

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

Operator: License # 31321
Name: Louis Dreyfus Natural Gas Corp.
Address: Suite 600
14000 Quail Springs Parkway
City/State/Zip Oklahoma City, OK 73134

Purchaser: Oneok Field Services
Operator Contact Person: Lenora Sawyer
Phone (405) 748-2725

Contractor: Name Cheyenne Drilling
License: 5382

Wellsite Geologist: NA

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:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. To Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
9/10/01 9/12/01 10/23/01
Spud Date Date Reached TD Completion Date

API NO. 15 - 075-20766
County Hamilton
SE - SE - NW - NE Sec. 25 Twp. 23 Rge. 41 W
1296' Feet from S / N (circle one) Line of Section
1508' 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 HCU Well # 2531-B

Field Name Bradshaw
Producing Formation Chase

Elevation: Ground 3397' KB 3404'
Total Depth 2624' PBTB 2570'

Amount of Surface Pipe Set and Cemented at 309' Feet
Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2620'

feet depth to Surface w/ 550 sx cmt

Drilling Fluid Management Plan Act 11 11/7/01 AB
(Data must be collected from the Reserve Pit)

Chloride content 18000 ppm Fluid volume 800 bbls
Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp S Rng. E / W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 CD-4 form with all plugged wells. Submit CP-111 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.

Lenora Sawyer
Title Regulatory Technician Date 10/23/01
I, Louie C. Renfro, sworn to before me this 23rd day of October
Notary Public
Date Commission Expires 9-01-05



K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/> Wireline Log Received
C	<input type="checkbox"/> Geologist Report Received
Distribution	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug
	<input type="checkbox"/> NGPA
	<input type="checkbox"/> Other (Specify)

OCT 25 2001
10-25-01
KCC WICHITA

Operator Name Louis Dreyfus Natural Gas Corp. Lease Name HCU Well # 2531-B

Sec. 25 Twp. 23S Rge. 41 East West
 County Hamilton

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 Log Formation (Top), Depth and Datum Sample
 (Attach Additional Sheets.) Name Top Datum

Samples Sent to Geological Survey Yes No See attached Driller's Log

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run:
 Gamma Ray / CCL

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#	309'	Class "C"	200	2% cc + 1/4# flocele
Production	7-7/8"	4-1/2"	10.5#	2620'	Class "C"	350	3% D79 + 1/4#D29
					Class "C"	200	2% S1 + 1/4#D29

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 Materials Used)	Depth
3 spf	2470-76'; 2478-86'		Acidize w/1000 gal 50Q 15% acid. Frac w/1000 gal 50Q 2% KCl water spacer + 5000 gal 65Q foam pad + 11000 gal 65Q foam + 16000# 12/20 brown sand + 16000# CR-4000 resin coated sand. Flush w/1660 gal 65Q foam.	2470'- 2486'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	2526'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method			
10/18/01		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production	Oil Bbls	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	NA	4	200	NA	

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If Vented, submit ACO-18.) Other (Specify) _____

15.075.20766-0000

ORIGINAL

DRILLER'S LOG

LOUIS DREFUS NATURAL GAS CORP
HCU 2531-B
SECTION 25-T23S-R41W
HAMILTON COUNTY, KANSAS

COMMENCED: 09-10-01
COMPLETED: 09-12-01

SURFACE CASING: 309' OF 8 5/8" CMTD
W/200 SKS CLASS C + 2% CC + 1/4#/SK
FLOCELE.

FORMATION

DEPTH

FORMATION	DEPTH
SURFACE HOLE	0 - 309
SANDSTONE, ANHYDRITE & CLAY	309 - 340
RED BED	340 - 1400
GLORIETTA	1400 - 1685
RED BED	1685 - 2540
SHALE & LIMESTONE	2540 - 2624 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 17TH DAY OF SEPTEMBER, 2001.

JOLENE K. RUSSELL

NOTARY PUBLIC



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OCT 25 2001

KCC WICHITA

Schlumberger

Cementing Service Report

ORIGINAL

Customer: LOUIS DREYFUS NATURAL GAS CORP Job Number: 2205410312

Well HCU 2531-B		Location (Legal)		Dowell Location Ulysses, KS		Job Start 2001-Sep-12			
Field Bradshaw		Formation Name/Type		Deviation		Bit Size in	Well MD 2,624 ft	Well TVD 2,624 ft	
County Hamilton		State/Province KS		BHP psi	BHST 95 °F	BHOT 85 °F	Pore Press. Gradient psi/ft		
Rig Name	Drilled For Gas	Service Via Land		Casing/Liner					
Offshore Zone	Well Class New	Well Type Development		Depth, ft 2620	Size, in 4.5	Weight, lb/ft 10.5	Grade 		
Drilling Fluid Type	Max. Density 9.1 lb/gal	Plastic Viscosity 9 cp		Tubing/Daill Pipe					
Chemical	Job Type Cem Prod Casing	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread			
Service Line Cementing	Max. Allowed Tubing Pressure 2000 psi	Max. Allowed Ann. Pressure psi	Wellhead Connection Single cement head		Perforations/Open Hole				
Service Instructions Cement 4 1/2 Casing to surface per clients request.	Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft				
	Diameter in	Treat Down Casing	Displacement 41.1 bbl	Packer Type	Packer Depth ft				
	Tubing Vol. bbl	Casing Vol. 41.6 bbl	Annular Vol. 106.5 bbl	Open Hole Vol. bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Note Volume Circulated prior to Cementing <input type="checkbox"/>	Casing Tools			Squeeze Job				
Lift Pressure: 1490 psi	Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Type:	Shoe Depth: 2620 ft	Squeeze Type:				
No. Centralizers: 1	Top Plugs: 1	Bottom Plugs:	Stage Tool Type	Stage Tool Depth: ft	Tool Depth: ft				
Cement Head Type: Single	Job Scheduled For: 2001-Sep-12 14:35	Arrived on Location:	Leave Location: 2001-Sep-12 18:00	Tail Pipe Size: in	Tail Pipe Depth: ft				
	Colbar Depth: 2574.9 ft	Sqr Total Vol: bbl							
Date	Time	CPT773 THO 24 hr clock bpm	Cum Vol ESH bbl	Cum Vol Prodm. bbl	Density ppg	Pressure UT psi			Message
2001-Sep-12	15:58	0	0	0	0	0	0	0	START ACQUISITION
2001-Sep-12	15:58	0.	0.	0.	8.32	-4.58	0	0	
2001-Sep-12	15:58	0.	0.	0.	8.32	-4.58	0	0	Pressure Test Lines
2001-Sep-12	15:59	0.	0.	0.	8.32	-4.58	0	0	Chem wash
2001-Sep-12	15:59	0.	0.553	0.307	8.3	2601	0	0	
2001-Sep-12	16:00	0.	0.	0.	8.3	-9.16	0	0	
2001-Sep-12	16:01	6.16	3.66	3.68	8.32	164.8	0	0	
2001-Sep-12	16:02	6.13	10.	9.86	8.32	155.7	0	0	
2001-Sep-12	16:03	6.31	15.25	16.05	0.992	164.8	0	0	
2001-Sep-12	16:04	6.01	20.58	22.14	8.34	174.	0	0	
2001-Sep-12	16:05	5.88	3.76	3.57	8.4	201.5	0	0	
2001-Sep-12	16:06	5.88	3.76	3.57	8.4	201.5	0	0	Reset Volume
2001-Sep-12	16:06	5.88	3.76	3.57	8.4	201.5	0	0	(Cum Vol Proxm.)=8.664 bbl
2001-Sep-12	16:06	5.88	3.76	3.57	8.4	201.5	0	0	Start Mixing Lead Slurry
2001-Sep-12	16:06	5.78	0.416	0.484	9.41	210.8	0	0	
2001-Sep-12	16:07	5.8	6.67	6.25	11.49	279.3	0	0	
2001-Sep-12	16:08	5.98	12.93	12.15	11.39	256.4	0	0	
2001-Sep-12	16:09	6.95	20.12	18.99	11.32	256.4	0	0	
2001-Sep-12	16:10	6.29	27.5	25.92	11.28	151.1	0	0	
2001-Sep-12	16:11	6.54	34.43	32.46	11.32	164.8	0	0	
2001-Sep-12	16:12	8.57	41.44	39.08	11.16	160.3	0	0	
2001-Sep-12	16:13	6.59	48.54	45.71	11.10	164.8	0	0	

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OCT 25 2001

KCC WICHITA

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
HCU #2531-B		Bradshaw		01265-Sep-12		LOUIS DREYFUS NATURAL GAS CORP		220510012	
Date	Time	CP/TTH THO	CumVol EBM	CumVol Proxim.	Density	Pressure U1			Message
	24 hr clock	SpM	bbf	bbf	SPG	psi			
2001-Sep-12	16:14	6.57	55.57	52.32	11.4	164.8	0	0	
2001-Sep-12	16:15	6.64	62.73	58.92	11.16	160.3	0	0	
2001-Sep-12	16:16	6.57	69.83	65.64	11.27	164.8	0	0	
2001-Sep-12	16:17	6.57	76.91	72.14	11.17	160.3	0	0	
2001-Sep-12	16:18	6.57	84.11	78.74	11.25	160.3	0	0	
2001-Sep-12	16:19	6.57	91.2	85.35	11.23	160.3	0	0	
2001-Sep-12	16:20	5.7	97.76	91.49	11.28	128.2	0	0	
2001-Sep-12	16:21	6.59	104.	97.83	10.29	137.4	0	0	
2001-Sep-12	16:22	5.85	111.7	104.	11.33	161.1	0	0	
2001-Sep-12	16:23	6.36	118.3	110.2	11.35	155.7	0	0	
2001-Sep-12	16:24	6.67	125.3	116.8	11.4	174.	0	0	
2001-Sep-12	16:25	6.7	132.4	123.5	11.36	178.6	0	0	
2001-Sep-12	16:26	6.67	139.5	130.2	11.24	164.8	0	0	
2001-Sep-12	16:27	5.55	145.6	135.9	11.13	128.2	0	0	
2001-Sep-12	16:28	5.57	151.5	141.4	11.12	123.6	0	0	
2001-Sep-12	16:29	5.57	157.5	147.	11.29	109.9	0	0	
2001-Sep-12	16:30	5.55	163.5	152.6	11.36	87.	0	0	
2001-Sep-12	16:31	5.57	169.4	158.2	11.1	128.2	0	0	
2001-Sep-12	16:32	5.57	175.4	163.8	11.05	128.2	0	0	
2001-Sep-12	16:33	5.57	181.4	169.4	11.35	91.58	0	0	
2001-Sep-12	16:34	5.96	187.4	175.	11.29	178.6	0	0	
2001-Sep-12	16:35	6.24	193.8	181.1	11.32	164.8	0	0	
2001-Sep-12	16:36	6.18	200.4	187.3	11.28	174.	0	0	
2001-Sep-12	16:37	6.42	206.9	193.6	11.3	169.4	0	0	
2001-Sep-12	16:37	6.42	206.9	193.6	11.3	169.4	0	0	[CumVol Proxim.]=193.6 bbl
2001-Sep-12	16:37	6.42	206.9	193.6	11.3	169.4	0	0	Reset Volume
2001-Sep-12	16:37	6.42	208.9	193.6	11.3	169.4	0	0	Start Mhing Tail Slurry
2001-Sep-12	16:38	5.39	6.05	5.59	12.04	128.2	0	0	RECEIVED
2001-Sep-12	16:39	4.01	11.75	10.82	13.92	82.42	0	0	
2001-Sep-12	16:40	4.04	16.12	14.88	15.2	91.58	0	0	
2001-Sep-12	16:41	5.16	21.25	19.8	14.8	155.7	0	0	OCT 25 2001
2001-Sep-12	16:42	5.27	26.73	26.02	14.98	169.4	0	0	
2001-Sep-12	16:43	5.8	32.5	30.57	15.05	201.5	0	0	KCC WICHITA
2001-Sep-12	16:44	6.52	39.21	37.01	15.09	261.	0	0	
2001-Sep-12	16:45	6.49	45.93	43.5	14.87	238.1	0	0	
2001-Sep-12	16:46	0.077	53.1	49.92	13.63	123.6	0	0	
2001-Sep-12	16:46	0.077	53.1	49.92	13.63	123.6	0	0	Wash lines to pit
2001-Sep-12	16:47	0.	53.35	49.92	13.45	-4.58	0	0	
2001-Sep-12	16:48	0.	55.12	51.17	9.92	-22.89	0	0	
2001-Sep-12	16:49	0.	55.28	51.17	9.86	60.37	0	0	
2001-Sep-12	16:50	4.55	59.53	54.97	8.99	73.26	0	0	
2001-Sep-12	16:51	4.55	64.32	59.56	8.49	50.37	0	0	
2001-Sep-12	16:52	4.55	64.32	59.56	8.49	50.37	0	0	[CumVol Proxim.]=63.19 bbl
2001-Sep-12	16:52	4.55	64.32	59.56	8.49	50.37	0	0	Reset Volume
2001-Sep-12	16:52	0.	0.	0.	8.39	-45.79	0	0	
2001-Sep-12	16:52	0.	0.	0.	8.39	-45.79	0	0	Drop Top Plug
2001-Sep-12	16:52	0.	0.	0.	8.39	-45.79	0	0	Start Displacement
2001-Sep-12	16:53	0.	0.	0.	8.4	-22.89	0	0	
2001-Sep-12	16:54	4.78	4.58	3.92	8.39	4.58	0	0	
2001-Sep-12	16:54	4.78	4.58	3.92	8.39	4.58	0	0	Returns at Surface
2001-Sep-12	16:55	4.78	4.58	3.92	8.39	4.58	0	0	40 bbls circ. to pit
2001-Sep-12	16:55	4.78	9.79	8.73	8.39	13.74	0	0	
2001-Sep-12	16:56	4.81	14.97	13.54	8.39	-4.58	0	0	
2001-Sep-12	16:57	4.55	19.81	18.19	8.48	50.37	0	0	

ORIGINAL

Well		Field			Service Date		Customer		Job Number
HCU #2531-B		Breadshaw			01255-Sep-12		LOUIS DREYFUS NATURAL GAS CORP		225410512
Date	Time	CPI/TFO	CumVol	CoreVol	Density	Pressure			Message
		24 hr clock	bbbl	bbbl	ppg	psi			
2001-Sep-12	16:58	4.32	24.45	22.66	8.45	187.7	0	0	
2001-Sep-12	16:59	4.08	28.81	26.67	8.47	288.5	0	0	
2001-Sep-12	17:00	3.99	32.95	30.69	8.44	407.5	0	0	
2001-Sep-12	17:01	3.99	32.95	30.69	8.44	407.5	0	0	Lower Pump Rate
2001-Sep-12	17:01	3.14	37.01	34.81	8.44	476.2	0	0	
2001-Sep-12	17:02	2.63	39.84	37.53	8.43	512.6	0	0	
2001-Sep-12	17:03	0.	42.25	39.74	8.37	1113	0	0	
2001-Sep-12	17:03	0.	42.25	39.74	8.37	1113	0	0	Bump Top Plug
2001-Sep-12	17:04	0.	42.25	39.74	8.37	1113	0	0	Bleed Off Pressure
2001-Sep-12	17:04	0.	42.43	39.74	8.39	45.79	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	spacer	N2		
6			7	258		30			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
1231	0	200	1100						
Avg. N2 Percent		Designed Slurry Volume		Displacement		MIX Water Temp		<input checked="" type="checkbox"/> Cement Circulated to Surface? - Volume 40 bbl <input type="checkbox"/> Washed Thru Parts To ft	
		246 bbl		41 bbl		°F			
Customer or Authorized Representative				Dowell Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed		
Toews, Daryl				Fica, Brennon					

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 OCT 25 2001
 KCC WICHITA

ALLIED CEMENTING CO., INC.

09128

Federal Tax I.D.# 48-0727860

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

ORIGINAL
SERVICE POINT

Oakley

DATE <u>9-10-01</u>	SEC <u>25</u>	TWP. <u>23</u>	RANGE <u>41</u>	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START <u>9:00 PM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>HCU</u>	WELL# <u>2531-B</u>	LOCATION <u>Syracuse 3N-14W</u>	COUNTY <u>Hamilton</u>	STATE <u>Kan</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Cheyenne Drls Co #11
 TYPE OF JOB Sur. Face
 HOLE SIZE 12 1/4 T.D. 309'
 CASING SIZE 8 5/8 DEPTH 309'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 41.80
 CEMENT LEFT IN CSG. 41.80'
 PERFS. "
 DISPLACEMENT 17 BBL

EQUIPMENT

PUMP TRUCK # <u>300</u>	CEMENTER <u>Walt</u>
	HELPER <u>Wayne</u>
BULK TRUCK # <u>218</u>	DRIVER <u>Lonnie</u>
BULK TRUCK # _____	DRIVER _____

OWNER Louis Dreyfus Oil & Gas
 CEMENT AMOUNT ORDERED 200 SKS C, 26 CC
1/4" Flo-Seal

COMMON	<u>200 SKS</u>	@	<u>965</u>	<u>1930.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>4 SKS</u>	@	<u>30.00</u>	<u>120.00</u>
	<u>Flo-Seal 50 #</u>	@	<u>140</u>	<u>70.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>204 SKS</u>	@	<u>110</u>	<u>224.40</u>
MILEAGE	<u>44 pm SK/mile</u>			<u>514.08</u>
				TOTAL <u>2,858.48</u>

REMARKS:

Cement Did Cure
Float Hold
Duffin

KCC WICHITA SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>520.00</u>
EXTRA FOOTAGE	@ _____
MILEAGE	<u>63 miles @ 3.00 = 189.00</u>
PLUG	<u>8 5/8 Surface @ 7 = 45.00</u>
	@ _____
	@ _____
TOTAL	<u>754.00</u>

CHARGE TO: Cheyenne Drls Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	<u>8 5/8</u>
1-AFU insert	@ <u>325.00</u>
2-Centralizers	@ <u>55.00</u> <u>110.00</u>
1-Box Three D Loc	@ <u>30.00</u>
	@ _____
	@ _____
TOTAL	<u>465.00</u>

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 [Signature]

Dennis Salysa
 PRINTED NAME