



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK FOR AN OIL WELL OR GAS WELL

NAME OF COMPANY OR OPERATOR: D.E.Exploration, Inc. Douglas G. Evans DATE: 03/07/99

ADDRESS: PO Box 128 CITY: Wellsville STATE: KS ZIP CODE: 66092

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Belton Unit WELL NUMBER: R-1 ELEVATION (GROUND): _____

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE):
4670 FT FROM (N)(S) SECTION LINE 2970 FEET FROM (E)(W) SECTION LINE

WELL LOCATION: SECTION SE 1/4 09 TOWNSHIP 46N RANGE 33W COUNTY Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 660 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE: 440 FEET

PROPOSED DEPTH: 700' DRILLING CONTRACTOR, NAME AND ADDRESS: Hughes Drilling Co. ROTARY OR CABLE TOOLS: Rotary APPROX DATE WORK WILL START: 03/09/99

NUMBER OF ACRES IN LEASE: _____ NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 28
NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME: Western Engineering Dave Stallings NO. OF WELLS: PRODUCING 20
ADDRESS: RT. 1 Belton, Mo INJECTION 7
INACTIVE 15
ABANDONED 0

STATUS OF BOND: SINGLE WELL AMOUNT \$ _____ BLANKET BOND AMOUNT \$ 20,000.00 ON FILE ATTACHED

REMARKS (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM				APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM
650'	4 1/2"	650	115sks	650'	4 1/2"	—	115sks

I, the undersigned, state that I am the President of the D.E.Exploration, Inc. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: Douglas G Evans Pres. DATE: 03-07-99

PERMIT NUMBER: 20671 DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
 CORE ANALYSIS REQUIRED IF RUN DRILL STEM TEST INFO REQUIRED IF RUN
 SAMPLES REQUIRED
 SAMPLES NOT REQUIRED
 WATER SAMPLES REQUIRED AT _____

APPROVAL DATE: 4/8/99
APPROVED BY: Jane Hall, Wisconsin

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I, _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: _____ DATE: _____

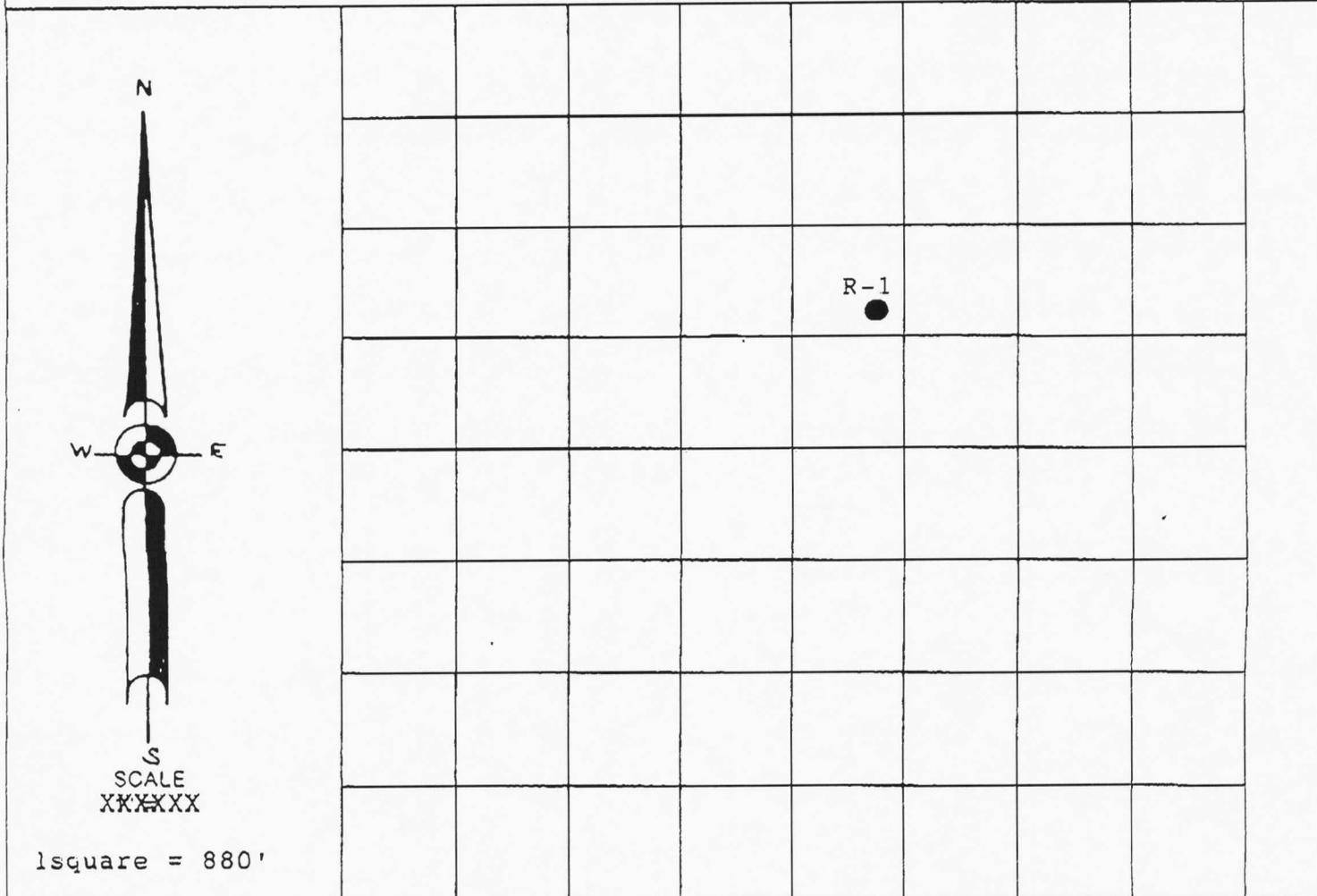


MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

OWNER
D.E.Exploration, Inc.

LEASE NAME Belton Unit COUNTY Cass

4670 FEET FROM S SECTION LINE AND 2970 FEET FROM E SECTION LINE OF SEC. 09 TWP 46 N, RANGE 33W
(N) - (S) (E) - (W)



REMARKS

INSTRUCTIONS
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

(SEAL)

REMIT TWO (2) COPIES TO:
MISSOURI OIL AND GAS COUNCIL
P.O. BOX 250, ROLLA, MO 65401

REGISTERED LAND SURVEYOR

NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

NEW WELL WORKOVER DEEPEN PLUG BACK INJECTION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS DRY

OWNER: D.E.Exploration, Inc. ADDRESS: PO Box 128 618 Main Wellsville, KS

LEASE NAME: Belton Unit WELL NUMBER: R-1

LOCATION: 4670 S. Sec. line 2970 E. Sec. line SEC. TWP. AND RANGE OR BLOCK AND SURVEY: SE 1/4 S. 09, T. 46, R 33W

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 20671

DATE SPUDDED: 04/08/99 DATE TOTAL DEPTH REACHED: 04/13/99 DATE COMPLETED READY TO PRODUCE OR INJECT: 05/24/99 ELEVATION (OF, RKR, RT, OR Gr.) FEET: ELEVATION OF CASING HD. FLANGE FEET:

TOTAL DEPTH: 635 PLUG BACK TOTAL DEPTH: N/A

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: Producing ROTARY TOOLS USED (INTERVAL): top to bottom DRILLING FLUID USED: fresh water CABLE TOOLS USED (INTERVAL): N/A

WAS THIS WELL DIRECTIONALLY DRILLED?: No WAS DIRECTIONAL SURVEY MADE?: No WAS COPY OF DIRECTIONAL SURVEY FILED?: No DATE FILED: No

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): Gamma Ray DATE FILED: 05/03/99

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)						
PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
surface	12 3/4	8 5/8"		40ft.	10 sacks	
prod.	6 1/4	4 1/2"		623.65		

TUBING RECORD

LINER RECORD

SIZE: 4 1/2 IN.	DEPTH SET: 623.65 FEET	PACKER SET AT: None FEET	SIZE: NA INCH	TOP: NA FEET	BOTTOM: NA FEET	SACKS CEMENT: NA	SCREEN: NA FEET
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 1/8 Jet X	518-538	20/40 Frac Sand	

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: June 1, 1999 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): pumping- 1 1/2" standard pump

DATE OF TEST: NA HOURS TESTED: NA CHOKE SIZE: Na OIL PRODUCED DURING TEST: NA bbls. GAS PRODUCED DURING TEST: NA MCF WATER PRODUCED DURING TEST: NA bbls. OIL GRAVITY: NA API (CORR.)

TUBING PRESSURE: 50# CASING PRESSURE: 100# CALTED RATE OF PRODUCTION PER 24 HOURS: 6 OIL: 3 bbls. GAS: MCF WATER: 3 bbls. GAS OIL RATIO: NA

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD): Held in with back pressure valve.

METHOD OF DISPOSAL OF MUD PIT CONTENTS: Air dried-backhoe filled

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE President OF THE D.E.Exploration, Inc. COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE: 7-29-99 SIGNATURE: Douglas Otter Pres.

CONTRACTOR

4/8/99-4/13/99

OPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

D. E. Exploration, Inc.
P. O. Box 128
Wellsville, Kansas 66092

LOG
Belton Unit
R-1

Cass County, Missouri

API #

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MO Oil & Gas Council

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	19	Shale	381
4	Clay	6	3	Lt. Brown Sand	384
22	Lime	28		(Oil show)	
21	Shale	49	15	Shale	399
15	Lime	64	2	Lime	401
5	Shale	69	3	Shale	404
9	Red Bed	78	2	Lime	406
4	Shale	82	11	Shale	417
5	Lime	87		(Slate 411-412)	
18	Shale	105		(Brk. w/lime 406-410)	
	(Brk. 100-102)		7	Lime (Broken)	424
19	Gray Sand	124	3	Shale	427
	(Hard 119-122)		4	Gray Sand	431
4	Shale	128	12	Shale	443
2	Lime	130	5	Lime	448
17	Shale	147	21	Shale	469
30	Lime 30'	177		(Slate 452-453)	
	(Oil trace 150-154)		2	Gray Sand	471
9	Shale	186	30	Sdy. Shale	501
	(Slate 183-184)			(Some Sand 489-492	
18	Lime 20'	204		oil trace)	
5	Shale	209	1	Very lamin. Sand)	502
	(Slate 207-208)		1	Sdy. Lime	503
2	Lime	211	1	Slightly lamin.	
3	Shale	214		Sand	504
6	Lime "HERTHA"	220	1	Sdy. Lime	505
39	Shale	259	1.5	Solid Sand	506.5
	(Brk. 224-228)		.5	Shale	507
1	Lime	260	.5	Slightly lamin.	
2	Gray Sand	262		Sand	507.5
	("KNOBTOWN")		2	Sdy. Shale	509.5
62	Shale	324	1	Solid Sand	510.5
5	Gray Sand	329	1	Sdy. Lime	511.5
29	Shale	358	4	Solid Sand	515.5
4	Gray Sand	362	2.5	Sdy. Lime	518
	(Lamin. w/Lime)		2	Solid Sand	520

CONTRACTOR

HUGHES DRILLING COMPANY
 122 NORTH MAIN
 WELLSVILLE, KANSAS 66092

OPERATOR

LOG
 Belton Unit
 # R-1
 cont.

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Sdy. Lime	521	1	Sand & Shells	591.5
4	Solid Sand	525	1.5	Solid Sand	593
1	Sdy. Lime	526	.5	Lime	593.5
1	Lamin. Sand	527	2.5	Very lamin. Sand	596
1.5	Sdy. Shale	528.5	20	Shale (Slate 610-611)	616
1.5	Sdy. Lime	530	1	Lime	617
3	Solid Sand	533	18	SHale (Slate 621-622)	635T.D.
1	Sdy. Lime	534			
1	Sdy. Shale	535			
1.5	Slightly lamin. Sand	536.5			
1.5	Sdy. Lime	538			
1	Solid Sand	539	4/8/99-4/13/99		
2	Lime & Shells	541	Drilled 635 ft. of 6½" hole.		
1	Sand Lamin, w/ Sdy. Lime.	542			
1	Lime & Shells	543	4/8/99		
1.5	Solid Sand	544.5	Set 40 ft. of 8 5/8" surface pie. Cemented in with 10 sacks cement.		
3	Sdy. Lime & Shells	547.5			
1	Sand & Shells	548.5	4/12/99		
3.5	Lime & Shells (Sdy. 550.5-551)	552	Cored "SQUIRREL ZONE" (5 cores)		
1	Solid Sand	553			
2.5	Lime & Shells	555.5	4/13/99		
4	Sand & Shells	559.5	Set 623.65 ft. of 4½" pipe. Used 3 centralizers. Float shoe on bottom.		
4	Lime & Shells	563.5			
1.5	Solid Sand	565			
1.5	Lime & SHells	566.5			
2	Sand & Shells	568.5			
2.3	Lime & Shells	570.8			
11.7	Solid Sand	582.5			
1	Slightly laminated	583.5			
4	Shale & Shells	587.5			
3	Solid Sand	590.5			

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APR 13 1999

Oil & Gas Council



**CONSOLIDATED
INDUSTRIAL
SERVICES**
AN INFINITY COMPANY

211 W. 14th, P.O. Box 884 Chanute, KS 66720 • 316/431-9210 • 1-800/467-8676

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MO Oil & Gas Council

INVOICE DATE	INVOICE NO.
05/25/99	00163860

S 2355
O D.E. EXPLORATION
L P.O. BOX 128
D WELLSVILLE KS 66092
T
O

PLEASE REFER TO THIS ACCOUNT NUMBER WHEN MAKING INQUIRIES

ACCOUNT NO.	P.O. NO.	LOCATION	LEASE AND WELL NO.	DATE OF JOB	JOB TICKET NO.	EXTENDED PRICE	
2355	0157	10	CLARK-FERRY # R-1	05/24/1999	13144		
ITEM NUMBER	DESCRIPTION			UNITS	UNIT PRICE	UNIT MEAS	EXTENDED PRICE
2101	20/40 FRAC SAND			5.0000	7.7500	SK	38.75
5501	WATER TRANSPORT (OTTAWA)			3.5000	60.0000	HR	210.00
2102	12/20 MESH			75.0000	10.5000	SK	787.50
5109	BULK SAND DELIVERY			1.0000	150.0000	EA	150.00
ROSS INVOICE		TAX	ORIGINAL INVOICE				PLEASE PAY
8235.85		28.51					8264.36

TERMS: Net 30 Days

A Finance Charge computed at 1% per month (annual percentage rate of 12%) will be added to balances over 30 days.

Thank You!

CONSOLIDATED INDUSTRIAL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 316-431-9210 OR 800-467-8676

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TICKET NUMBER

TREATMENT REPORT

LOCATION *W. of Belton*
D158-3/4 E - S. side
 FOREMAN *Jerry Lester*

DATE <i>5-24-99</i>	CUSTOMER ACCT #	WELL NAME <i>Clark-Berry #21</i>	QTR/QTR	SECTION	TWP	RGE	COUNTY <i>Cass</i>	FORMATION <i>sgu</i>
CHARGE TO <i>D.E. Explor. Co/Doug Evans</i>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE		ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE	
TOTAL DEPTH	
CASING SIZE	<i>4 1/2</i>
CASING DEPTH	<i>B.P. 542'</i>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	<i>518-38</i>
SHOTS/FT	<i>415h</i>
OPEN HOLE	
TREATMENT VIA	<i>Casing</i>

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input checked="" type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input checked="" type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB *Spot 50 gal. 15% HCL through tubing - pull tubing - Break down and stage acid - pump 10-20 Bbl. pad - 1,000# sand - Balls - 1,000# sand - Balls - 1,000# sand - flush to perfs plus 10 Bbl. over flush*

JOB SUMMARY

DESCRIPTION OF JOB EVENTS *Spotted 50 gal. 15% HCL through tubing - pulled tubing - Broke down and staged acid - pumped 20 Bbl. pad - 1,000# 12/20-15 balls (floaters) 1,000# 12/20-15 balls (floaters) 1,000# sand - flushed to perfs plus 10 Bbl. over*

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	<i>900</i> psi
FINAL DISPLACEMENT	<i>1100</i> psi
ANNULUS	psi
MAXIMUM	<i>2100</i> psi
MINIMUM	<i>900</i> psi
AVERAGE	psi
ISIP	<i>100</i> psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	<i>20</i>
FINAL BPM	<i>20</i>
MINIMUM BPM	<i>18</i>
MAXIMUM BPM	<i>20</i>
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.