FORM MUST BE TYPED **ORIGINAL** SIDE ONE

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

API NO. 15- 081-21144 - 0000

County Haskell

C - SE - NE S. 8 T. 29S R. 34 W

1980 Feet from N Line of Section

660 Feet from E Line of Section

Footages Calculated From Nearest Outside Section Corner:

(NE) SE, NW, or SW (circle one)

Operator: License # 3871

Name: Hugoton Energy Corporation

Address: 301 N. Main, Suite 1900

City/State/Zip Wichita, Kansas 67202

Purchaser:

Operator Contact Person: Earl Ringeisen

Phone (316) 262-1522

Contractor: Name: Murfin Rig #20

License: 30606

Wellsite Geologist: Jon Christensen

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 Inj/SWD

☐ Plug Back PBTD

☐ Commingled Docket No.

☐ Dual Completion Docket No.

☐ Other (SWD or Inj?) Docket No.

8/19/97 Spud Date | 9/3/97 Date Reached TD | 10/15/97 Completion Date

Lease Name MLP Collingwood Well # 1-8

Field Name Eubank

Producing Formation Lansing-Kansas City

Elevation: Ground 3000' KB

Total Depth 5630' PBTD 4540

Amount of Surface Pipe Set and Cemented at 1780 Feet.

Multiple State Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 2999 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan AH I, 1-23-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 7500 ppm Fluid volume 685 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec Twp R E/W

County Docket No.

CONFIDENTIAL
RELEASED
JAN 29 1999
FROM CONFIDENTIAL
KCC
DEC 16
CONFIDENTIAL
12-18-97

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Finney State Office 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 Earl Ringeisen

Title Vice President of Operations Date: 12/16/97

Subscribed and sworn to before me this 16TH day of DEC. '97

Notary Public Arlene Valliquette

Date Commission Expires NOTARY PUBLIC - STATE of KANSAS ARLENE VALLIQUETTE My Appt. Exp. 7-21-99

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: Hugoton Energy Corporation | Lease Name: MLP Collingwood | Well #: 1-8

Sec: 8 | Twp: 29S | Rge: 34 | West | County: Haskell

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: Z-Densilog Compensated Neutron, BHC Acoustilog Compensated Neutron, BHC Acoustilog, High Resolution Dual Induction Focused Log

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

Name	Top	Datum
Heebner Shale	3974	-967
Lansing A	4067	-1060
Kansas City A	4481	-1474
Kansas City B	4557	-1550
Base KC	4648	-1641
Marmaton	4659	-1652
Cherokee Shale	4815	-1808
Morrow Shale	5160	-2153
Chester	5333	-2326
Chester SS (Lwr)	5402	-2395
St. Genevieve	5438	-2431
St. Louis	5526	-2519

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"	23#	1780'	65/35 Class C	500 150	6% gel, 3% cc, ¼ pps flo-cele 3% cc
Production	7-7/8"	5-1/2"	14#	5626'	65/35 Class H	100 250	6% D20, 2% SI & ¼ pps D29 2% SI, 1% D60, ¼ pps D29
Port Collar				2999'	Class C	350	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate	5405	5412	Common	125	
☐ Protect Casing	4079	4082	Class H	150	.6% D60
☐ 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	5405-5412' squeezed off	600 gal 7-1/2% NE-FE acid squeeze off w/ 125 sx cement	
4	5372-5380	1000 gal 7-1/2% NE-FE Acid Frac w/ 46,158# 16/30 Ottawa sand & 558 bbls gelled fluid	
	CIBP set @ 4630'	2 sx cement	
4	4551-4554 CIBP set @ 4540'	440 gal 15% NE-FE Acid	
2	4483-4484		
2	4079-4082 squeezed off	squeezed off w/ 150 sx	
2	4079-4082	500 gal 15% NE-FE acid	

TUBING RECORD Size 2-7/8" Set At 4514 Packer at | Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 10/16/97 | Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	6	5	132	833:1	

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)

Form ACO-1 (7/91)

*******TIGHT HOLE*******

Drill Stem Test Information for ACO-1
Hugoton Energy Corporation
MLP Collingwood #1-8
Sec. 8-29S-34W, Haskell County, KS
API # 15-081-21144

DST 1

Test Interval: 4051' - 4090' Mis-run.

Times: 30-60

First Open: Tool opened with weak blow. Died.

Pressures	IHP	1870
	FHP	1910

DST 2

Test Interval: 4105' - 4140'

Times: 30-60-30-60

First Open: Weak blow, built to 1-1/2". ISI: Bled off 2", no blow back

Second Open: Weak blow, built to 1/8". FSI: Bled off 2", no blow back

Recovery:	10'	muddy water (12% water, 88% mud)
	120'	muddy water (45% water, 55% mud)

Pressures	IHP	2034
	IFP	33-54
	ISIP	1026
	FFP	97-108
	FSIP	1016
	FHP	1903

DST 3

Test Interval: 4465' - 4501'

Times: 30-60-45-90

First Open: Strong blow, BOB in 60 sec. GTS 30 min. ISI: Bled off 2", 20 min. Built to 2" in bucket.

Second Open: Strong blow, BOB in 3 min. FSI: Bled off 2", built to BOB in 30 min.

Recovery:	36'	clean gassy oil (16% gas, 84% oil)
	120'	gassy muddy oil (50% gas, 35% oil, 15% mud)
	120'	gassy oily watery mud (50% gas, 25% oil, 5% water, 20% mud)
	180'	oily gassy muddy water (40% gas, 45% oil, 10% water, 5% mud)
	180'	gassy oily muddy water (55% gas, 20% oil, 20% water, 5% mud)

Pressures	IHP	2278
	IFP	161-203
	ISIP	1026
	FFP	245-348
	FSIP	1026
	FHP	2278

*****TIGHT HOLE*****

Drill Stem Test Information for ACO-1
Hugoton Energy Corporation
MLP Collingwood #1-8
Sec. 8-29S-34W, Haskell County, KS
API # 15-081-21144

DST 4

Test Interval: 4546' - 4575'

Times: 30-60-45-90

First Open: Strong blow, BOB in 30 sec. GTS 10 min. ISI: Bled off 2", no blow back.

Second Open: Strong blow, BOB soon as tool opened. FSI: Bled off 2", no blow back.

Recovery:		
	41'	gassy watery mud (5% gas, 5% water, 90% mud)
	120'	gassy watery mud (10% gas, 20% water, 70% mud)
	60'	gassy muddy water (5% gas, 55% water, 40% mud)
	60'	gassy muddy water (5% gas, 65% water, 30% mud)

Pressures		
	IHP	2177
	IFP	86-76
	ISIP	481
	FFP	65-97
	FSIP	471
	FHP	2278

DST 5

Test Interval: 5142' - 5300'

Times: 30-60-30-60

First Open: Weak blow. Built ¼" in bucket. ISI: No blow back after bleeding off 2".

Second Open: Weak blow & built 1/8" in bucket. FSI: No blow back after bleeding off 2".

Recovery:		
	5'	drilling mud

Pressures		
	IHP	2622
	IFP	128-137
	ISIP	214
	FFP	128-119
	FSIP	111
	FHP	2369

*******TIGHT HOLE*******

Drill Stem Test Information for ACO-1
Hugoton Energy Corporation
MLP Collingwood #1-8
Sec. 8-29S-34W, Haskell County, KS
API # 15-081-21144

DST 6

Test Interval: 5382' - 5438'

Times: 30-60-45-90

First Open: Strong blow, BOB in 6 min. ISI: Bled off 2", no blow back.

Second Open: Fair blow, built to BOB in 40 min. FSI: Bled off 2", no blow back.

Recovery:	20'	watery mud w/ slight oil cut (2.5% oil, 2.5% water, 95% mud)
	60'	gassy mud w/ slight oil cut (15% gas, 5% oil, 80% mud)
	60'	gassy muddy water w/ slight oil cut (5% gas, 5% oil, 50% water, 40% mud)
	120'	gassy muddy water w/slight oil cut (2.5% gas, 2.5% oil, 60% water, 30% mud)

Pressures	IHP	2808
	IFP	108-118
	ISIP	1176
	FFP	150-150
	FSIP	1136
	FHP	2829

ALLIED CEMENTING CO., INC. 8891

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED KANSAS CORP COMM. ORIGINAL
1997 DEC 18 PM 12:46

SERVICE POINT: Oakley

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
8/20/97	8	29s	34w		4:30PM	4:00AM	5:15

MLP
LEASE Collingwood WELL # 1-8 LOCATION Sublette 6N 10W 1/2s w/s COUNTY Haskell STATE KS
OLD OR (NEW) (Circle one)

CONTRACTOR Murfin Rig #20
TYPE OF JOB Cmt 8 5/8 Surface Csg
HOLE SIZE 12¼ T.D. 1791
CASING SIZE 8 5/8 23# DEPTH 1780
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 500 MINIMUM 100
MEAS. LINE SHOE JOINT 36
CEMENT LEFT IN CSG. 36
PERFS.
DISPLACEMENT 111

OWNER Same

CONFIDENTIAL

CEMENT
AMOUNT ORDERED
500 sks 65/35+6%gel/ 3%cc ¼# Flo-Seal/
150 sks Class C +3%cc

COMMON	150 sks "C"	@ 9.25	1,387.50
POZMIX		@	
GEL		@	
CHLORIDE	21 sks	@ 28.00	588.00
	Lite 500 sks	@ 7.05	3,525.00
	Flo-Seal 125#	@ 1.15	143.75
		@	
		@	
		@	
HANDLING	650 sks	@ 1.05	682.50
MILEAGE	4¢ per sk/mile		624.00
		TOTAL	6,950.75

EQUIPMENT

PUMP TRUCK CEMENTER Max
300 HELPER Wayne
BULK TRUCK
280 DRIVER Lonnie
BULK TRUCK
347 DRIVER Jeff

RELEASED
JAN 29 1999
FROM CONFIDENTIAL

KCC
DEC 16
CONFIDENTIAL

REMARKS:

Cmt 8 5/8 Surface Csg with 500 sks 65/35+ 6%gel/ 3%cc 1/4# Flo-Seal/ + 150 sks Class C +3%cc Drop Plug Displace 115 BBL Plug Did Not Land Float Held Cement Did Circulate.

SERVICE

DEPTH OF JOB	1790		
PUMP TRUCK CHARGE			1,185.00
EXTRA FOOTAGE		@	
MILEAGE	24 - mi	@ 2.85	68.40
PLUG	8 5/8 Rubber	@	90.00
		@	
		@	
		TOTAL	1,343.40

CHARGE TO: Hugoton Energy
STREET 4532 W. Jones Ave.
CITY Garden City STATE Kansas ZIP 67846

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Rodney Farm

PRINTED NAME

CEMENTING SERVICE REPORT

Schlumberger
Dowell

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

TREATMENT NUMBER 2001860 | DATE 9-3-97
STAGE 1 | DS | DISTRICT Liberal KS

WELL NAME AND NO. MLP Collingwood | LOCATION (LEGAL) Sec 8-29S-34W
FIELD-POOL Eubank | FORMATION
COUNTY/PARISH Haskell | STATE KS | API. NO.

NAME Hugoton Energy
AND ORIGINAL
ADDRESS
ZIP CODE

SPECIAL INSTRUCTIONS
Cement + Equipment to Safely Cement

IS CASING/TUBING SECURED? ☐ YES ☒ NO
LIFT PRESSURE 3322 PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)
PRESSURE LIMIT PSI | BUMP PLUG TO 1668 PSI
ROTATE RPM | RECIPROCATE FT | No. of Centralizers 10

RIG NAME: Murfin #20

WELL DATA:		BOTTOM			TOP
BIT SIZE 7 7/8	CSG/Liner Size	5 1/2			
TOTAL DEPTH	WEIGHT	14			
☒ ROT ☐ CABLE	FOOTAGE	5630			
MUD TYPE	GRADE				
☐ BHST ☐ BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	5600			TOTAL
MUD VISC.	Disp. Capacity	134.6			

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

Float	TYPE	Auto Fill	Stage Tool	TYPE	Port Collar
	DEPTH	5600		DEPTH	3019
SHOE	TYPE	Guide		TYPE	
	DEPTH	5630		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

JOB SCHEDULED FOR TIME: 1300 DATE: 9-3-97 | ARRIVE ON LOCATION TIME: 1300 DATE: 9-3-97 | LEFT LOCATION TIME: DATE:

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
1720								PRE-JOB SAFETY MEETING
1730	0			0	0			Start Water
1734	~~687~~	687		10.5	5.5			Start CW100
1736	~~685~~	685		5	5.5			Start Water
1737		738		4	5.4		13.0	Start Lead Cement
1743		526		37	5.3		12.67	Reset Vol — Start Tail
1753		163		51	5.3		11.4	Shut Down
1801								Drop Plug — Start displace.
1814		174		71	5.0			Lower Pump Rate
1816		118		78	5.6			Increas Pump Rate
1826		983		130	2.3			Lower Pump Rate
1829		1005		136	2.2			PSI check
1830		1668		137	2.2			Bump Plug
1831		1200		137	—			Bleed Psi off

RELEASED
JAN 29 1999
FROM CONFIDENTIAL

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	10 bbls		CW100	10	
2.	100	2.15	35/65 POZ/C + 6% D20 + 2% S1 + 1/4 #/S D29	37	12.2
3.	250	1.05	"H" + 2% S1 + 1% D10 + 1/4 #/S D29	51	16.4
4.					
5.					
6.					

BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE 1005 MAX. | MIN: 190
☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST ☐ YES ☐ NO | Cement Circulated To Surf. ☐ YES ☒ NO Bbls.
BREAKDOWN PSI | FINAL PSI | DISPLACEMENT VOL. 137.1 Bbls | TYPE OF WELL ☒ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT
Washed Thru Perfs ☐ YES ☐ NO TO FT. | MEASURED DISPLACEMENT ☐ ☐ WIRELINE
PERFORATIONS TO TO / TO TO

CUSTOMER REPRESENTATIVE Joe Brower
DS SUPERVISOR Charley N King

ALLIED CEMENTING CO., INC. 8582

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Oakley

DATE 9-22-97	SEC. 8	TWP. 29	RANGE 34	CALLED OUT	ON LOCATION 3:00 PM	JOB START	JOB FINISH 5:15 PM
LEASE MLP Collinwood	WELL # 1-8		LOCATION 83 + 160 Jct 10W-1/2S-4S			COUNTY Haskell	STATE Kan
OLD OR NEW (Circle one)							

CONTRACTOR Patrick Well Service
TYPE OF JOB Squeeze
HOLE SIZE T.D.
CASING SIZE DEPTH
TUBING SIZE 2 1/2 DEPTH
DRILL PIPE DEPTH
TOOL retainer DEPTH 5400'
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. RELEASED
PERFS. 5405-12'
DISPLACEMENT JAN 29 1999

OWNER Same

CEMENT

AMOUNT ORDERED 125 SKs Com, 25# Cemad

EQUIPMENT

FROM CONFIDENTIAL

PUMP TRUCK CEMENTER Walt
191 HELPER Dean
BULK TRUCK
218 DRIVER Lonnie
BULK TRUCK
DRIVER

COMMON	125 SKs	@ 7.55	943.75
POZMIX		@	
GEL		@	
CHLORIDE		@	
Cemad 25#		@ 4.50	112.50
		@	
		@	
		@	
		@	
HANDLING	125 SKs	@ 1.20	150.00
MILEAGE	4¢ per SK/mile		100.00
		TOTAL	1,306.25

REMARKS:

Put 500 PSI, on backside, Shut in Took rate: 2 BPM @ 700 PSI, mixed 75 SKs Com W/ Friction reducer, Tail in W/50 SKs Com, Displaced 29 3/4 BBL, Squeeze to 2000#. Pulled out of retainer, washed out Tubing & Casing.

SERVICE

DEPTH OF JOB	5400#		
PUMP TRUCK CHARGE			1,080.00
EXTRA FOOTAGE		@	
MILEAGE	20 miles	@ 2.85	57.00
PLUG		@	
		@	
		@	
		TOTAL	1,137.00

CHARGE TO: Hugoton Energy
STREET 4532 W. Jones Ave.
CITY Liberal STATE Kansas ZIP 67846

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Joe Baugher

PRINTED NAME

ORIGINAL CONFIDENTIAL

Schlumberger
Dowell

Cementing Service Report

15-081-21144

Customer	Job Number
HUGOTON ENERGY CORPORATION	20020746

Well	Location (legal)	Dowell Location	Service Date
MLP COLLINGWOOD 1-8	Sec 8-29S-34EW	Ulysses, KS	9/18/97

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
EUBANK		0 °	0 in	2,999 ft	2,999 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Haskell	KS	0 psi	95 °F	85 °F	0 psi/ft

Rig Name	Drilled For	Service Via
	Oil	Land

Water Depth	Well Class	Well Type
	101	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity
	0 lb/gal	0 cp

Service Line	Job Type
Cementing	Cem Prod Casing

Max. Allowed Tubing Pressure	Max. Allowed Ann. Pressure	WellHead Connection
2000 psi	0 psi	Swadge - 2 7/8"

Service Instructions

Safely deliver & perform Port Collar Cement Treatment with materials & equipment listed below. Per clients instuctions.

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
2999	5.5	14	K55	8RD
0	0	0		

Tubing/Drill Pipe

Depth,	Size, in	Weight, lb/ft	Grade	Thread
2999	2.875	6.5	J55	N/A
0	0	0		

Perforations/Open Hole

Top, ft	Bottom, ft	spf	No. of Shots	Total Interval
0	0	0	0	0 ft
0	0	0	0	Diameter
0	0	0	0	0 in

Treat Down	Displacement	Packer Type	Packer Depth
Tubing	16.5 bbl	Port Collar	2999 ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
17.3 bbl	0 bbl	0 bbl	0 bbl

Casing/Tubing Secured	1 Hole Volume Circulated prior to Cementing
☑	☐

Lift Pressure:	psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers:	Top Plugs:	Bottom Plugs:
0	0	0

Cement Head Type:

Job Scheduled For:	Arrived on Location:	Leave Location:
9/19/97 7:00	9/19/97 7:00	9/19/97 10:30

Casing Tools

Shoe Type:	
Shoe Depth:	0 ft
Stage Tool Type	
Stage Tool Depth:	0 ft
Collar Type:	
Collar Depth:	ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	0 ft
Tail Pipe Size:	0 in
Tail Pipe Depth:	0 ft
Sqz Total Vol:	0 bbl

Time (24 hr clock)	CumVol (bbl)	Density (ppg)	Pressure U1 (psi)	Reset Volume (bbl)	TotFlowrate (bpm)			Message
8:04	0	0	0	0	0	0	0	START ACQUISITION
8:04	0	5	-3693	0	0	0	0	
8:05	0	0	0	0	0	0	0	Start Pumping Water
8:05	0	8.951	-5495E-12	0	0	0	0	
8:05	0	8.962	-2898E-6	0	0	0	0	
8:06	0	8.636	4.433	0	0	0	0	
8:06	0	8.883	-1.331	0	0	0	0	
8:07	.3808	8.78	113.6	.3808	2.082	0	0	
8:07	.8567	8.851	-1.143	.8567	1077E-5	0	0	
8:08	.8618	8.902	10.81	.8618	.2703	0	0	
8:08	1.094	8.893	242.5	1.094	6935E-5	0	0	
8:09	1.324	8.939	671.5	1.324	.2539	0	0	
8:09	1.453	8.93	893.6	1.453	.1113	0	0	
8:10	1.552	8.965	1062	1.552	8921E-5	0	0	
8:10	1.739	8.969	1409	1.739	.2884	0	0	
8:11	1.938	8.958	1784	1.938	.2862	0	0	
8:11	2.083	8.977	2020	2.083	.1543	0	0	
8:12	2.095	8.938	2027	2.095	1232E-5	0	0	
8:12	2.096	8.911	2001	2.096	1332E-7	0	0	
8:13	2.096	8.902	1994	2.096	4769E-11	0	0	
8:13	2.096	8.962	1981	2.096	1707E-14	0	0	

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ORIGINAL

Well		Field		Service Date	Customer	Job Number
MLP COLLINGWOOD #1-8		EUBANK		9/18/97	GOTON ENERGY CORPORA	20020746

Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	Reset Volume bbl	TotFlowrate bpm			Message
8:14	2.096	8.93	1971	2.096	6113E-18	0	0	
8:14	2.096	8.932	1962	2.096	2189E-21	0	0	
8:15	2.096	9.002	1954	2.096	7836E-25	0	0	
8:15	2.096	8.962	1533	2.096	2805E-28	0	0	
8:16	2.096	8.951	1018	2.096	1004E-31	0	0	
8:16	2.096	8.975	451.7	2.096	3596E-35	0	0	
8:17	2.096	8.954	433.8	2.096	1287E-38	0	0	
8:17	2.096	8.959	428.7	2.096	4609E-42	0	0	
8:18	2.096	8.961	424.7	2.096	165E-44	0	0	
8:18	2.096	8.96	419.5	2.096	5908E-49	0	0	
8:19	2.096	8.956	410.2	2.096	2115E-52	0	0	
8:19	2.096	8.933	406.4	2.096	7573E-56	0	0	
8:20	2.096	8.962	401.7	2.096	2711E-59	0	0	
8:20	2.096	8.964	392.7	2.096	9707E-63	0	0	
8:21	2.096	8.951	392.3	2.096	3475E-66	0	0	
8:21	2.096	8.975	384.4	2.096	1244E-69	0	0	
8:22	2.096	8.954	377.5	2.096	4455E-73	0	0	
8:22	2.096	8.944	372.4	2.096	1595E-76	0	0	
8:23	2.096	8.948	368.4	2.096	571E-79	0	0	
8:23	2.096	8.934	358.5	2.096	2044E-83	0	0	
8:24	2.096	8.956	355.1	2.096	7319E-87	0	0	
8:24	2.096	8.946	347.8	2.096	262E-89	0	0	
8:25	2.096	8.942	343	2.096	9382E-94	0	0	
8:25	2.096	8.96	337.4	2.096	3359E-97	0	0	
8:26	2.096	8.96	333.2	2.096	1203E-100	0	0	
8:27	2.096	8.968	321.8	2.096	3774E-101	0	0	
8:27	2.096	8.945	318.9	2.096	3774E-101	0	0	
8:28	2.096	8.971	312.6	2.096	3774E-101	0	0	
8:28	2.096	8.946	160.9	2.096	3774E-101	0	0	
8:29	2.096	8.957	147.1	2.096	3774E-101	0	0	
8:29	2.104	8.967	159	2.104	.233	0	0	
8:30	2.341	8.56	237.2	2.341	.4587	0	0	
8:30	3.014	8.54	328.3	3.014	1.699	0	0	
8:31	3.869	8.563	322.1	3.869	1.699	0	0	
8:31	4.726	8.526	332.5	4.726	1.701	0	0	
8:32	5.577	8.553	344.5	5.577	1.686	0	0	
8:32	6.422	8.562	349.8	0	1.676	0	0	[Reset Volume]=0 bbl
8:32	0	0	0	0	0	0	0	Start Mixing Lead Slurry
8:33	7.262	8.555	353.3	.8404	1.666	0	0	
8:33	8.117	8.479	347.8	1.696	1.724	0	0	
8:34	8.982	8.314	343.6	2.561	1.727	0	0	
8:34	10.06	12.65	520	3.64	3.255	0	0	
8:35	11.77	10.48	486.2	5.35	3.421	0	0	
8:35	13.49	11.46	450.2	7.072	3.429	0	0	
8:36	15.22	10.79	420	8.798	3.458	0	0	
8:36	17.12	12.17	457.4	10.7	3.911	0	0	
8:37	19.12	11.26	420.5	12.7	4.013	0	0	
8:37	21.16	12.02	393	14.74	4.093	0	0	
8:38	23.22	10.36	331.1	16.8	4.115	0	0	
8:38	25.3	11.2	313.1	18.88	4.14	0	0	
8:39	27.38	11.73	272.7	20.96	4.136	0	0	
8:39	29.46	11.2	230.1	23.04	4.156	0	0	
8:40	31.55	10.98	227.7	25.13	4.136	0	0	

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FROM CONFIDENTIAL

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Well			Flow		Service Date	Customer	Job Number
MLP COLLINGWOOD #1-8			EUBANK		9/18/97	SOTON ENERGY CORPOR	20020746

Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	Reset Volume bbl	TotFlowrate bpm			Message
8:40	33.63	10.79	221.2	27.21	4.14	0	0	
8:41	35.71	12.16	243.3	29.29	4.13	0	0	
8:41	37.78	11.82	238.2	31.36	4.111	0	0	
8:42	39.85	11.19	236.9	33.43	4.139	0	0	
8:42	41.93	10.81	250.3	35.51	4.126	0	0	ORIGINAL
8:43	44.01	10.56	251.1	37.59	4.125	0	0	
8:43	46.08	11.91	270.8	39.66	4.113	0	0	
8:44	48.16	11.63	263.3	41.74	4.131	0	0	
8:44	50.24	10.72	245	43.82	4.136	0	0	
8:45	52.31	10.86	235.3	45.89	4.122	0	0	CONFIDENTIAL
8:45	54.39	10.82	230.2	47.97	4.154	0	0	
8:46	56.47	11.14	239.6	50.05	4.131	0	0	
8:46	58.54	11.61	264.9	52.12	4.102	0	0	
8:47	60.61	12.59	276.1	54.18	4.092	0	0	
8:47	62.67	12.54	258.4	56.24	4.108	0	0	
8:48	64.74	11.9	223.3	58.32	4.131	0	0	
8:48	66.82	10.82	201.2	60.39	4.138	0	0	
8:49	68.89	12.23	224.1	62.47	4.121	0	0	
8:49	70.97	10.54	191.7	64.55	4.149	0	0	RELEASED
8:50	73.05	11.29	197.5	66.63	4.134	0	0	
8:50	75.13	11.28	195	68.71	4.137	0	0	JAN 29 1999
8:51	77.21	11.46	189.3	70.79	4.124	0	0	
8:51	79.28	11.11	185.5	72.86	4.112	0	0	
8:52	81.35	12.47	215.7	74.93	4.083	0	0	FROM CONFIDENTIAL
8:52	83.42	10.2	203.6	77	4.131	0	0	
8:53	85.49	11.76	247.5	79.06	4.087	0	0	
8:53	87.55	10.21	219.5	81.13	4.114	0	0	
8:54	89.62	10.34	233.9	83.19	4.106	0	0	
8:54	91.67	11.78	265.7	85.25	4.079	0	0	
8:55	93.73	12.92	273.8	87.3	4.055	0	0	
8:55	95.77	12.73	275.2	89.35	4.077	0	0	
8:56	97.84	10.87	234.1	91.41	4.114	0	0	
8:56	99.9	11.08	248.8	93.48	4.093	0	0	
8:57	102	12.96	281	95.53	4.066	0	0	
8:57	104	12.6	271.2	97.59	4.09	0	0	
8:58	106.1	11.87	244	99.65	4.086	0	0	
8:58	108.1	11.23	229.5	101.7	4.12	0	0	
8:59	110.2	11.81	223.2	103.8	4.112	0	0	
8:59	112.3	11.84	228.9	105.9	4.111	0	0	
9:00	114.3	11.47	229.3	107.9	4.115	0	0	
9:00	116.4	11.86	243.4	110	4.07	0	0	
9:01	118.5	11.12	232.4	112	4.112	0	0	
9:01	120.5	11.23	232.5	114.1	4.099	0	0	
9:02	122.6	11.73	249.6	116.2	4.099	0	0	
9:02	124.6	11.72	258.5	118.2	4.086	0	0	KCC
9:03	126.7	11.92	255.1	120.3	4.061	0	0	
9:03	128.7	11.59	254.3	122.3	4.089	0	0	DEC 16
9:04	130.8	11.74	254.5	124.4	4.098	0	0	
9:04	132.9	11.6	255.2	126.4	4.093	0	0	CONFIDENTIAL
9:05	134.9	11.47	260	128.5	4.091	0	0	
9:05	137	11.06	257.9	130.6	4.087	0	0	
9:06	139	11.03	261.9	132.6	4.084	0	0	
9:06	141.1	11.5	264.9	134.7	4.059	0	0	

Well	Field	Service Date	Customer	Job Number
MLP COLLINGWOOD #1-8	EUBANK	9/18/97	GOTON ENERGY CORPOR	20020746

Time 24 hr clock	CumVol bbl	Density ppg	Pressure U1 psi	Reset Volume bbl	TotFlowrate bpm			Message
9:57	248.1	10.27	196.6	8.539	2.875	0	0	
9:57	249.5	10.26	203.1	9.98	2.858	0	0	
9:58	250.9	10.26	194.3	11.42	2.864	0	0	
9:58	252.4	10.25	195.4	12.86	2.869	0	0	ORIGINAL
9:59	253.8	10.27	190	14.28	2.808	0	0	
9:59	255.2	10.25	198.7	15.7	2.857	0	0	
10:00	256.7	10.21	193.9	17.14	2.872	0	0	
10:00	258.1	10.21	186.7	18.58	2.873	0	0	
10:01	259.5	10.22	184.5	20.03	2.894	0	0	
10:01	261	10.22	172.2	21.49	2.906	0	0	CONFIDENTIAL
10:02	262.5	10.23	171.4	22.95	2.906	0	0	
10:02	263.9	10.2	169.3	24.4	2.895	0	0	
10:03	264.8	10.44	-14.68	25.33	7467E-5	0	0	
10:03	264.9	10.55	-11.7	25.33	2673E-8	0	0	

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate
4	0	0	4

Volume of Fluid Injected, bbl

Total Slurry	Mud	Spacer	N2
167	0	0	0

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
770	770	250	0	0

Breakdown Fluid

Type	Volume	Density
	0 bbl	0 lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement
0 %	0 bbl	16.5 bbl

☑ Cement Circulated to Surface? Volume 20 bbl

☐ Washed Thru Perfs To 0 ft 35 sks

Customer or Authorized Representative	Dowell Supervisor		
Joe Brougher	David Brawley	☐ CirculationLost	☑ Job Completed

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