINAL

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
2	Morrow - 5699'-5719' CIBP @ 5650'	2000 gals 7½% MSR-100; 46000 gals N2 Foam; 32500# 20/40 Sand	
2	Lansing - 4361'-4429' CIBP @ 4300'	1000 gals 15% NE-FE; HCL 2% KCl	
2	U. Krider & Herrington 2596'-2635' L. Krider 2664'-2680'	4000 gals 15% NE-FE; 10000 gals 15% HCl; 75Q w/N2; 6068 gals 2% KCl; 7500# 20/40 sand	
4+	Winfield 2725'-2730'	5000 gals 15% NE-FE Acid	

RELEASED

SEP 20 1993

FROM CONFIDENTIAL

SEP 29
 CONFIDENTIAL

RECEIVED
 STATE REGULATION COMMISSION
 SEP 28 1992
 COMPLETION DIVISION
 Wichita, Kansas

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

ORIGINAL

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
03-12-4536

DSI SERVICE LOCATION NAME AND NUMBER
Ulysses, Kansas 03-12

CUSTOMER NUMBER: [] CUSTOMER P.O. NUMBER: [] TYPE SERVICE CODE: **285** BUSINESS CODES: []

CUSTOMER'S NAME: **Cabot Oil + Gas**
ADDRESS: []
CITY, STATE AND ZIP CODE: []

WORKOVER NEW WELL OTHER
API OR IC NUMBER: []

FROM CONFIDENTIAL

ARRIVE LOCATION MO. DAY YR. TIME
6 19 92 1100

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.

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.

SEP 29

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JOB COMPLETION MO. DAY YR. TIME
6 20 92 0930

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
[Signature]

STATE CODE COUNTY/PARISH CODE CITY
Kansas Seward

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA
Sally #2-19 Sec. 19 335-330 D.S.

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102877-060	Pump Truck Chg	Ea.	1	1560.00	1560.00
048016-000	Multiple Stage Cementing Pump	Ea.	2	1025.00	2050.00
049102-000	Delivery Chg	T/m.	399	.84	335.16
049100-000	Service Chg	CUFT	1033	1.15	1187.95
059200-002	milegagon Pump	m.	10	265	2650
059697-000	PACR Recorder	Ea.	1	135.00	135.00
040015-000	D909 Class H Cement	CUFT	270	725	195750
040003-000	D903 class C Cement	CUFT	150	775	116250
045008-000	D35 Lite paz III	CUFT	350	383	134050
045014-050	D20 Bentonite Gel	LB	2109	.14	295.26
045004-050	D44 Granulated Salt	LB	2614	.11	287.54
047007-050	D65 Tic	LB	226	453	1028.30
047002-050	D46 Anti Foam Agent	LB	91	287	261.17
045019-050	D42 Kelite	LB	9050	.45	4072.50
067005-100	S1 Calcium chloride	LB	400	.34	136.00
100283-000	D827 Wash CW100	(BBI)	30	3325	997.50
102781-054	Float Shoe Sure Seal	Ea.	1	273.00	273.00
102789-054	Float Collar Sure Seal	Ea.	1	291.00	291.00
054001-054	2-Stage Cementing Collar	Ea.	1	3235.00	3235.00
054000-054	3-Stage Cementing Collar	Ea.	1	4235.00	4235.00
056011-054	Regular Centralizer	Ea.	20	57.00	1140.00
056008-054	Cementing Basket	Ea.	2	160.00	320.00
056019-054	Stop Ring	Ea.	2	15.00	30.00
057497-001	K232 Thredd Lock Kit	Ea.	1	2350	2350

Field Estimate 26,380.88 #/16000 SUB-TOTAL

LICENSE/REIMBURSEMENT FEE []

REMARKS: **From ALK AT D.S. / WANKS FOR USING D.S.**

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

SIGNATURE OF DSI REPRESENTATIVE: *[Signature]* TOTAL \$ []

WICHITA DIVISION
Kansas

CEMENTING SERVICE REPORT

ORIGINAL



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-13-4536	DATE 6/19/92
STAGE 1	DISTRICT WYSSCS, Kansas

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. Salley #2-19	LOCATION (LEGAL) Sec 19-335-33W.
FIELD-POOL	FORMATION
COUNTY/PARISH Seward	STATE Kansas
	API. NO.

RIG NAME: H-40 Rig #1	
WELL DATA:	BOTTOM TOP
BIT SIZE 7 7/8	CSG/Liner Size 5 1/2
TOTAL DEPTH 6500	WEIGHT 15.5
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 5897
MUD TYPE	GRADE 5-T
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 8 1/2
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 9027
MUD VISC.	Disp. Capacity 5806.7
	TOTAL 138

NAME Cabot Oil + Gas **RELEASED**

AND

ADDRESS

OCT 20 1993

SPECIAL INSTRUCTIONS 3-Stage 5 1/2 Long String

ZIP CODE

CONFIDENTIAL

Floor	TYPE	Sure Seal	Stage Tool	TYPE	Weatherford
	DEPTH	5806.7		DEPTH	4575.25
SHOE	TYPE	Sure Seal	Stage Tool	TYPE	Weatherford
	DEPTH	5896.97		DEPTH	3431.45

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IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 3850 PSI CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 4000 PSI BUMP PLUG TO 1310 PSI

ROTATE RPM RECIPROCATE 20 FT No. of Centralizers 20

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

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT TYPE

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME Bbls

Knockoff NEW USED CASING VOL. BELOW TOOL Bbls

TOP W DEPTH TOTAL Bbls

BOT W ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM.	TIME: 1000	DATE: 6/18	TIME: 1015	DATE: 6/18	TIME: 0530	DATE: 6/19	
0001 to 2400					INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
1430								PRE-JOB SAFETY MEETING PSI Test To 3610			
1508		50	10	10	7	H ₂ O	8.35	Start CW 100			
1510		430	10	10		Mud	9	Start Gel Spacer 1 st Stage			
1511		380	41	49		CMT	14.0	Start Cement			
1519		260						Shut Down			
1521								Drop Plug			
1522		0	20	20	7.5	H ₂ O	8.35	Start H ₂ O Displacement			
1526		90	118			Mud	?	Start Mud			
1534		220		75	2.5			Lower Rate 1 st Tool			
1539		40		85	7.5			Increase Rate			
1542		230		105	2.5			Lower Rate 2 nd Tool			
1546		90		115	7.8			Increase Rate			
1548		720		130	3			Lower Rate			
1549		460		136				Bump Plug To 1310 Release PSI-Held 1551			
1553		0						Drop Opening Bomb			
1631		890						Open Stage Tool			
1635								Shut Down Rig To mud Pump			

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1 st Stage	160	1.45	50/50 (P ₀₂ /H) + 27% D20 + 10% D44 + 0.5% D65 + 0.22% D46 + 12.5% D42				41.3	14.0
2 nd Stage	120	1.45	Same as Above				31	14.0
3 rd Stage	230	2.15	35/5 (P ₀₂ /C) + 67% D20 + 27% S1 + 10% SK D42				88	12.0
	260	1.45	50/50 (P ₀₂ /H) + 27% D20 + 10% D44 + 0.5% D65 + 0.22% D46 + 12.5% D42				6.7	14.0

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 2830 MIN. 5

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 136 Bbls TYPE OF WELL OIL STORAGE SET BRINE WATER WILDCAT

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR

Carl Cowan Ronny Gindl

**CEMENTING-SERVICE REPORT
SUPPLEMENT LOG**

ORIGINAL

DWL-496-1 PRINTED IN U.S.A.

SEP 29

DATE	6/19/92
TREATMENT NUMBER	03-12-4536
PAGE	2 OF 2 PAGES

CUSTOMER WELL NAME AND NUMBER
Salley #2-19

LOCATION (LEGAL)

Sec. 19-335-3 ~~CONFIDENTIAL~~ Salas, Kansas

DOWELL LOCATION

TIME 0001 to 2400	PRESSURE		VOLUME PUMPED (bbl)		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	IBOP OR D.P.	CASING	INCREMENT	CUM.				
2057	/	0	10	10	7	cmw	8.35	Start + cmw 100
2059	/	400	10	10	↓	Gel	9.0	Start + Gel spacer
2100	/	310	31	36	↓	CMT	14.0	Start + Cement slurry 2 nd stage
2106	/	200						Shut Down
2107	/							Drop 2 nd stage Plug
2109	/	0	20	20	7.5	H ₂ O	8.35	Start + H ₂ O Displacement
2113	/	160	89		7.5	mud	?	Start + Mud Displacement
2121	/	180		75	2.5			Lower Rate 1 st Tool
2125	/	40		85	7.4			Increase Rate
2128	/	430		100				Lower Rate
2131	/	460		108				Bump Plug To 2300 PSI
2136	/							Release PSI - Held
2137	/							Drop Bump To Oper 3 rd stage Tool
2202	/	840						Open 3 rd stage Tool
2207	/	230						Shut Down Rig To mud Pump
0314	/	0	10	10	7	cmw	8.35	Start + cmw 100
0316	/	280	10	10	↓	Gel	9.0	Start + Gel spacer
0318	/	240	88	93	5	CMT	12.0	Start + Lead Cement 3 rd stage
0340	/	60	67	70	4	CMT	14.0	Start + Tail Cement
0359	/							Shut Down
0400	/							Drop 3 rd stage Plug RELEASED
0402	/	0	82		7	H ₂ O	8.35	Start + Displacement
0413	/	760		75	2.5			Lower Rate
0417	/	890		81	↓			Bump Plug To 2830 FROM CONFIDENTIAL
0424	/							Release PSI - Held
								Had To Shut Down on Lead Cement (Air Problems) + Dec & Lost Prime

RELEASED
OCT 20 1993

SEP 28 1992

RECEIVED
STATE OF KANSAS
CONSERVATION DIVISION
Wichita, Kansas

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

OILFIELD SERVICES
INDUSTRIAL SERVICES

ORIGINAL

DSI SERVICE LOCATION NAME AND NUMBER
Ulysses, Kansas 03-12

DSI SERVICE ORDER RECEIPT AND INVOICE NO.
03-12-4536

CUSTOMER NUMBER
CUSTOMER P.O. NUMBER

TYPE SERVICE CODE
285
BUSINESS CODES

CUSTOMER'S NAME
Cabot Oil & Gas
ADDRESS
CITY, STATE AND ZIP CODE

WORKOVER W
NEW WELL N
OTHER O
API OR IC NUMBER

RELEASED

ARRIVE LOCATION
MO. DAY YR. TIME
6 19 92 1100

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.

JOB COMPLETION
MO. DAY YR. TIME
6 20 92 0430

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.

SEP 29

CONFIDENTIAL

STATE CODE COUNTY/PARISH CODE CITY
Kansas Seward

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA
Sally #2-19 Sec. 19-335-33W DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-060	Pump Truck Chg	Eg	1	1560.00	1560.00
048016-000	Multiple Stage cementing pump	Eg	2	1025.00	2050.00
049102-000	Delivery Chg	Tln	399	84	33516
049100-000	Service Chg	CUFF	1033	15	11875
059200-002	Mileage on Pump	m.	10	205	2050
059697-000	PACR Recorder	Eg	1	135.00	135.00
040015-000	D909 Class H Cement	CUFF	270	725	195750
040003-000	D903 Class C Cement	CUFF	150	775	116250
045004-000	D35 Lite par III	CUFF	350	383	134050
045014-050	D20 Bentonite Gel	LB	2200	14.6	32720
045004-050	D44 Granulated Salt	LB	2616	11	28776
047007-050	D65 Tic	LB	2262	10.52	23782
047002-050	D46 Anti Foam Agent	LB	91	287	26117
045019-050	D42 Kalite	LB	9050	45	407250
067005-100	S1 Calcium chloride	LB	400	34	13600
106283-000	D827 Wash cement	BBW	30	3325	99750
102781-054	Float shoe Sore Seal	Eg	1	273.00	273.00
102787-054	Float collar Sore Seal	Eg	1	291.00	291.00
054001-054	2-Stage Cementing Collar	Eg	1	3235.00	3235.00
054000-054	3-Stage Cementing Collar	Eg	1	4235.00	4235.00
056011-054	Regular Centralizer	Eg	20	57.00	1140.00
056008-054	Cementing Basket	Eg	2	160.00	320.00
056019-054	Stop Ring	Eg	2	15.00	30.00
057499-001	K232 Thread Lock Kit	Eg	1	23.50	23.50

Field Estimate ~~26,700.85~~ **26,420.10** X 4320 SUB TOTAL **15,066.32**

REMARKS: *From Alk AT D.S. Wank's using Cur D.S.*

STATE **49** % TAX ON \$ **12,239.43**
 COUNTY **1** % TAX ON \$ **599.29**
 CITY % TAX ON \$ **910022.40**

SIGNATURE OF DSI REPRESENTATIVE: *Randy Dill* TOTAL AMOUNT: **15,788.46**

CEMENTING SERVICE REPORT

ORIGINAL



DOWELL SCHLUMBERGER INCORPORATED

D6-498 PRINTED IN U.S.A.

TREATMENT NUMBER	03-12-4536	DATE	6/19/92
STAGE	DS	DISTRICT	Ulysses, Kansas

WELL NAME AND NO. **Sully #2-19**

LOCATION (LEGAL) **Sec 19-335-33W**

FIELD NO. **1**

FORMATION **Shinarump**

COUNTY/PARISH **Seward**

STATE **Kansas**

API NO.

NAME **Cabot Oil + Gas**

AND **RELEASED**

ADDRESS **001 2 0 1993**

RIG NAME: **H-40 Rig #1**

WELL DATA:		BOTTOM		TOP	
BIT SIZE	7 7/8	CBG/Liner Size	5 7/8		
TOTAL DEPTH	6500	WEIGHT	15.5		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE		FOOTAGE	5877		
MUD TYPE		GRADE	S-T		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT		THREAD	8 1/2		
MUD DENSITY		LESS FOOTAGE SHOE JOINTS	9.27		TOTAL
MUD VISC.		Disp Capacity	5806.7		138

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

SPECIAL INSTRUCTIONS **3 stage 5 7/8 Long String**

FROM ZIP CODE **CONFIDENTIAL**

STAGE	TYPE	DEPTH	STAGE	TYPE	DEPTH
1	Sure Seal	5806.7	2	Weatherford	4575.25
2	Sure Seal	5876.77	3	Weatherford	3431.45

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **3850** PSI

PRESSURE LIMIT **4000** PSI

BUMP PLUG TO **1310** PSI

RECIPROCATATE **20** FT

No. of Centralizers **20**

Head & Plugs TBG D.P.

Double Single Swage Knockoff

SIZE WEIGHT GRADE THREAD

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: **1000** DATE: **6/18**

ARRIVE ON LOCATION TIME: **1015** DATE: **6/18**

LEFT LOCATION TIME: **0530** DATE: **6/19**

TIME	PRESSURE		VOLUME PUMPED gal		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
1430								PREJOB SAFETY MEETING PSI Test To 3610
1508		50	10	10	7	H ₂ O 8.35		Start CW 100
1510		430	10	10		Mud 9		start cool spacer 1st stage
1511		380	41	49		CBT 14.4		Start Cement
1519		260						Shut Down
1521								Drop Plug
1522		0	20	20	7.5	H ₂ O 8.35		Start H ₂ O Displacement
1526		90	118			Mud ?		Start Mud
1534		220	75	2.5				Lower Rate 1st Tool
1537		40	85	7.5				Increase Rate
1542		230	105	2.5				Lower Rate 2nd Tool
1546		90	115	7.8				Increase Rate
1548		720	130	3				Lower Rate
1549		460	136					Bump Plug To 1310 Release PSI - Hold
1553		0						Drop Opening Bit
1631		890						Open Stage Tool
1635								Shut Down Rig To Mud Pump

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED BBLs	DENSITY
1st Stage	160	1.45	50/50 (P ₁₀₂ /H) + 2% D20 + 10% D44 + 0.5% D65 + 0.22% D42				41.3	14.0
2nd Stage	120	1.45	Same as Above				31	14.0
3rd Stage	230	2.15	95/5 (P ₁₀₂ /H) + 6% D20 + 22% D51 + 10% D42				88	12.0
6	260	1.45	50/50 (P ₁₀₂ /H) + 2% D20 + 10% D44 + 0.5% D65 + 0.22% D42 + 12.5% D42				67	14.0

BREAKDOWN FLUID TYPE

HESITATION SQ. RUNNING SQ. CIRCULATION LOST

DENSITY PRESSURE MAX. **2830** MIN. **5**

YES NO Cement Circulated To Surf. YES NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **136** Bbls

Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT **X** WIRELINE

PERFORATIONS TO TO

CUSTOMER REPRESENTATIVE **Carl Cowan**

DS SUPERVISOR **Ronny Gindlesberger**

ORIGINAL

EMMENTING SERVICE REPORT
SUPPLEMENT LOG

NL-488-1 PRINTED IN U.S.A.

DATE	6/19/92
TREATMENT NUMBER	03-12-11536
PAGE	2 OF 2 PAGES

CUSTOMER WELL NAME AND NUMBER	LOCATION (LEGAL)	DOWELL LOCATION
Sullivan #2-17	Sec 19-33-33W	Ulysses, Kansas



2057	/	0	10	10	7	cur	835	Start + Cur 100	
2059	/	400	10	10		Gel	90	Start + Gel spacer	
2100	/	310	31	36		Cur	140	Start + Cement slurry	
2106	/	200						Shut Down	
2107	/							Drop 2 nd stage Plug	
2109	/	0	20	20	7.5	H ₂ O	9.35	Start + H ₂ O Displacement	
2113	/	160	89		7.5	ml	?	Start + ml Displacement	
2121	/	180		75	2.5			Lower Rate 1 st Tool	
2125	/	40		85	7.4			Increase Rate	
2128	/	430		100				Lower Rate	
2131	/	460		108				Bump Plug To 2300 PSI	
2136	/							Release PSI - Held	
2137	/							Drop Bump To Oper 3 rd stage Tool	
2202	/	840						Oper 3 rd stage Tool	
2207	/	280						Shut Down Ring To Mud Pump	
FROM CONFIDENTIAL									
0311	/	0	10	10	7	cur	835	Start + Cur 100	
0316	/	280	10	10		Gel	90	Start + Gel spacer	
0318	/	290	88	93	5	Cur	120	Start + Lead Cement	
0319	/	60	67	70	4	Cur	110	Start Tool Cement	
0321	/							Shut Down	
0400	/							Drop 3 rd stage Plug	
0402	/	0	87		7	H ₂ O	3.30	Start + Displacement	
0413	/	260		75	2.5			Lower Rate	
0417	/	570		81				Bump Plug To 2300 PSI	
0421	/							Release PSI - Held	
<p>SEP 29</p> <p>CONFIDENTIAL</p>									
<p>plug To shut Down on Lead Cement (Air problems) + 1- Pump Down Mud Pump</p>									

RECEIVED
STATE CORPORATION COMMISSION

OCT 29 1992

MISSION
Wichita, Kansas

CEMENTING SERVICE REPORT

ORIGINAL DS

TREATMENT NUMBER	DATE
03-12-4509	6-6-92
STAGE	DISTRICT
DS	643323 KS

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Sulley # 2-19	LOCATION (LEGAL) Sec 19-33S-33W	RIG NAME: H-40
FIELD-POOL	FORMATION	WELL DATA
COUNTY/PARISH Seward	STATE Kansas	API NO.
NAME Carot Out Gas	ADDRESS	WELL DATA
AND	ZIP CODE 67003	BIT SIZE 12 1/4
SPECIAL INSTRUCTIONS	RELEASED	CSG/Liner Size 8 5/8
		TOTAL DEPTH 1530
		WEIGHT
		FOOTAGE 1530
		MUD TYPE
		GRADE
		THREAD
		MUD DENSITY
		LESS FOOTAGE SHOE JOINTS
		MUD VISC.
		Disp Capacity
		TOTAL
		94.6

NOTE: Indicate Footage From Ground Level To Head in Disp. Capacity	
TYPE O.P. INSERT	DEPTH 1530.03
TYPE TK. ROTARY	DEPTH 1530

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 629 PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT 629 PSI	BUMP PLUG TO 1170 PSI	ROTATE RPM 5 RECIPROGATE FT No. of Centralizers 5
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO

TIME	TRG OR D.P.	CASING	VOLUME PUMPED bbl	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0957	2500						PRE-JOB SAFETY MEETING + P.T. LUGGS
0958		190	10	5	Fluo	832	START WATER ALREADY
1000		190	214	7	CMT	12.4	START LEAD CEMENT
1031		220	35	6	Fluo	14.8	START TAIL CEMENT
1037		-	259	-			CEMENT MIXED - SHUT-DOWN
1038		-	259	-			DROP TOP PLUG
1039		100	94.6	7	Fluo	832	START DISPLACEMENT
1048		400	68	7			CEMENT SURFACE
1051		520	74	2			SLOW RATE
1055		520	84	-			SHUT-DOWN - SEE CUT FALLS
1057		480	84	2			RESUME PUMP
1100		540	89	-			SHUT-DOWN - SEE CUT FALLS
1102		540	89	2			RESUME PUMP
1104		600	94	2			BUMP TOP PLUG
1104		1170		-			CHECK PLUG - FIRST HOLDING

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OPERATION COMMISSION
OCT 29 1992

REMARKS

SYSTEM CODE	NO. OF BAGS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1	600	1.98	65/35 (C/P2) + 6% D20 + 2% O3 + 1/4" / 3C D29	214	12.4
2	150	1.32	C + 2% O3	35	14.8
3					
4					
5					
6					

SEP 29
CONFIDENTIAL

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE
<input type="checkbox"/> HESITATION SQ	<input type="checkbox"/> RUNNING SQ	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	MAX 1170 MIN: 655
BREAKDOWN PSI FINAL	DISPLACEMENT VOL.	TYPE OF WELL	Cement Circulated To Surf. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 27 bbls
Washed Thru Peris <input type="checkbox"/> YES <input type="checkbox"/> NO 10	MEASURED DISPLACEMENT 94	<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER	<input type="checkbox"/> GAS <input type="checkbox"/> INJECTION <input type="checkbox"/> WILDCAT
PERFORATIONS	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	
TO TO	Case	Greg Greenick	

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

DISTRICT COPY

ORIGINAL

OILFIELD SERVICES
INDUSTRIAL SERVICES

6-8
X
□

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

DSI SERVICE LOCATION NAME AND NUMBER

Ulysses KS 03-12

03-12-4509

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

271

RELEASED

WORKOVER
NEW WELL
OTHER

W
N
□

API OR IC NUMBER

CUSTOMER'S
NAME

Cubit. Oil Gas

ADDRESS

OCT 20 1993

CITY, STATE AND
ZIP CODE

FROM CONFIDENTIAL

SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE
LOCATION

MO. DAY YR. TIME
6 6 92 0740

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.

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.

Qty 1600' 8" SB SUEE WITH 600 SLS 65/35 (K/A2)
+6% D20 + 2% CALZ + 14#/3K D29
150 SLS C + 2% CALZ

JOB
COMPLETION

MO. DAY YR. TIME
6 6 92 1100

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

X [Signature]

STATE CODE COUNTY / PARISH CODE CITY

Kansas

Sevier

WELL NAME AND NUMBER / JOB SITE

Sallee # 2-19

LOCATION AND POOL / PLANT ADDRESS

Sec 19-335-33W

SHIPPED VIA

DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059200-002	M. Leuge Chg	M.	10	2.65	26.50
102871-020	Pump Chg	EA	1	1050.00	1050.00
049102-000	DELIVERY CHG 70,908 th 1000	TOTAL	355	.84	298.20
049100-000	SERVICE CHG	EA	829	1.15	953.35
059697-000	FACE	EA	1	135.00	135.00
049208-000	Class S	EA	1540	3.23	4985.20
045008-000	LITE POL	EA	210	3.83	804.30
045014-050	D20 BENTONITE	LB	2132	1.16	2473.12
067005-100	CALZ	LB	1320	1.34	1768.80
044003-025	D29 CELLOPHANE FLAKE	LB	150	1.53	229.50
053003-085	OFFICE FILL INSERT	EA	1	320.00	320.00
056011-085	CENTRALIZERS	EA	6	72.00	432.00
056702-085	TOP PUP	EA	1	95.00	95.00
057499-001	THREAD LOCK	EA	1	2350.00	2350.00 N/C
050001-085	GRUISE SHOE T. PATENT	EA	1	215.00	215.00

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DIVISION COMMISSION

OCT 29 1992

SUB TOTAL

FIELD ESTIMATE \$ 9695.81

5714.44

LICENSE/REIMBURSEMENT FEE

LICFNSL/REIMBURSEMENT FEE

REMARKS:	STATE	TAX ON \$	TOTAL \$
Thanks for using D.S.	KS	4.9 % TAX ON \$ 4494.33	220.23
	COUNTY	1 % TAX ON \$	44.94
	CITY	% TAX ON \$	
39 per day	SIGNATURE OF DSI REPRESENTATIVE		6179.61