

CONFIDENTIAL

Operator Name Murfin Drilling Co., Inc.

Lease Name Loenderback

Well # 2-2

Sec. 2 Twp. 35S Rge. 31W

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:

See attached.

Log Formation (Top), Depth and Datum Sample
Name Top Datum

See attached.

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#	1503	Lite Class C	500	2%cc, 1/2# FC
Production	7 7/8	4 1/2	10.5#	6520	Lite Class A	100	3%cc, 1/2#/sxFC
					SuperFlush	175	10#/sxGilsonite
						500gal	15% salt, 8/10% Halad 9

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated.		(Amount and Kind of Material Used)	Depth
4	5990-97		750 gal. 15% MCA	7 3000 gal 5990-97' &
4	5978-80		15% Gelled FE	5978-80'

TUBING RECORD	Size <u>2 3/8</u>	Set At <u>5794</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. <u>SIGWI 2/16/94</u>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours <u>2/10/95</u>	Oil Flow Test <u>Bbls.</u>	Gas <u>247</u> Mcf	Water <u>1.16</u> Bbls.	Gas-Oil Ratio	Gravity
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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 as above

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ORIGINAL

SUPPLEMENT TO ACO-1

.LOUDERBACK #2-2
.NW SW SE Sec. 2-35S-31W
.900' fSL 2310' fEL
.Seward County, Kansas
.Page 1

API#15-175-21430

RELEASED

APR 9 1996

DST #1: 4581-4604'
30-60-45-60

IF: wk blow slowly increasing to 3" in the bucket.
FF: no blow, very wk surface blow after 30 min.
REC: 70' SW
HP: 2325-2315, SIP: 1252-914, FP: 60-60/60-60, BHT: 115°

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DST #2: 4620-4643 - LANSING B
30-60-60-120

IF: wk blow steadily increasing to 8" in the bucket @ end of period
FF: wk blow bldg to 7" @ the end of period.
REC: 270' GIP
10' CLGO (4% G, 96% O)
90' MW (50% W, 50% M)
530' SW
630' Total Fluid
HP: 2251-2235, SIP: 1265-1265, FP: 76-107/215-261, BHT: 115°
RW: Rec Middle .128 @ 56° - 60,000 ppm chl
Bottom .101 @ 55° - 115,000 ppm chl
Sampler.101 @ 55° - 115,000 ppm chl
Sample Chamber: .01 CF Gas, 3000 ccw, 500 psi

DST #3: 5106-5291 (SWOPE, MARMATON)
30-60-60-120

IF: wk blow steadily bldg to strong off btm of bucket in 17 min.
FF: wk blow steadily bldg to strong off btm of bucket in 31 min.
REC 190' M (35% W, 65% M)
570' W (100% W)
HP: 2477-2439, SIP: 1624-1624, FP: 122-363/297-416, BHT: 124°
RW: Top: .148 @ 54° - 72,000 ppm chl
Mid: .113 @ 63° - 78,000 ppm chl
Btm: .103 @ 71° - 79,000 ppm chl
Pit: 2,000 ppm chl
Sample Chamber: .1 CF Gas, 1000 ccM, 3000 ccW, 475 psi

DST #4: 5294-5420' - MARMATON
30-60-60-120

IF: wk blow bldg to strong off the btm of the bkt in 8 min k- NGTS.
FF: strong blow off the btm of the bkt in 20 sec - NGTS.
REC: 1170' GIP
210' M w/trace oil
HP: 2529-2503, SIP: 1612-1624, FP: 82-82/122-122, BHT: 122°
Sample Chamber: 8.7 CFG, 1200 ccM w/tr of oil, 1300 psi.

REC. MED
STATE CORPORATION COMMISSION

FEB 17 1995

CONSERVATION DIVISION
WICHITA, KANSAS

CONFIDENTIAL

ORIGINAL

.LOUDERBACK #2-2
.NW SW SE Sec. 2-35S-31W
.900' fSL 2310' fEL
.Seward County, Kansas
.Page 2

DST #5: 5602-5703' - CHEROKEE

30-60-90-180

IF: strong blow - GTS 2 min
1 1/2 " choke - 10 min 1420 MCF
20 min 1274 MCF
30 min 1198 MCF
FF: 10 min 1123 MCF
20 min 1036 MCF
30 min 953 MCF
40 min 908 MCF
50 min 814 MCF
60 min 709 MCF
70 min 654 MCF
80 min 595 MCF
90 min 527 MCF

HP: 2786-2760, SIP: 1511-1297 (214# drop 14%)

FP: 376-283/297-122, BHT: 129°

Sample Chamber 15.2 CFG, 975 psi

DST #6: 5808-5946' - MORROW

30-45-30-45

IF: wk blow 1" died in 25 min.

FF: No blow

REC: 95' M

HP: 2799-2760, SIP: 109-95, FP: 95-95/95-95, BHT: 131°, 4000 cc, 60 psi.

DST #7: 5981-6040' - Chester

30-60-90-180

Tool open @ 8:45 pm 11-15.

IF: Strong blow immediately

GTS in 4 min
10 min - 394 MCF
20 min - 418 MCF
30 min - 418 MCF
FF: 10 min - 418 MCF
20 min - 429 MCF
30 min - 429 MCF
40 min - 429 MCF
50 min - 429 MCF
60 min - 429 MCF
70 min - 429 MCF
80 min - 429 MCF
90 min - 429 MCF

REC: 15' Drilling Mud

HP: 2877-2856, SIP: 1140-1140, FP: 145-112/101-78, BHT: 133°

Sample Chamber - 17.1 CFG, 1000 psi

DST #8: 6183 - 6240' - Chester Sand

30-45-30-45

IF: vy wk blow died in 20 min.

FF: No Blow

REC: 10' DM

HP: 3146-2992, SIP: 429-No Volume, FP: No Volume/163-176, BHT: 134°

Sample Chamber: 4000 cc M, 80 psi

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CONSERVATION DIVISION
WICHITA, KANSAS

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ORIGINAL

.LOUDERBACK #2-2
.NW SW SE Sec. 2-35S-31W
.900' fSL 2310' FEL
.Seward County, Kansas
.Page 3

LOG TOPS:	
B/STONE CORRAL	1518 (+1168)
WELLINGTON	2108 (+ 579)
WOLFCAMP	2640 (+ 47)
WINFIELD	2779 (- 92)
BASE OF WINFIELD	2823 (- 136)
COUNCIL GROVE PORO.	3079 (- 392)
B/HHEEBNER	4438 (-1751)
TORONTO	4461 (-1774)
LANSING	4578 (-1891)
IOLA	4914 (-2227)
SWOPE	5122 (-2435)
MARMATON	5268 (-2581)
CHEROKEE	5441 (-2754)
ATOKA	5740 (-3053)
MORROW	5823 (-3136)
MORROW SAND	5927 (-3240)
CHESTER	5976 (-3289)
CHESTER SAND	6217 (-3530)
ST.GENEVIEVE	6289 (-3602)
ST. LOUIS	6362 (-3675)
TD	6526 (-3838)

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APR 9 1996

FROM CONFIDENTIAL

913-483-2627, Russell, KS
 none 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

7845
 ORIGINAL

new

Date	11-3-94	Sec.	2	Fwp.	35	Range	31	Called Out		On Location	3:00 AM	Job Start		Finish	6:30 AM
Lease	Lauderback	Well No.	2-2	Location	Liberal					13E-345-34E		County	Sevier	State	Kan
Contractor	Beredco Drls #4														
Type Job	Surface														
Hole Size	12 1/4	T.D.	1504'												
Csg.	8 5/8	Depth	1503'												
Tbg. Size		Depth													
Drill Pipe	CONFIDENTIAL														
Tool	CONFIDENTIAL														
Cement Left in Csg.	38.90'	Shoe Joint	38.90'												
Press Max.		Minimum	RELEASED												
Meas Line		Displace	APR 9 1996												
Perf.															

Owner Same
 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 listed.

Charge To: *MurFin Drls Co.*
 Street: *250 N Water, #300*
 City: *Wichita* State: *Kan 67202*
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X *[Signature]*
 200 com CEMENT

FROM CONFIDENTIAL EQUIPMENT

No.	Cementer	<i>Walt</i>
Pumptrk 191	Helper	<i>Wayne</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Terry</i>
Bulktrk 303		
Bulktrk 309	Driver	<i>R. G.</i>

Amount Ordered	<i>150 SKS COM, 3% ACC - 500 SKS Lite, 2% ACC</i>	
Consisting of	<i>1/4 lbs Flo-Seal</i>	
Common	<i>350 SKS @ 2.685</i>	<i>2,397.00</i>
Res-Mix	<i>Lite 500 SKS @ 2.585</i>	<i>2,925.00</i>
Gel.		
Chloride	<i>16 SKS @ 2.25.00</i>	<i>400.00</i>
Quickset	<i>Flo-Seal 125# @ 1.10</i>	<i>137.50</i>

DEPTH of Job		
Reference:	<i>Pumptruck</i>	<i>430.00</i>
	<i>8 5/8 Rubber Plug</i>	<i>83.00</i>
	<i>225 per mile</i>	<i>433.75</i>
	<i>314 P/F # 2 300'</i>	<i>1118.00</i>
	<i>15 mile</i>	<i>469.17</i>
	Sub Total	<i>2433.92</i>
	Tax	<i>99.50</i>
	Total	<i>2533.42</i>

Handling	<i>1.00 per sk</i>	<i>850.00</i>
Mileage	<i>4¢ per sk/mile</i>	<i>1,360.00</i>
	<i>40 mile</i>	
	Sub Total	<i>8,070.00</i>
	Total	

Remarks: *1015.92*
Mixed 500 SKS Lite, Followed w/ 150 SKS com, Displaced Plug to insert cement Dial not circ ran 120' 1" Tubing mixed 200 SKS com, Cased to Surface

Floating Equipment *8 5/8*
 1- Regular Guide Shoe - *224.00*
 1- AFU insert - *258.00*
 1- Baker Loc - *30.00*
 STATE CORPORATION COMMISSION
 Total = *812.00*
 FEB 17 1995
[Signature]

CUSTOMER COPY

INVOICE



HALLIBURTON
CONFIDENTIAL ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
635673	11/19/1994

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
LAUDERBACK 2	SEWARD	KS	MURFIN		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	BEREDCO	CEMENT PRODUCTION CASING	11/19/1994		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
614500	PETE KUNEYL			COMPANY TRUCK	B1027

MURFIN DRLO CO
2914 W. JONES AVENUE
GARDEN CITY, KS 67846

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	34 MI		2.75	93.50
		1 UNT			
001-016	CEMENTING CASING	6524 FT		2,175.00	2,175.00
		1 UNT			
019-241	CASING SWIVEL W/O WALL CLEANER	1 JOB		185.00	185.00
018-317	SUPER FLUSH	10 SK		100.00	1,000.00
5A	FLOAT SHOE-SSII-4-1/2 BRD	1 EA		200.00	200.00
837.00300					
40	CENTRALIZER 4-1/2 X 7-7/8	10 EA		43.00	430.00
806.60004					
593	3-WIPER L-D PLUG - 4 1/2"	1 EA		159.00	159.00
801.0373					
594	4 1/2" LATCH DOWN BAFFLE	1 EA		100.00	100.00
801.03734					
320	CEMENT BASKET-4-1/2 X 7-7/8	2 EA		105.00	210.00
806.70020					
60	CLEANER-ROTO WALL-LOOPED CABLE	25 EA		30.00	750.00
807.00084					
504-043	CEMENT - PREMIUM	175 SK		10.61	1,856.75
504-120	CEMENT - HALL. LIGHT PREM PLUS	130 SK		10.02	1,302.60
507-210	FLOCELE	33 LB		1.65	54.45
507-865	HALAD-9	132 LB		8.65	1,148.20
509-127	CAL SEAL 60	18 SK		25.90	466.20
508-291	GILSONITE BULK	1750 LB		.40	700.00
509-406	ANHYDROUS CALCIUM CHLORIDE	1 SK		36.75	36.75
509-969	SALT	1360 LB		.15	204.00
500-207	BULK SERVICE CHARGE	384 CFT		1.35	521.10
500-306	MILEAGE CMTG MAT DEL OR RETURN	812.37 TMI		.95	771.75

INVOICE SUBTOTAL

12,384.30

RECEIVED
STATE REGISTRATION COMMISSION
Cement Core Systems
F. J. 11/17/1995
20 1994

***** CONTINUED ON NEXT PAGE *****