FORM MUST BE TYPED **ORIGINAL**

CONFIDENTIAL

SIDE ONE

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

Operator: License # 6593

Name: Coastal Oil & Gas Corp

Address 9 Greenway Plaza Suite 2751

City/State/Zip Houston TX 77046

Purchaser: Coastal

Operator Contact Person: Deborah Moore

Phone (713) 877-7590

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Wendell Bond

Designate Type of Completion
XX New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
XX Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: N/A

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. ____

9/11/95 Spud Date | 9/18/95 Date Reached TD | In Progress Completion Date

API NO. 15- 129-21400 0000

County Morton

__ - __ - C - SW Sec. 2 Twp. 32S Rge. 43 E/W

1320 Feet from S/N (circle one) Line of Section

1320 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 K.U. Well # 2-2

Field Name Greenwood

Producing Formation Greenwood Pay

Elevation: Ground 3577' KB 3601'

Total Depth 3500' PBTD 3270'CIBP

Amount of Surface Pipe Set and Cemented at 1502.68' Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan ALT I 4-22-96 Lw
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume 280 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name KCC

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ Rng. ____ E/W

County ____ Docket No. ____

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WICHITA, KS

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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-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 Deborah Moore

Title Environmental & Safety Analyst Date 1/25/96

Subscribed and sworn to before me this 25 day of January, 19 96.

Notary Public

Date Commission Expires July 5, 1997

JINA JORDAN
Notary Public, State of Texas
My Commission Exp. July 5, 1997

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)

Form ACO-1 (7-91)

SIDE TWO

Operator Name Coastal Oil & Gas Corp. Lease Name K.U. Well # 2-2

Sec. 2 Twp. 32S Rge. 43 ☐ East ☒ West County Morton

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.)	☐ Yes	☒ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☒ Yes	☐ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run:
Microlog - Gamma Ray
Array Induction - Gamma Ray
Integrated Porosity - Lithology
Natural Spectrometry - Gamma Ray
Digital Sonic - Gamma Ray

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Wabaunsee	2658'	
Shawnee	2864'	
Deer Creek	2970'	
LeCompton	3180'	

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#	1502.68'	See attached cement tickets		
Production	7 7/8"	5 1/2"	15.5#	3500'	See attached cement tickets		

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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
4 SPF	3313'-3318', 3303'-3314', 3373'-3377'	1300 gals 15% FE acid w/add	
CIBP	CIBP @3270' cmt 3260' - 3270'	75 sks CL"H" cmt	2626' - 3315
2 SPF	3090'-3097', 3074'-3080', 3053'-3058', 2985'-2991', 2956'-2966'	2400 gals 15% HCL /600 w/add	
2 SPF	2955'-2965, 2956-2966	1000 gals 15% HCL w/add	

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☒ 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

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

CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

DS-496-A PRINTED IN U.S.A.

TREATMENT NUMBER 03-12-7516 DATE 9-13-95
STAGE DS DISTRICT Ulysses, Ks.

WELL NAME AND NO. K.U. #2-2 LOCATION (LEGAL) Sec. 2-32s-43w
FIELD-POOL FORMATION

COUNTY/PARISH Morton STATE Ks. API. NO.

NAME Coastal Oil & Gas
AND
ADDRESS
ZIP CODE

ORIGINAL

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SPECIAL INSTRUCTIONS

RIG NAME Cheyenne #7

WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size 8 5/8		
TOTAL DEPTH	WEIGHT 24		
☒ ROT ☐ CABLE	FOOTAGE 1507		
MUD TYPE	GRADE		
☐ BHST ☐ BHCT	THREAD 8rd		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 43		TOTAL
MUD VISC.	Disp. Capacity 93.2		

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

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Float: TYPE	Baker + Float valve	Stage Tool: TYPE	
Float: DEPTH	1464	Stage Tool: DEPTH	
SHOE: TYPE	cmt nose	Stage Tool: TYPE	
SHOE: DEPTH	1507	Stage Tool: DEPTH	

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

IS CASING/TUBING SECURED? ☒ YES ☐ NO
LIFT PRESSURE 619 PSI CASING WEIGHT x SURFACE AREA (3.14 x R²)
PRESSURE LIMIT PSI BUMP PLUG TO 720 PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers

JOB SCHEDULED FOR TIME 1500 DATE 9-13-95
ARRIVE ON LOCATION TIME 1500 DATE 9-13-95
LEFT LOCATION TIME 0700 DATE 9-14-95

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED bbl. INCREMENT	VOLUME PUMPED bbl. CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1752	2000							PRE-JOB SAFETY MEETING PSI Test
1754		50	40		6	H2O		start H2O ahead
1802		150	242		6	cmt	14.2	start cmt slurry
1822		110		126	6	cmt	14.2	PSI check
1840		270		225	6	cmt	14.2	" "
1844		0						shut down drop top plug
1845		0	93		5.8	H2O		start displacement
1853		0		40	5.6			PSI check
1900		40		80				" "
1901		40		84	2.6			lower rate
1903		70		90	2.6			PSI check
1905		720		93	2.4			bump top plug
		RUG						
1906								bleed psi of
		JAN 25						check float holding
		CONFIDENTIAL						

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	220	1.51	class C + 2% gel + 3% cacl2 + 1/4#/sk D29 + 5#/sk D42	220.5	14.2
2.	200	1.18	class H + 3% cacl2 + 3#/sk D42 + 1/4#/sk D29	45	15.6
3.	200	1.18	class H + 3% cacl2 + 1/4#/sk D29	45	15.6
4.	62	1.18	class H + 3% cacl2 + 1/4#/sk D29	13	15.6
5.	120				
6.					

BREAKDOWN FLUID TYPE		VOLUME	DENSITY	PRESSURE MAX.	MIN:
☐ HESITATION SQ.	☐ RUNNING SQ.	CIRCULATION LOST	☐ YES ☐ NO	Cement Circulated To Sur. ☐ YES ☐ NO	Bbls.
BREAKDOWN PSI	FINAL PSI	DISPLACEMENT VOL.	93 Bbls	TYPE OF WELL ☐ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT	
Washed Thru Perfs ☐ YES ☐ NO	TO FT.	MEASURED DISPLACEMENT	☐ WIRELINE		

PERFORATIONS
TO TO
TO TO

CUSTOMER REPRESENTATIVE Charles Powell

DS SUPERVISOR James Esquivel

CEMENTING SERVICE REPORT SUPPLEMENT LOG CONFIDENTIAL #2 ORIGINAL

DS-405-1 PRINTED IN U.S.A.

DATE 9-14-95

CUSTOMER WELL NAME AND NUMBER	LOCATION (LEGAL)	DS LOCATION	TREATMENT NUMBER
K.U. #2-2	Sec. 2-32s-43w	Ulysses, Ks	03742-7516

PAGE OF PAGES

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
2349		0	45		3	cmt	15.6	start cmt slurry 200sk H + 3% calc
~~0052~~					0	cmt	15.6	+ 3# D42 + ½# D29
0011		40	45		3	cmt	15.6	start cmt slurry 200sk + 3% calc,
					0	cmt	15.6	½# D29
0032		40						shut down
0459		0	13		3	cmt	15.6	start cmt slurry
0505		40						shut down [redacted]
								625sk class H + 3% calc + ½# D29
				RELEASED				
0600				APR 6 1998				end job
			FROM CONFIDENTIAL					

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WICHITA, KS

Cementing Job Report

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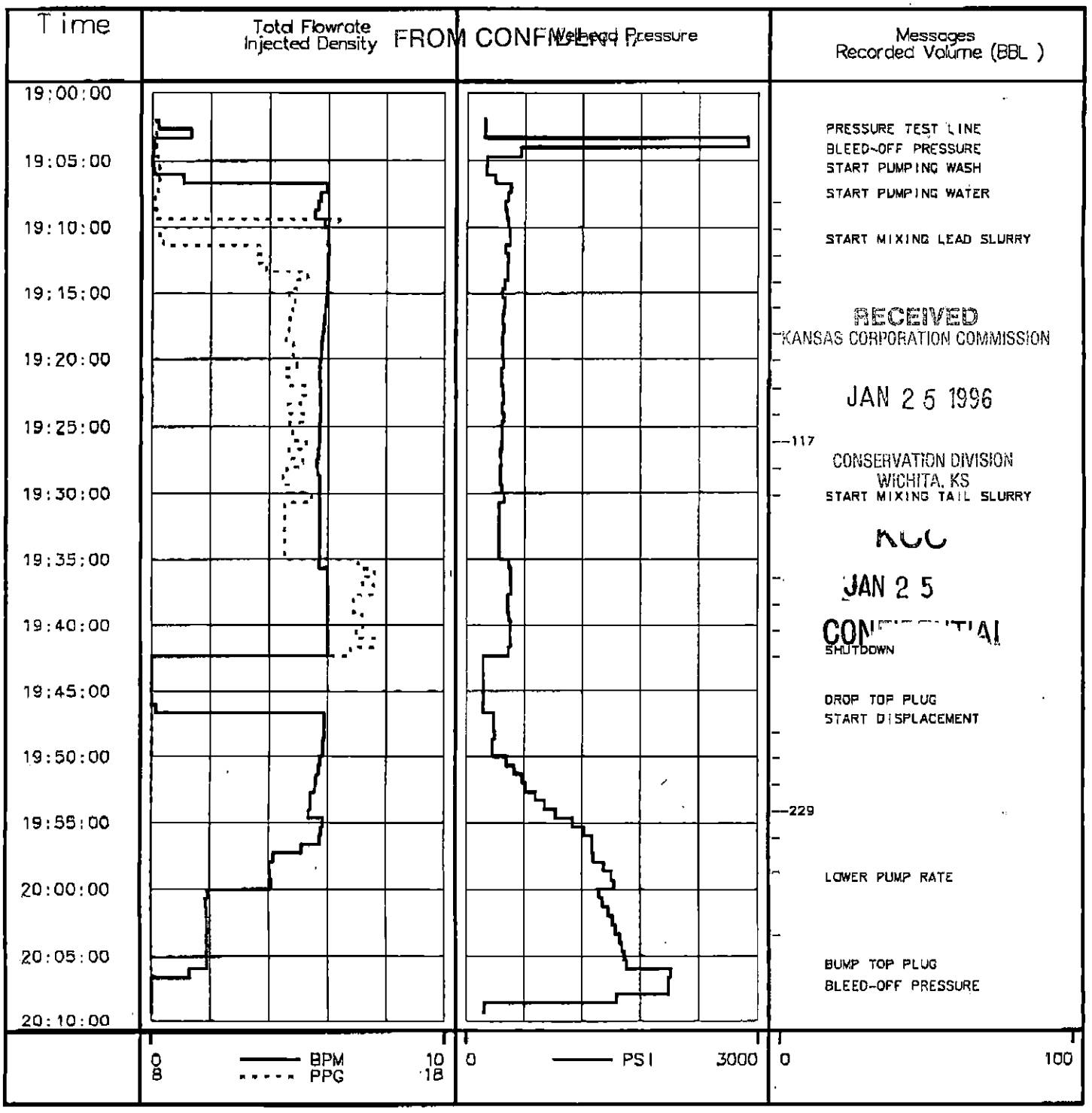
EXECUTION SUMMARY

WELL : K.U. #2-2
FIELD : GREENWOOD
CLIENT : COASTAL OIL & GAS
COUNTRY : USA
JOB DATE : 09-20-95



Schlumberger Dowell

CEMENTING SERVICE REPORT

Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-7565 9-20-95
STAGE DS DISTRICT Ulysses, KS

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

WELL NAME AND NO.	LOCATION (LEGAL)
K.U. #2-2	SEC 2 - 32S - 43W
FIELD/POOL: Greenwood	FORMATION: Topeka
COUNTY/PARISH: Morton	STATE: KS API. NO.

NAME Coastal Oil & Gas
AND
ADDRESS
ZIP CODE

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SPECIAL INSTRUCTIONS Safely cement 5 1/2" production casing with 300 sks of lead and 170 sks of tail cement ~~with~~ as directed by the customer

IS CASING/TUBING SECURED? ☑ YES ☐ NO
LIFT PRESSURE 1975 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
PRESSURE LIMIT 500 OVER PSI BUMP PLUG TO 2000 PSI
ROTATE RPM RECIPROCATE FT No. of Centralizers

RIG NAME: Cheyenne #7

WELL DATA:		BOTTOM	TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2	
TOTAL DEPTH 3505	WEIGHT	15.50	
☐ ROT ☐ CABLE	FOOTAGE	3500	TOTAL
MUD TYPE	GRADE	J55	
☑ BHST 110 ☐ BHCT	THREAD	8RD	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	40	
MUD VISC.	Disp. Capacity	82.5	

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

ORIGINAL

Float	TYPE	Float Collar	Stage Tool	TYPE	
	DEPTH	3468		DEPTH	
SHOE	TYPE	Float Shoe		TYPE	
	DEPTH	3508		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 ☐R ☐W	LI NEW ☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐R ☐W	DEPTH	TOTAL	Bbls
		ANNUAL VOLUME	Bbls

JOB SCHEDULED FOR TIME: 1600 DATE: 9-20-95
ARRIVE ON LOCATION TIME: 1545 DATE: 9-20-95
LEFT LOCATION TIME: 2100 DATE: 9-20-95

TIME (0001 to 2400)	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED Bbl INCREMENT	VOLUME PUMPED Bbl CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1830								PRE-JOB SAFETY MEETING
1903	2900		—	—	—	—	—	PRESSURE TEST LINES
1905	—	290	10	—	5.8	CW	8.34	START CW 7 WASH
1907	—	240	20	10	5.9	H_2O	8.33	START H_2O SPACER
1911	—	230	118	30	5.9	CMT	12.6	START LEAD SLURRY
1931	—	300	58	148	5.6	CMT	14.8	START TAIL SLURRY
1942	—	—	—	206	~~5.6~~	~~H_2O~~	~~8.33~~	SHUTDOWN / WASH LINES / DROP TOP PLUG
1946	—	0	82.5	—	5.6	H_2O	8.33	START DISPLACEMENT
1959	—	810	—	70	4.0	H_2O	8.33	PSI Check
2005	—	1600	—	82	1.8	H_2O	8.33	PSI Check
2006	—	2000	—	825	—	—	—	STOP PUMP / PLUG DOWN /
				—	—	—	—	Bleed Lines / Check FLOAT

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	300	2.28	35:65 (Poz:C) + 6% D20 + 15% D44 (Bwow) + 0.6% D60 + 1/4 PPS D29 + 5 PPS D42	121.8	12.6
2	170	1.59	10:15 Salt Press + 1% S1 + 0.3% D60 + 1/4 PPS D29 + 5 PPS D42	48.0	14.8
3.					
4	(470)				
5.					
6.					

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE MAX MIN: 95k
☐ HESITATION SQ ☐ RUNNING SQ.	CIRCULATION LOST	☐ YES ☑ NO	Cement Circulated to Surface ☐ YES ☐ NO Bbls
BREAKDOWN PSI FINAL PSI	DISPLACEMENT VOL.	82.5 Bbls	TYPE OF WELL ☐ OIL ☑ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT
Washed Thru Perfs ☐ YES ☐ NO TO FT.	MEASURED DISPLACEMENT ☐	☐ WIRELINE	
PERFORATIONS TO TO TO TO	CUSTOMER REPRESENTATIVE Scott Sealy		DS SUPERVISOR Russ Wagstaff

JOHN C. LAMB & COMPANY, INC.
PETROLEUM CONSULTANTS

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COASTAL OIL AND GAS CORPORATION
GREENWOOD FIELD
K.U. 2-2
Section 2, T-32S, R-43W
1320' FSL, 1320' FWL
Morton County, Kansas
KB 3601'

15-129-21400

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WICHITA, KS

11736 East Bear Creek Drive, Franktown, CO 80116 (303) 840-9156

ORIGINAL

RESUME

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Operator: Coastal Oil and Gas Corporation

Well Name and Number: K.U. 2-2

Field: Greenwood

15-129-21400

Location: 1320' FSL, 1320' FWL; Section 2, T-32S, R-43W

County and State: Morton County, Kansas

Elevation: GL: 3588', KB: 3601'

Spud Date: September 12, 1995

Completion Date: September 18, 1995

Hole Sizes: 12 1/4": 0-1510'; 7 7/8": 1510-3500'

Casing Data: 8 5/8" set at 1519'; 5 1/2" set at near TD

Logging Data: SWS, AIT/GR/SP/CAL, IPL/HNGS/GR/CAL, DSI/GR, ML/GR; Numar: MRIL

Development Geologist: Wendell A. Bond

Drilling Foreman: Cherles Pannell

Wellsite Geologist: Jim VanMeter

Mudlogging: Petroleum Mudlogging

Contractor: Cheyenne Drilling, Rig 7

Tool Pusher: Dennis Wilson

Mud Type: Chemical

Mud Company: Baroid Drilling Fluids

Drilling Days: 6

Rotating Hours: 70 1/2

Bottom Formation: Lecompton

Status: To be completed as a gas well

FORMATION TOPS AND CORRELATION

	Coastal Oil & Gas K.U. 2-2 2-32S-43W Morton County, Ks. KB 3601	Colorado Oil & Gas Link 1-2 2-32S-43W Morton Co., Ks KB 3579
WABAUNSEE	2746(+855)	2732(+847)
SHAWNEE	2984(+617)	2970(+609)
DEER CREEK	3130(+471)	3125(+454)
LECOMPTON	3269(+332)	3258(+321)
TOTAL DEPTH	3504	3348

BIT RECORD

BIT #	SIZE	MAKER	TYPE	IN	OUT	FOOTAGE	HOURS	JETS
1	12 1/4"	Security	S33S	0'	107'	107'	3	14-14-8
2	12 1/4"	Hughes	ATJ-11H	107'	1172'	1065'	15	16-16-16
3	12 1/4"	Security	S33S	1172'	1510'	338'	4 1/2	14-0-14
4	7 7/8"	Walker-Mac	43F	1510'	2732'	1222'	21 3/4	14-0-14
5	7 7/8"	Corebit	R476	2732'	3024'	292'	12 1/4	14-0-14
6	7 7/8"	Walker-Mac	43F	3024'	3500'	476'	14	14-0-14

SURVEYS

579 1/2 1510 1 1/4 2732 1 3504 1 3/4

DAILY CHRONOLOGY

DAYS OVER HOLE	DATE	8AM CDT DEPTH	24 HOUR FOOTAGE	DAILY ACTIVITY
1	September 12	0'	0'	MIRU, spud at 20.00, drlg, work on swivel, drlg, LC, TOH & build vol, attempt to fill hole, build vol
2	September 13	1172'	1172'	Fill hole, build vol, TIH, wash 10' to btm & LC, TOH & build vol, drlg, run & cem csg, WOC
3	September 14	1519'	347'	WOC, cem /2" into csg OD, WOC, NU, pressure test stack, drlg

DAYS OVER HOLE	DATE	8AM CDT DEPTH	24 HOUR FOOTAGE	DAILY ACTIVITY
4	September 15	2451'	932'	Drlg, TOH, PU core bbl, coring, TF bbl
5	September 16	2827'	376'	Coring, TF bbl, coring, TF bbl
6	September 17	3024'	197'	Coring, TF bbl, coring, TF bbl, LD core bbl, PU bit
7	September 18	3500'	476'	Drlg, prep for for logs, stuck pipe, spotted oil & fell free, TOH
8	September 19	3500'	0'	Wait on loggers, logging, MDT tool problems, circ & cond hole while waiting on tool
9	September 20	3500'	0'	Circ & cond hole while waiting on tool, LD DP & DC, run & cem casing

LOST CIRCULATION INTERVALS

Depth Of Occurrence	Barrels Lost	Prior LCM lb/gal	After LCM lb/gal
1172	3000	0	28

MUD REPORTS

Date	9-12	9-13	9-14	9-15	9-16	9-16
Depth	950	1250	1506	2660	2832	3024
Weight	8.9	8.6	8.6	9.2	9.2	8.8
Funnel Viscosity	28	36	36	37	38	38
Plastic Viscosity	1	3	4	7	7	8
Yield Point	2	7	8	8	8	6
Gel Strengths	0/1	3/6	3/6	4/12	4/10	3/10
Water Loss	NC	NC	NC	15.2	18.4	13.6
Filter Cake	NC	NC	3/32	2/32	2/32	1/32
Solids	3.8	2.8	2.8	5.8	5.8	3.2
Sand	tr	tr	tr	tr	tr	tr
pH	7.0	8.0	7.5	8.0	9.0	9.5
Alkalinity Pf/Mf	0/.1	0/.6	0/.3	0/.3	.1/.3	.3/.6
Calcium	200	60	80	120	60	40
Chlorides	900	1000	700	1800	1400	1100
LCM	-	24	26	-	-	tr

MODULAR DYNAMICS TESTING

Due to tool problems, no testing was accomplished.

CORE DESCRIPTIONS

The cores were not available for description at location.

SUMMARY

The Coastal Oil & Gas K.U. 2-2 was drilled as a replacement well in Greenwood Field. The primary objectives were the gas productive Wabaunsee, Shawnee, Deer Creek and Lecompton Formations. The location was selected upon the basis of geological interpretation of sub-surface well control.

The location was situated to encounter the aforementioned formations at favorable structural elevations, exploit the potential of bypassed reserves in the upper Greenwood Pay and to discover additional reserves within the Lecompton Formation while maintaining maximum distance from existing wellbores. To best evaluate the reservoirs within the Wabaunsee and Deer Creek Formations, conventional rotary coring was utilized along with electric logs by Schlumberger and Numar. Modular Dynamics Testing was planned for gathering reservoir pressure data, but tool problems forced cancellation of the testing. Following logging operations, production casing was run to near total depth.

SAMPLE DESCRIPTIONS

Unlagged Sample Depths and Log Tops

2010 Sh rd bn-dk rd sft rthy blky Ss wh vfg wrtsd frm sli fri sb rnd occ slty arg
2020 Sh bec sli slty Ss wh orng fn gr w srtd frm-sft sb rnd fri sli arg
2030 Sh rd bn-dk rd occ dk gy sft blky rthy txt sli slty occ lt gn Ss cont'd
2040 Sh dk rd sft Ss wh-orng fn gr sb rnd frm sft fri
2050 Sh rd-bn sft slty bec sb plty Ss wh-occ orng vfn gr w srtd sli arg fri frm-sft
2070 Sh cont'd Ss occ fr intr gran poro no show
2080 Sh dk rd-rd orng sft slty vrthy irrg txt blky-sb plty Ss wh-orng-lt orng vfn gr-fn gr occ slty w srtd sb rnd pred dns occ fr intr gran poro
2090 Sh pred dk rd sft bec vslty dolic calc Ss wh-lt orng m-w srtd slty vslty calc fri
2100 Sh very pr samples Ss cont'd AA
2110 Sh rd bn-rd orng sft slty vrthy txt sli calc Ss wh-orng vfn gr w srtd sb ang-sb rnd sft-frm fri sli calc dol
2120 Sh pred dk rd-dk bn Ss wh-gy wh vfn gr occ sil sft-frm fri w srtd sli calc dol occ carb incl
2130 Sh cont'd occ blu-gn Ss wh-wh gy-lt orng vfn gr sb ang-sb rnd m-w srtd
2140 Sh pred rd orng-dk rd Ss pred wh gy-lt orng AA

2150 Sh AA bec vslty Dol wh-wh gy-lt orng vfn gr grdg to slty dol sb ang-sb rnd occ fr intr gran poro abdt fn carb incl
2160 Sh rd orng-dk rd slty rthy occ smth plty sb plty occ blu gn Dol pred wh vfn gr
2170 Sh AA occ rd bn Dol wh-wh gy vfn gr w srtd sb rnd sft-frm fri occ slty sdy occ gy
2180 Sh rd bn-dk rd-rd orng sft sli calc rthy txt occ blu-gn Dol gy wh-gy vfn gr w srtd sb rnd sdy i.p.
2200 Sh cont'd AA Dol gy-wh gy-wh vfn gr w srtd sb rnd sft occ slty carb incl
2210 Sh dk rd-rd bn sft slty-vslty rthy sli calc Dol wh-gy wh gran fn gr w srtd sdy
2230 Sh dk rd-rd bn-gy-blu gn sft slty rthy sli dolic Dol wh gy-lt orng occ wh gran vfn gr w srtd sft sdy-slty i.p. cly cem
2250 Sh cont'd rd orng occ gy Dol wh gy-lt orng-lt bn gran w srtd vfn gr cly cem
2260 Sh rd bn-dk rd-bn occ gy blu gy sfvsft sli slty sli dolic
2280 Sh rd orng-dk rd sft sli dolic occ gy rthy txt Dol occ dk orng vslty arg sft
2290 Sh cont'd Dol wh gy-lt orng gran txt vfn gr w-m srtd sb ang sft carb incl Ls wh gy mot app gran txt fn-m gr pr srtd sdy i.p.
2300 Sh cont'd pred dk rd Dol & Ls cont'd AA
2310 Sh rd orng-dk rd occ rd bn sft sli slty occ plty dolic Dolwh-wh gy gran app vfn gr sft-frm carb incl Ls wh gy-bn gy mot app gran txt m gr pr srtd blk carb strk dol
2320 Sh rd orng decr slty vsft Dol cont'd AA occ gy Ls wh-wh gy occ gran-mot app chlky txt sft
2340 Sh rd orng-rd bn vsft vsli slty sli dolic Dol wh-wh gy-lt orng gran txt vfn gr sft-frm w srtd sli slty Ls wh gy-pnk mot gran app m gr slty dol pr srtd
2350 Sh cont'd AA pred dk rd rd orng Dol cont'd Ls cly cem grdg to dol
2360 Sh rd orng-dk rd-rd bn-gy occ lt blu sft occ smth txt Dol lt gy bn vfn gr w srtd occ carb incl Ls wh-lr orng-wh gy m gr pr srtd dol
2370 Dol gy-wh gy-lt orng gran txt vfn gr w-m srtd sb rnd cly cem occ trnsl chlky lith txt frm Sh cont'd
2380 Dol AA incr bn-gy Sh rd orng-rd bn sft sb plty sli dolic
2390 Dol wh gy-gy-lt orng gran txt w-pr srtd vfn gr-m gr occ mot occ carb incl sdy i.p. sli arg Sh rd orng
2400 Dol cont'd Sh rd orng sft plty sli slty rthy txt
2410 Dol wh gy-gy gran txt fn gr-fxl w srtd i.p. frm cly cem Sh rd orng-rd bn sft slty i.p. dol
2420 Dol wh-wh gy-gy occ m gr mxl Sh pred rd orng slty
2430 Sh AA/occ blu incr slty Dol wh-clr-gy granxl txt fn-m gr mxl w srtd i.p. frm
2440 Sh rd orng rd bn sft rthy txt slty DOl cont'd
2460 Sh rd orng dk rd rd bn sft slty dol Dol wh gy-gy gran occ fxl vfn gr frm occ mxl-cxl sli arg i.p.
2480 Sh cont'd AA Dol bec sli lith txt
2490 Sh rd orng rd bn sft occ gy dolic Ls wh-wh gy chlky frm occ mxl
2500 Sh cont'd rd orng Ls wh-gy wh chlky
2510 Sh rd orng-dk rd sft slty rthy txt sli dolic Ls wh-wh gy chlky lith txt micxl fn gr occ mot app arg frm
2520 Sh & Ls cont'd AA
2530 Sh rd orng-orng-bn-purp sft sli slty Ls wh-gy mot vfn gr mxl chlky gran txt calc cem sli dolic m-pr srtd
2540 Sh vslty rthy Ls wh gy-wh irrg-chlky txt vfn gr mxl frm sli dolic no vis poro lt yel flor

2560 Sh dk rd-rd bn-bn sft rthy txt sli dolic decr slty Ls wh gy chlky-irrg txt pred m gr/vfn gr w srtd calc-cly cem

2580 Sh rd orng-bn cont'd Ls wh gy-gy irrg-chlky-lith txt micxl-fxl vfn gr occ slty arg sli mot carb incl

2590 Sh rd orng rd bn occ lt blu sft rthy Ls cont'd

2600 Sh cont'd AA Ls lt yel flor no ct

2610 Sh rd orng-dk rd-rd bn sft-vsft rthy sli dolic Ls wh-wh gy gran-chlky txt fn gr-fxl dns occ carb incl Dol wh lith txt dns hd micxl

2620 Sh AA bec blky Ls cont'd wh fn gr Dol wh lith

2630 Sh rd orng-dk rd-rd bn sft-vsft slty sli dolic rthy occ lt blu Ls wh-wh gy gran-chlky-lith txt fn gr micxl fxl frm-hd occ trnsl dol

2640 Ls wh-gy micxl-fxl fn gr gran txt i.p. pred lith-irrg txt occ slty Sh gy-rd orng-rd bn calc sft-frm plty sb plty

2660 Sh pred rd orng rd bn cont'd Ls wh-lt gy chlky-gran txt frm-hs micxl-fxl pr srtd i.p. sli dolic dns

2670 Sh rd orng-gy-rd bn rthy blky slty sft Ls lt yel flor no ct

2680 Sh cont'd bec plty Ls wh-wh gy chlky-gran txt fn gr-micxl dns frm-hd occ carb incl tr moldic poro sli fos

2700 Sh rd orng-rd bn occ gy slty sft rthy Ls wh-wh gy pred gran fn gr w srtd /carb spks occ lith-chlky txt dns

2710 Sh dk rd-gy vsft rthy slty Ls wh-wh gy-lt bn irrg fxl txt occ gran-chlky txt mxl frm sli dolic carb spks dns occ dol

2730 Sh dk rd-gy-rd bn vsft vrthy decr slty Ls wh-wh gy pred irrg fxl txt occ chlky-gran abdt carb spec occ fos vfn gr w srtd occ micr frac tr intr granxl poro

2750 Sh rd orng-dk rd-rd bn-bn occ gy sft rthy txt Ls cont'd

WABAUNSEE 2746'

2760 Sh gy-dk rd sft-frm calc occ rthy Ls gy-wh-wh gy frm irrg-chlky txt varg i.p. occ fos vfngr occ vfn gr w srtd dns no vis poro

2770 Ls gy-wh occ spec chlky-irrg txt frm sli arg tr intrxl poro fos occ fn gr w srtd

2780 Sh rd orng-bn blky sli slty sft occ calc Ls wh-wh gy-dk gy pred chlky-irrg xl txt occ mot app fos dns

2790 Sh cont'd bec fis-plty Ls lt yel flor

2800 Sh rd orng-dk rd-bn sft-frm occ vslty vcalc plty occ gy Ls occ c gr carb-pel spec

2810 Sh dk rd-bn-rd bn occ gy pred slty calc plty frm-sft Ls wh-gy-mot gran-chlky txt fos carb arg slty i.p. sli dolic dns

2830 Sh bn-gy-dk rd decr slty rthy sb plty Ls wh chlky occ pnk dol

2840 Sh cont'd Ls wh-gy fxl gran txt carb spec sli slty arg sli fos no vis poro sli yel flor

2860 Sh pred bn vsft Ls wh-wh gy irrg xl txt oxx chlky vfos sli arg decr carb incl

2870 Sh bn-rd orng-rd bn-lt blu vrthy-smth txt slty sli calc sft Ls wh-wh gy occ spec irrg xl txt occ gran-chlky frm-hd vfn gr m srtd i.p. dns

2880 Sh cont'd Ls wh-lt gy chlky-irrg xl txt sli fos occ vslty arg cln dns

2890 Ls wh-lt gy-gy occ gran dol abdt sh prt vslty arg i.p. hd occ mot app dns no vis poro

2910 Sh rd orng-rd bn vslty i.p. rthy sft calc Ls wh-gy chlky-irrg txt sli ool pred dns micxl frm slo dol

2920 Ls gran app vfn gr w srtd no vis poro Sh AA occ dk gy fis

2930 Ls wh-gy chlky-irrg txt occ arg vfn gr fxl dns

2940 Ls wh-lt gy-gy fxl-mxl occ micxl fos calc fl frac dns Sh cont'd

2950 Ls wh-lt gy micxl dns fos occ chlky-gran Sh bn-rd orng sft sli slty vcalc
2960 Sh rd orng-rd bn-gy occ lt gn vsft sb blky calc Ls wh-gy xl txt occ gran mxl-fxl frm dns yel flor no show
2970 Sh bn-rd orng-gy-dk gy vsft calc slty sb blky Ls incr fos pred wh mxl dns
2990 Sh cont'd Ls AA tight

SHAWNEE 2984'

3000 Ls wh-lt gy-gy irrg txt occ chlky gran fos cly pel incl vis calc fl micr frac
3010 Ls wh-gy irrg xl-lith txt occ chlky micxl occ cly-carb incl trnsl-opq sli dol dns Sh rd orng-bn gy rthy vsft vcalc i.p. vslty sdy i.p.
3060 Sh bn-dk bn-rd orng-lt gy-dk gy vsft-sli frm calc grdg to ls i.p. slty Ls wh-wh gy lith xl txt micxl trnsl-opq frm-hd occ gran vfn gr w srtd dns sli yel flor fos i.p.
3090 Sh rd bn-bn-rd orng-gy-blu gy vslty i.p. sft-frm sb blky Ls wh-wh gy lith-irrg txt micxl fxl occ chlky fos dol i.p. sh prt no vis poro yel flor
3100 Sh occ dk gy calc-dol grdg to ls Ls pred wh-crm chlky sli fxl app vdns abdt lt yel flor
3110 Sh rd bn-bn-rd orng occ blu calc slty Ls wh-wh gy lith txt micxl hd dns occ fn gr fxl fos frm
3130 No Sample

DEER CREEK 3130'

3140 Ls wh-lt gy gran irrg txt fn-m gr m-pr srtd sli ool pred cln dns Sh bn-rd orng sli slty blky calc frm-sft
3150 Ls cont'd AA Sh bec gy-dk gy calc
3160 Ls wh-gy gran xl txt occ lith fn-fxl frm sli dol w-m srtd dns Sh rd bn-bn gy sft sli calc occ slty
3170 Sh bec gy plty Ls occ micxl trnsl dns
3180 Sh rd bn-bn sft-vsft sb blky Ls wh-wh gy-gy gran-irrg txt vfn-fxl sli dol dns
3190 Sh bec gy-dk gy plty sft Ls cont'd
3200 Sh rd bn-rd orng sft sb blky occ blu slty vsft Ls bec lith dns lt yel flor
3210 Sh rd orng-bn-gy vsft vslty i.p. occ calc Ls tr wh chlky sft-frm
3220 Sh cont'd Ls wh-gy chlky-lith txt micxl-fxl occ cxl trnsl-opq dns frm-hd
3230 Ls wh-wh gy gran xl txt vfn gr w srtd frm occ lith micxl dns Sh rd orng-rd bn-gy sft-vsft slty i.p.
3240 Ls wh-wh gy occ gy ool fxl calc cem occ micxl lith
3260 Ls wh-wh gy irrg xl-lith txt tr ool frm-hd m-pr srtd tr intr gran poro Sh rd orng-dk bn-gy rthy txt vsft-frm calc i.p.
3270 Ls wh gy gran-lith irrg xl txt sli ool pred micxl dns Sh rd bn-bn-gy blky occ fis sft

LECOMPTON 3369'

3280 Ls wh gy chlky irrg xl txt prt gran frm-hd tr intr gran poro Sh cont'd AA pred blky
3290 Ls incr micxl lith txt Sh incr dk gy
3300 Ls gy-wh gy lith txt occ vug poro
3310 Ls wh gy-gy-lt bn pred lith micxl occ fxl-mxl occ carb fl micr frac dns Sh dk bn-rd orng slty sft calc
3320 Ls incr carb spec Sh gy-dk gy vcalc frm grdg to ls
3330 Ls wh-wh gy occ dk gy shly pred lith-irrg xl txt micxl-fxl tr carb dns Sh dk gy-gy vcalc frm sli slty plty
3340 Ls cont'd Chrt tr vang trnsl-opq Sh incr dk gy
3350 Ls wh-wh gy-lt gy irrg xl-lith txt occ gran abdt cly incl sh prt occ ool sli arg dns no vis poro Sh gy-dk gy vsllty calc gdg to ls

3370 Ls lt gy-wh-wh gy irrg xl-lith-gran txt micxl-fxl-fn gr occ vfn gr w srtd sh lam sli carb dns Sh dk rd-gy-dk gy sft-frm calc slty rthy

3380 Ls abdt ool moldic intr gran poro lt yel flor

3390 Ls wh gy-lt tn lt gy irrg xl-lith-chlky txt ool micxl fxl fn gr grdg to sh i.p. Sh gy-dk gy frm sli slty vcalc

3400 Ls wh=wh gy lith-gran sli ool vfn gr micxl oom moldic intrxl poro sli arg sh i.p. Sh dk rd-dk gy sb plty frm-sft occ calc

3410 Ls wh-wh gy xl-chlky txt occ lith-micxl intr gran poro tr carb spec lt yel flor Sh gy-dk gy calc frm-sft slty grdg to ls

3420 Ls fn intr gran oom poro Sh bec sb plty

3430 Ls wh-gy xl-chlky txt sli fos frm shly i.p. occ fn gr w srtd tr intr gran intr xl poro Sh dk bn-rd orng-gy vsft occ vslty calc

3440 Ls occ sli arg Sh bec dk gy

3450 Ls wh-gy-lt tn mlti txt micxl-mxl-m gr fos trnsl-opq i.p. vfn gr w-m srtd i.p. tr carb spec occ vslty Sh gy-dk rd sft slty i.p. plty-sb plty

3460 Ls cont'd/incr fos Sh gy-rd orng-dk rd vsft blky

3470 Ls cont'd AA Sh dk gy blky slty calc sft-frm

3480 Ls wh-buf-gy vxl txt occ lith-gran chlky frm fos pel i.p. tr poro no vis poro

3490 Ls wh-gy-lt tn xl-lith txt trnsl i.p. arg i.p. abdt carb incl Sh dk gy-dk bn-dk rd plty fis sli calc

3500 Ls wh-gy irrg xl-gran txt occ lith abdt blk carb incl sli arg tr sh lam Sh pred gy sft slty /blk carb incl