

ORIGINAL

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

Operator: License # 04779

Name: NORTH AMERICAN RESOURCES CO.

Address 16 E. GRANITE

City/State/Zip BUTTE, MT. 59701

Purchaser: _____

Operator Contact Person: JIM ELSE

Phone (406) 782-4233

Contractor: Name: MURFIN DRILLING CO., INC.

License: 30606

Wellsite Geologist: WESLEY HANSEN

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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

03-15-93 03-23-93 4-23-93

Spud Date Date Reached TD Completion Date

API NO. 15- 055-21183

County FINNEY

NW - NW - SW Sec. 18 Twp. 21S Rge. 34 E/W

2239 Feet from S (circle one) Line of Section

401 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name KESTER Well # 18-1

Field Name CHRISTABELLE

Producing Formation MORROW SD 4816'-32' KB

Elevation: Ground 3053' KB 3058'

Total Depth 4970' PBTB 4903'

Amount of Surface Pipe Set and Cemented at 486 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2113' DV TOOL Feet

If Alternate II completion, cement circulated from 2113'

feet depth to 1209' w/ .730 sx cmt.

Drilling Fluid Management Plan 8-30-93
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

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, 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 James K Else

Title SUPERVISOR OF ENGINEERING Date 08-10-93

Subscribed and sworn to before me this 13th day of August 19 93.

Notary Public James A O'Neil

Date Commission Expires May 24, 1994

RECEIVED
STATE CORPORATION COMMISSION
OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received 8-26-1993
CONSERVATION DIVISION
KCC Wichita, Kansas/Rep NGPA
KGS Plug Other
(Specify)

SIDE TWO

Operator Name NORTH AMERICAN RESOURCES CO. Lease Name KESTER Well # 18-1
 Sec. 18 Twp. 21S Rge. 34 East County FINNEY
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	BASE/ANHYDRITE	2162	+895
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	3885	-828
List All E.Logs Run:		LANSING	3931	-874
.ZDL	COMPENSATED Z-DEN	CHEROKEE	4577	-1520
BHC ACOUSTILOG	DIFL	ATOKA	4700	-1643
CBL	PROLOG	MORROW SH	4780	-1723
STRATADIP	DIPLOG	MORROW SD	4816	-1759
		REWORKED MISS.	4834	-1777
		STE. GENEVIEVE	4847	-1790
		STE. LOUIS	4896	-1839

CASING RECORD <input type="checkbox"/> New <input checked="" 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#	468'	60/40	275	2%Ge1 3%CC
PRODUCTION	7-7/8"	5-1/2"	14#	4945'	Premium Lite	140	65/35 POZ
					Premium	220	
						80	RFC 10-0

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Depth	Depth
4	1640'-41'	CEMENT SQUEEZE 290 SX PREMIUM	19'
4	1420'-21'	CEMENT SQUEEZE 440 SX PREMIUM	216'
8	4816'-32'	PERFORATE	16'

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>4852'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
5-3-93				
Estimated Production Per 24 Hours	Oil <u>120</u> Bbls.	Gas <u>10</u> Mcf	Water <u>10</u> 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 _____

DST REPORT

GENERAL INFORMATION

DATE : 3-22-93	TICKET : 18986
CUSTOMER : NORTH AMERICAN RESOURCES.	LEASE : KESTER
WELL : #18-1 TEST: 1	GEOLOGIST: W. HANSEN
ELEVATION: 3058 K.B.	FORMATION: MORROW SAND
SECTION : 18	TOWNSHIP : 21S
RANGE : 34W COUNTY: FINNEY	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4762.00 ft	TO: 4837.00 ft	TVD: 4837.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: OIL	
DEPTH OF RECORDERS: 4769.0 ft	4772.0 ft	
TEMPERATURE: 114.0		
DRILL COLLAR LENGTH: 469.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4261.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 75.0 ft	ANCHOR SIZE:	6.000 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5 XH
PACKER DEPTH: 4757.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4762.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN #20	VISCOSITY : 53.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 9.500 cc
WEIGHT : 9.300 ppg	
CHLORIDES : 6000 ppm	SERIAL NUMBER: 408
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

FAIR TO A STRONG BLOW OFF BOTTOM OF BUCKET IN 4 MINUTES ON INITIAL AND FINAL FLOW PERIODS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	940' GAS ABOVE FLUID.
850.0	100.0	0.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	30 DEGREES GRAVITY AT
0.0	0.0	0.0	0.0	0.0	60 DEGREES F.
240.0	48.0	14.0	0.0	38.0	GASSY MUD CUT OIL
140.0	55.0	5.0	0.0	40.0	MUD CUT OIL & EMULSION
0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	

RATE INFORMATION

OIL VOLUME:	12.0569 STB	TOTAL FLOW TIME:	65.0000 min.
GAS VOLUME:	1.1210 SCF	AVERAGE OIL RATE:	283.1418 STB/D
MUD VOLUME:	0.7239 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	12.7807 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2307.00

Description	Duration	p1	p End
INITIAL FLOW	5.00	68.00	227.00
INITIAL SHUT-IN	60.00		688.00
FINAL FLOW	60.00	280.00	514.00
FINAL SHUT-IN	120.00		688.00

FINAL HYDROSTATIC PRESSURE: 2264.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2300.00

Description	Duration	p1	p End
INITIAL FLOW	5.00	68.00	221.00
INITIAL SHUT-IN	60.00		684.00
FINAL FLOW	60.00	278.00	518.00

01/11/11

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION (CONTINUED)

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
FINAL SHUT-IN	120.00		682.00
FINAL HYDROSTATIC PRESSURE:	2266.00		

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DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

OILFIELD SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO.
 NO. SAID INVOICE NO.
 03-12-1993
 RECEIVED
 STATE CORPORATION COMMISSION

DSI SERVICE LOCATION NAME AND NUMBER
 Ulysses, TX 03-12

CUSTOMER NUMBER: [] CUSTOMER P.O. NUMBER: [] TYPE SERVICE CODE: 285 BUSINESS CODES: []

CUSTOMER'S NAME: North American Resources

WORKOVER NEW WELL OTHER: [] W [] N [] API OR IC NUMBER: []

CITY, STATE AND ZIP CODE

ARRIVE LOCATION: 3 24 93 0700
 MO. DAY YR. TIME

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order. This service order is subject to alternative dispute resolution.

Furnish equipment + materials to cement 5 1/2 casing
 2-stage as per customer

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and/or attached to this form and represent that I have authority to accept and sign this order.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: Roger Pearson

JOB COMPLETION: 3 24 93 1836
 MO. DAY YR. TIME

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: Roger Pearson

STATE: TX CODE: [] COUNTY/PARISH: FINNEY CODE: [] CITY: []

WELL NAME AND NUMBER / JOB SITE: Kester #18-1 LOCATION AND POOL / PLANT ADDRESS: Sec. 18-215-344 SHIPPED VIA: DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048601-000	cm. heads manifold	EA	1	63.00	63.00
059200-002	mileage	MI.	65	2.65	172.25
059697-000	PUMP chg	EA	1	140.00	140.00
102871-050	PUMP chg	EA	1	1470.00	1470.00
048016-000	2nd stage pump	EA	1	1075.00	1075.00
049102-000	hauling 46924+65	Ton/mi.	1525	.88	1342.00
049100-000	service chg	UFFT.	556	1.20	667.20
000433-001	D807 self stress add.	lb.	2176	.36	783.36
040003-000	D903 class C	SK	143	7.98	1141.14
040015-000	D909 class H	SK	140	7.47	1045.80
045008-000	D35 litapor	SK	77	3.94	303.38
045014-050	D20 gal	lb.	1148	.15	172.20
102146-XX-	RFC	SK	80	12.12	969.60
045019-050	D42 Kolito	lb.	2200	.49	1078.00
067005-100	CAI2	lb.	646	.36	232.56
047002-050	146 ANTI FOAM AGENT	lb.	26	3.06	79.56
044003-025	D29 collophane Flakes	lb.	90	1.59	143.10
044002-050	D60 Fluid loss Additive	lb.	66	7.73	510.18
100283-000	D827 cu 100	bb.	12	34.25	411.00
050101-054	cm. guide shoe	EA	1	145.00	145.00
051004-054	Float collar	EA	1	320.00	320.00
054001-054	2-stage tool	EA	1	3335.00	3335.00
056711-054	7 TURBO LIZOR centralizers	EA	7	65.00	455.00
056008-054	cement basket	EA	1	165.00	165.00
056014-054	stop RING	EA	1	18.00	18.00
056213-054	cable scratchers	EA	19	32.00	208.00
057499-001	Thread lock kit	EA	2	25.00	50.00

SUB TOTAL

Field est. #16432.33 #10845.34

LICENSE/REIMBURSEMENT FEE

REMARKS: Thanks For using DS

STATE: [] % TAX ON \$ []
 COUNTY: [] % TAX ON \$ []
 CITY: [] % TAX ON \$ []
 SIGNATURE OF DSI REPRESENTATIVE: [] TOTAL \$ []



SERVICE ORDER

DS-936-A
 SON TAKING CALL: DG Francisco DATE/TIME: 3-23-93 DS LOCATION: U142 CS 03-12 TREATMENT NUMBER: 5121
 CUSTOMER: North American Resources ORDERED BY: Jim Elise TELEPHONE mobile: 913-658-7626
 TYPE JOB: ASTC LS JOB DATE: 3-23-93 TIME: ON LOC PUMP CUSTOMER REP ON LOCATION: Jim Elise TELEPHONE: 406-490-1112 MOBILE: 275-747
 WELL NAME & NUMBER: Turner 18-1 REWORK: NEW LOCATION: Sec 18-21S-34W POOL/FIELD: COUNTY/PARISH: Finney Co
 CONTRACTOR ON SITE: Murfin #20 DS SALES REPRESENTATIVE: DG Francisco CUSTOMER ORDER NUMBER: STATE: KANSAS

TUBING/DP: SIZE: DEPTH MD / TVD: WT: THREAD: TREATMENT VIA: TUBING/DP: ANN: TYPE: PACKER/RETAINER DEPTH:
 CASING: 5 1/2 5000' 14 8RD SERVICE INSTRUCTIONS:
 LINER: 12 BBI CW 100 (6 gal D-122A)
 OPEN HOLE: 7 7/8 BHST: BHCT: 3 gal ± 237A

PERFORATED INTERVALS								FORMATION:	
TOP	TO	BOTTOM	NO. OF HOLES	TOP	TO	BOTTOM	NO. OF HOLES	REQUIRED RATE/PRESS.	HYDRAULIC HORSEPOWER ORDERED:
	TO				TO			1-5 1/2 Cement Nose Guide Shoe	
	TO				TO			1-5 1/2 Flapper Float Collar	
	TO				TO			1-5 1/2 Stage Collar (DV Tool)	
	TO				TO			1-5 1/2 cement Basket	
	TO				TO			10-5 1/2 Turbolizer Centralizers	
DIAMETER OF PERFORATIONS =								MAX PSI ALLOWABLE:	
WELLHEAD CONN: <u>5 1/2 Head manifold & wedge</u>								2- Thread Lock Kit	
SPECIAL INSTRUCTIONS/EQUIPMENT:								1- 5 1/2 Stop Ring	
								12- Cable Scratchers	

SYSTEM DESCRIPTION:
 1st Stage System 1 140 SKS selfstress I + 2% SI + 0.5% D-60 + 5 #/SK D-42 + 1/4 #/SK D-29 + 0.2% D-46
 System 2 14.7 PPG 1.54 cft/sk 7.38 gal/sk
 2nd Stage Lead System 3 225 SKS 65/35 c/po2 + 6% D-20 + 2% SI + 5 #/SK D-42 + 1/4 #/SK D-29
12.2 PPG 2.10 cft/sk 11.50 gal/sk
 2nd Stage Tail System 4 75 SKS RFC 10-0 + 5 #/SK D-42
 Additional Materials: 14.5 PPG 1.16 cft/sk 7.2 gal/sk

Directions: Nalcomb Jct of Hwy 50 & Big Lower Rd - 15 mi North - 1/4 mi West - 1/2 mi North - E INTO
Big Low Rd - 9N - 1E - 4N - 6W - 3N - 1W - S into

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 3-12-5121
 DATE: 3-24-93
 AGE: 11st
 DISTRICT: Ulysses, KS.

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **Kester #18-1**
 LOCATION (LEGAL) **Sec. 18-21s-34w**
 FIELD-POOL **Christabelle**
 COUNTY/PARISH **FINNEY**
 STATE **Mississippi**
 API NO. **Ks.**

RIG NAME **MURFIN DRILLING #20**

WELL DATA		BOTTOM	TOP
BIT SIZE 1 7/8	CSG/Liner Size 5 1/2		
TOTAL DEPTH 4907	WEIGHT 714		
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 4949		
MUD TYPE	GRADE JSS		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 8ed		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 45		
MUD VISC.	Disp. Capacity 119.6		

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

NAME **North American Resources**
 AND _____
 ADDRESS _____
 ZIP CODE _____

SPECIAL INSTRUCTIONS
1st stage

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	Flapper Float collar	4904		Weatherford	2114
SHOE	TYPE	DEPTH		TYPE	DEPTH
	mt. nose	4949			

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE **2918** PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT _____ PSI BUMP PLUG TO **1590** PSI
 ROTATE _____ RPM RECIPROCATE **18** FT No. of Centralizers **7**

Head & Plugs TBG D.P. SQUEEZE JOB

Double Single Swage Knockoff

TOOL TYPE DEPTH

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME **0700** DATE **3-24-93** ARRIVE ON LOCATION TIME **0700** DATE **3-24-93** LEFT LOCATION TIME **1930** DATE **3-24-93**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
12								PRE-JOB SAFETY MEETING
1215		20	12		7	16.100		start CW100
1218		370	38		7	mt. 14.7		start cement
1221		240	26		7	mt. 14.7		psi check
1225		10						shutdown wash pump lines drop ^{1st} plug
1228		10	70		6.8	H2O		start displacement
1232		140	24		6.8	H2O		psi check
1239		150	50		6.8	mud		start mud
1242		250	20		6.8	mud		psi check
1243		420	30		6.8	mud		psi check
1245		510	40		2	mud		lower rate
1250		580	49		2	mud		psi check
1250		1590	50		2	mud		bump 1st stage plug
1251			120					drop psi of check float & holding
1255								drop opening bomb
1310						mud		start pump to open D.V. tool
1310		760			2	mud		D.V. TOOL OPEN

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1	140	1.54	self storage I	+ 2% orailz + .5% D-60 + 5% RD-42	38.3	14.7
2				+ 4 1/2% RD-29 + .2% D-46		
3						
4						
5						
6						

BREAKDOWN FLUID TYPE

HESITATION SQ RUNNING SQ CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **119.6** Bbls

Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE TYPE OF WELL OIL GAS STORAGE INJECTION BRINE WATER WILDCAT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **ROGER PEARSON** DS SUPERVISOR **JAMES ESQUIVEL**

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

DS-496 PRINTED IN U.S.A.

TREATMENT NUMBER 33-12-5121 DATE 3-24-93
STAGE DS DISTRICT 2nd Ulysses, KS

WELL NAME AND NO. **Kester #18-1**
FIELD NO. **Christabelle**
COUNTY/PARISH **Finney**
LOCATION (LEGAL) **Sec 18-25-34W**
FORMATION **Mississippi**
STATE **Ks**
API NO.

RIG NAME **MURFIN Drilling #20**
WELL DATA BIT SIZE **7 7/8** CSG/Liner Size **5 1/2**
TOTAL DEPTH **4947** WEIGHT **14**
ROT CABLE FOOTAGE **4947**
MUD TYPE GRADE
BHST BHCT THREAD **2nd**
MUD DENSITY LESS FOOTAGE (SHOE JOINTS)
MUD VISC Disp Capacity

NAME **North American Resources**
AND
ADDRESS
ZIP CODE

NOTE: Include Footage From Ground Level To Head In Disp Capacity
Floor TYPE DEPTH **4904** TYPE DEPTH **Weathered 2114**
SHOE TYPE DEPTH **4949** TYPE DEPTH

SPECIAL INSTRUCTIONS
2nd stage

Head & Plugs TBG DP SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Sledge GRADE TAIL PIPE SIZE DEPTH
 Knot-off THREAD TUBING VOLUME Bbls
TOP OR OW NEW USED CASING VOL BELOW TOOL Bbls
BOT OR OW DEPTH TOTAL Bbls
ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE **1246** PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
PRESSURE LIMIT PSI BUMP PLUG TO **2120** PSI
ROTATE RPM RECIPROCATE FT No of Centralizers

JOB SCHEDULED FOR TIME **0700** DATE **03-24-93** ARRIVE ON LOCATION TIME **0700** DATE **03-24-93** LEFT LOCATION TIME **1930** DATE **03-24-93**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR DP	CASING	INCREMENT	CUM				
0001 to 2400								PRE-JOB SAFETY MEETING
1801	0	12			5.8	H2O		start H2O ahead
1803	190	82			5.8	cmf	12.2	start lead cmf.
1810	160	41			5.8	cmf	12.2	kick check
1817	170	16.5			5.8	cmf	14.5	start RAIL cmf.
1818	200	8			5.8	cmf	14.5	psi check
1821	0							shutdown deep closing plug
1824	0	515			5.9	H2O		start displacement
1829	140	30			5.9	H2O		psi check
1830	230	35			5.8	H2O		" "
1832	390	44			3	H2O		" "
1833	270	48			3	H2O		" "
1835	2120	52			3	H2O		deep closing plug
1836								bleed psi at plug holding
1837								end job

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1	220	2.10	6.5c	5.5% spm + 6% gel + 2% carls + 5% ct D-42 + 1/4" D-28	82.2	12.2
2						
3	80	116		RFC 10-0 + 5% ct D-42	16.5	14.5
4						
5						
6						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX MIN
 HESITATION SO RUNNING SO CIRCULATION LOST YES NO Cement Circulated To Surf YES NO Bbls
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL **51.5** Bbls TYPE OF WELL OIL STORAGE BRINE WATER
 Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT
 PERFORATIONS TO TO TO TO CUSTOMER REPRESENTATIVE **[Signature]** DS SUPERVISOR **Trmas Esquivel**

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1-18 LEASE KESTEEN TICKET NO. 207771

CUSTOMER NAMCO PAGE NO. _____

FORM 2013 R-2

JOB TYPE RECEMBER DATE 4-15-93

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								3581 P.C.P. 18, 21, 24
								FINNEY KS BEG ON LOC. ON LOC GET MOORE CMT
	15:00							ON LOC WAIT ON H2O SAFETY MEET
		3	12					700 TAKE IND. KIT. NO CIX
	17:00		1/2					500 PUMP DOWN BETWEEN 8 5/8 - 5 1/2
								WAIT ON ORDERS 4-16-93
	08:00							BEG ON LOC.
	08:00							ON LOC.
	10:00		0				150	PUMP DOWN BETWEEN 8 5/8 - 5 1/2 HEAL LEAK WAIT ON BIG CBM FIX HEAL. PUMP LEAK WAIT ON WELLER
	15:00						300	PUMP FIX LEAK
	15:15						750	PUMP LEAK
	15:30						950	PUMP. HELL



HALLIBURTON SERVICES

Division, Oklahoma 73103

A Division of Halliburton Company

TICKET

NO. 307771-2

PAGE 1 OF _____ PAGES

FORM 1906 R-11

WELL NO.-FARM OR LEASE NAME 1-18 KESTER		COUNTY FINNEY	STATE KS	CITY / OFFSHORE LOCATION	DATE 4-15-91
CHARGE TO MARCO		OWNER	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR POST-MATHS ON	LOCATION 1 MARCO	CODE 25615	
CITY, STATE, ZIP		SHIPPED VIA TRUCK	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	CODE
WELL TYPE 01	WELL CATEGORY 02	WELL PERMIT NO.	DELIVERED TO LOC	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 050		ORDER NO. B-127595	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials or their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117				MILEAGE	60				275	165	00
009-134	009-019			PUMP CHANGE	1400	ft				990	00
000-119				CREW MILEAGE	100				1.45	145	00
009-134	009-134			PUMP CHANGE	1400	ft				990	00
009-027				ADD hr.	4	hr.			195	780	00
030-018				54 TO P PLUC	1	EA	5	EA		65	00

AGREE UNDECIDED DISAGREE

1 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWNS

2 WE UNDERSTOOD AND MET YOUR NEEDS

3 OUR SERVICE WAS PERFORMED WITHOUT DELAYS

4 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY

5 ARE YOU SATISFIED WITH OUR SERVICE? YES NO

WAS CUSTOMER DID NOT WISH TO RESPOND

TICKET NO. **B-127595**

VERIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN LIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES SHED UNDER THIS CONTRACT.

C. ...
HALLIBURTON OPERATOR

TOTAL **7504 79**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



JOB SUMMARY

HALLIBURTON DIVISION EASTERN

HALLIBURTON LOCATION LANAN CO

BILLED ON TICKET NO. 307771

CUSTOMER NARCLO
LEASE EASTERN
WELL NO. 1-16
JOB TYPE RE-CEMENT
DATE 1-1-15

WELL DATA

FIELD _____ SEC 1F TWP 21 RNG. 43 COUNTY _____ STATE KS.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>14</u>	<u>5 1/2</u>	<u>150</u>	<u>1420</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS					<u>1420</u>	
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-15-93</u>	DATE <u>4-15-93</u>	DATE <u>4-15-93</u>	DATE <u>4-16-93</u>
TIME <u>5:00</u>	TIME <u>15:00</u>	TIME <u>15:00</u>	TIME _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. KRUEGER (69429)</u>	<u>3581</u>	<u>LANAN CO</u>
<u>G. KINISTON (FL880)</u>	<u>4027</u>	
<u>G. KINISTON</u>	<u>4453</u>	
<u>C. ASLEY (44061)</u>	<u>37459</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. %

ACID TYPE _____ GAL. %

ACID TYPE _____ GAL. %

SURFACTANT TYPE _____ GAL. IN

NE AGENT TYPE _____ GAL. IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. IN

GELLING AGENT TYPE _____ GAL.-LB. IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. IN

BREAKER TYPE _____ GAL.-LB. IN

BLOCKING AGENT TYPE _____ GAL.-LB.

PERFPAC BALLS TYPE _____ QTY.

OTHER _____

OTHER _____

DEPARTMENT Cent.

DESCRIPTION OF JOB RE-CEMENT

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Roger Pearson

HALLIBURTON OPERATOR C. Asley COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>1/2 C</u>	<u>P+</u>		<u>2 2/3 C.C.</u>	<u>1.84</u>	<u>12.2</u>
<u>2</u>	<u>80</u>	<u>P+</u>			<u>2 2/3 C.C.</u>	<u>1.33</u>	<u>17.6</u>

SUMMARY

PRESSURES IN PSI _____ VOLUMES _____

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 29

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND
TICKET NO. 307771

DATE 4-15-93	CUSTOMER ORDER NO.	WELL NO. AND FARM 1-18 Kester	COUNTY Finney	STATE KS.
CHARGE TO Narco		OWNER Same	CONTRACTOR No. B 127595	
MAILING ADDRESS		DELIVERED FROM IMMEX Hugoton, KS.	LOCATION CODE 25615	PREPARED BY MCINTRE
CITY & STATE		DELIVERED TO LOC.	TRUCK NO. 4037-4037	RECEIVED BY ASHLEY

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-120		1	B	Halliburton Light Cement	50	sk			8.05	402.50
504-050				Premium Plus Cement	80	sk			8.95	716.00
509-406				Calcium Chloride 2% w/210 HLC 3% w/80 P plus	11	sk			28.25	310.75
504-120				Halliburton Light Cement						

500-306	Returned Mileage Charge	28852	60	865.56	185	735.73
500-225	SERVICE CHARGE ON MATERIALS RETURNED			310	10%	255.00
500-207	SERVICE CHARGE			462	1.25	577.50
500-306	Mileage Charge	27522	40262	60	1614.44	1372.01
				CARRY FORWARD TO INVOICE	SUB-TOTAL	2359.71
No. B 127595						-3635.01

911



**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO
INVOICE & TICKET NO. 207771

DISTRICT LIBERAL KS

DATE 4-15-93

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: NARCO (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1-18 LEASE KESTER SEC. 18 TWP. 21S RANGE 34⁴

FIELD _____ COUNTY _____ STATE KS OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>14</u>	<u>5 1/2</u>	<u>150</u>	<u>1420</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>1420</u>		
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT 360 SK H.L.C 270 CC FO SK P.T.

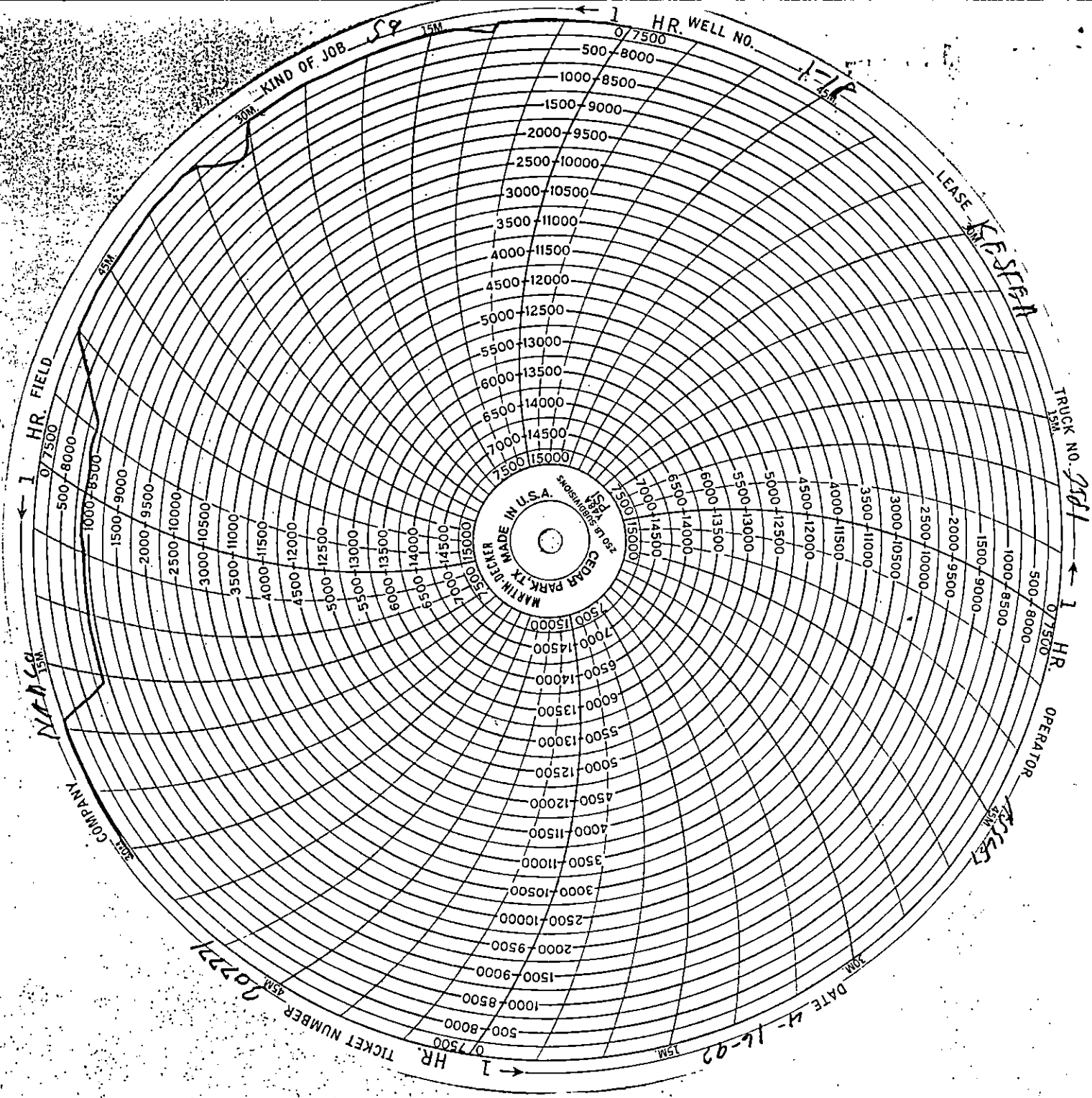
Disp wits 556 H.L.C.

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED Roger Pearson CUSTOMER
4-15-93



KIND OF JOB *SR*

HR. WELL NO.

LEASE *K. E. STEIN*

TRUCK NO. *2561*

OPERATOR

DATE *4-16-92*

TICKET NUMBER *02221*

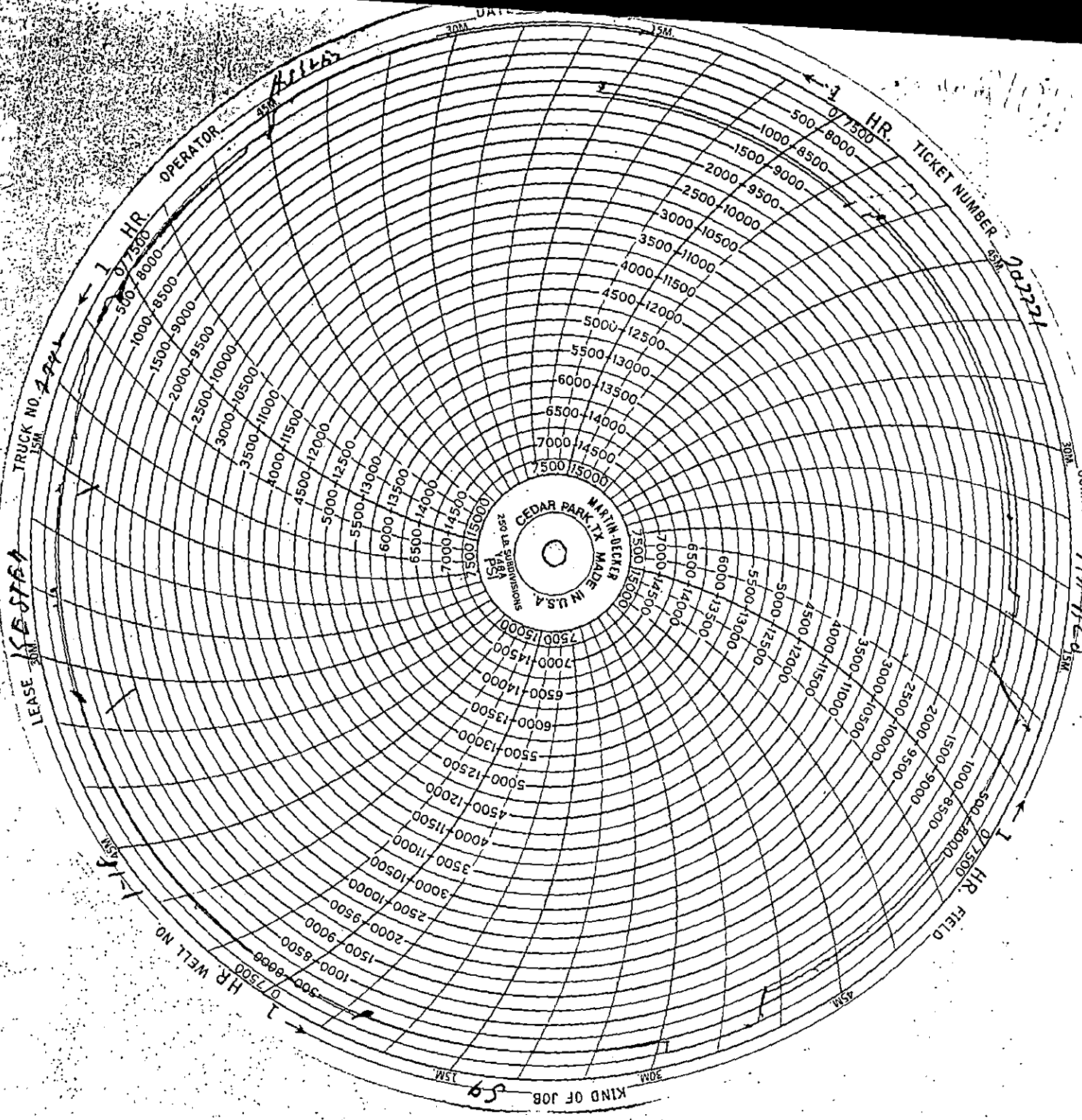
MADE IN U.S.A.
GEORGIA PARK, TX
MARTIN OLIVER
Sole and Exclusive Agent
for the State of Texas

HR. FIELD

HR.

W. S. C. COMPANY

W. S. C. COMPANY



TRUCK NO. 7041

LEASE 15378

HR. WELL NO. 1-112

HR. TICKET NO. 1-112

OPERATOR HILL

HR. TICKET NUMBER 202221

COMPANY M.H.C.

KIND OF JOB Sg

CEDAR PARK TX MADE IN U.S.A.
MARTINBUCKER
250 LB SUBMISSIONS
VISA
VISA

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

CONSERVATION DIVISION
WICHITA, KANSAS

RECEIVED
NOV 28 1965
STATE COMBUSTION DIVISION

ALLIED CEMENTING CO., INC.

5242

Home Office P. O. Box 31

Russell, Kansas 67665

Date	3-18-65	Sec.	18	Twp.	21	Range	34	Called Out	9:30 pm	On Location	12:30 am	Job Start	3:30 am	Finish	3:45 am
Lease	Turner	Well No.	18-1	Location	Friend	10W-25-1W-2S			County	Pinney	State	KS			
Contractor	Murkin #20	Owner North American Resources													
Type Job	Surface	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementor and helper to assist owner or contractor to do work as listed.													
Hole Size	12 1/4	T.D.	468												
Csg.	8 5/8" 24"	Depth	468	Charge To Murkin Pile											
Tbg. Size		Depth		Street 250 N. Water, #300											
Drill Pipe		Depth		City Wichita State Kan 67202											
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.	15 ft	Shoe Joint		Purchase Order No. <i>[Signature]</i>											
Press Max.		Minimum		CEMENT											
Meas Line		Displace	29 3/4 Bbl/s	Amount Ordered 275 sks 60/40 Poz 3% CC 2% Gr											
Perf.															

EQUIPMENT

Pumptruck	No. 219	Cementor	Fitz
		Helper	Walt
Pumptruck	No.	Cementor	
		Helper	
		Driver	Steve
Bulktrk	315		
Boiltrk		Driver	

DEPTH of Job	468 ft		
Reference:	1	8 5/8 Surface Plug	42.00
		Pumptruck	430.00
		225 per mile	128.25
		39¢ per ft x 300'	116.50
		Sub Total	65.53
		Tax	66.77
		Total	204.80

Remarks: Mix Cement - Release Plug + Displace To within 15 ft from Bottom Plug Down - Cement Did Circulate

Consisting of			
Common	165 sk	2	6.85
Poz. Mix	110 sk	2	3.00
Gel.	5 sk	2	7.00
Chloride	9 sk	2	25.00
Quickset			
Sales Tax			
Handling	1.00 per sk		275.00
Mileage	4¢ per sk/mile		8.14
	74 miles		2.95
	57		
Sub Total			627.00
Sub Total			204.80
Sub Total			587.25

Flooding Equipment			

Joan Finney
Governor

Jim Robinson
Chairman

F. S. Jack Alexander
Commissioner

Rachel C. Lipman
Commissioner

Judith McConnell
Executive Director

Brian Moline
General Counsel



Kansas Corporation Commission

ORIGINAL

North American Resources Company
Attn: James L. Else
16 East Granite
Butte, Montana 59701
October 11, 1993

**Re: Confidentiality of Information on
Kester 18-1
A.P.I. 15055211830000
Sec. 18 - Twn. 21 S. - Rng. 34 W.
Finney County, Kansas**

Dear Mr. Else:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection (d) of that regulation states that "all rights to confidentiality shall be lost if the filings are not timely."

The above-referenced well was spud March 15, 1993 and the ACO-1 was received on August 26, 1993 (not within the 120 days timely requirement). Therefore, your request for confidential treatment of this information cannot be granted.

If you should have any questions, please do not hesitate to contact me at (316) 263-3238.

Sincerely,

David P. Williams
Production Supervisor

Conservation Division
William R. Bryson
Director
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, Kansas 67202-1286
Telephone (316) 263-3238



NORTE AMERICAN RESOURCES COMPANY

GENERAL OFFICES: 16 EAST GRANITE, BUTTE, MONTANA 59701
TELEPHONE (406) 723-5421 • FAX (406) 782-8405

ORIGINAL

August 23, 1993

Kansas Corporation Commission
200 Colorado Derby Bldg.
220 West First Street
Wichita, KS 67202

ATTN: Don Rider

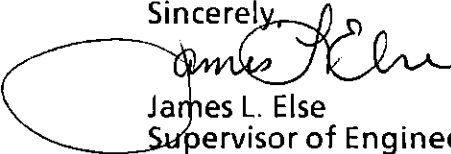
RE: Kester 18-1
Section 18-T215-R34W
Finney County, Kansas

Dear Mr. Rider:

Enclosed is Form ACO-1, "Well Completion Form", and Form CP-4, "Well Plugging Record" for the above-referenced well.

If you should have any further questions or concerns, please don't hesitate to call.

Sincerely,



James L. Else
Supervisor of Engineering

PZ/JLE/jap
Enclosures

1
4
2

RECEIVED
STATE CORPORATION COMMISSION
AUG 26 1993
CONSERVATION DIVISION
Wichita, Kansas

JAP/4093/0349

KCC OIL/GAS REGULATORY OFFICE

DATE 4-16-93

- New Situation
- Response to Request
- Follow-up

OPERATOR NORTH AMERICAN # 4779

NAME 16 E Granite

LOCATION SW, SEC 18, T 21 S, R 34 E

&
ADDRESS Butte, MT.

LEASE Kester Well # 1

PHONE NO. 406 782-4233
OPER. OTHER

COUNTY Furness

REASON FOR INVESTIGATION: Report to well file -

LEASE INSPECTION

PROBLEM: Problem Act. II well -

PERSON(S) CONTACTED: Roger Pearson of N.A.

FINDINGS: See attached report. I was in contact Roger Pearson throughout re-work. I did not witness this Act. II.

COMPLAINT

Don Riden

ACTION/RECOMMENDATIONS: None

taken: _____

RECEIVED
STATE CORPORATION COMMISSION

MAY 25 1993

FIELD REPORT

CONSERVATION DIVISION
Wichita, Kansas

Retain 1 copy Joint District Office
Send 1 copy Conservation Division

By SDM Steve Durrant

EFFECTIVE DATE: 3-7-93

DISTRICT # 1

SGA7... Yes No

State of Kansas
NOTICE OF INTENTION TO DRILL 055-21,183

Must be approved by the K.C.C. five (5) days prior to commencing well

15.055-21183-0000

FORM C-1 7/91
FORM MUST BE TYPED
FORM MUST BE SIGNED
ALL BLANKS MUST BE FILLED

Expected Spud Date 03 06 93
month day year

Spot
NW SW Sec 18 Twp 21 S. Rg 34 East
West

OPERATOR: License # 04779 ✓
Name: North American Resources Co.
Address: 16 E. Granite
City/State/Zip: Butte, MT 59701
Contact Person: Ed Nees
Phone: 406/782-4233

2310 2239 feet from South / ~~XXXX~~ line of Section
220 401 feet from ~~XXXX~~ / West line of Section
IS SECTION X REGULAR IRREGULAR?

CONTRACTOR: License #: 30606 ✓
Name: Murfin Drilling Company, Inc.

(NOTE: Locate well on the Section Plat on Reverse Side)
County: Finney
Lease Name: ~~XXXX~~ Well #: 18-1
Field Name: Christabelle

Well Drilled For: Well Class: Type Equipment:
X Oil ✓ ... Enh Rec ... Infield ..X Mud Rotary
... Gas ... Storage ... Pool Ext. ... Air Rotary
... GWO ... Disposal ..X Wildcat ... Cable
... Seismic; ... # of Holes ... Other
If GWO: old well information as follows:
Operator: _____
Well Name: _____
Comp. Date: _____ Old Total Depth _____

Is this a Prorated/Spaced Field? ... yes ..X no ✓
Target Formation(s): Mississippi
Nearest lease or unit boundary: 330' ✓
Ground Surface Elevation: 3053 feet MSL ✓
Water well within one-quarter mile: ... yes ..X no ✓
Public water supply well within one mile: ... yes ..X no ✓
Depth to bottom of fresh water: 200' ✓
Depth to bottom of usable water: 1150' ✓
Surface Pipe by Alternate: 1 X 2 468' ✓
Length of Surface Pipe Planned to be set: (450') 200' *
Length of Conductor pipe required: none ✓
Projected Total Depth: 5000' ✓
Formation at Total Depth: Mississippi ✓
Water Source for Drilling Operations:
... well ... farm pond ..X other ✓

Directional, Deviated or Horizontal wellbore? ... yes ..X no ✓
If yes, true vertical depth: _____
Bottom Hole Location: _____
Exp. 9/2/93

DWR Permit #: _____
Will Cores Be Taken?: ... yes ..X no ✓
If yes, proposed zone: _____

200' Alt. II Req.

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.
It is agreed that the following minimum requirements will be met:

913-694-3635
3069

Pusher Rodney Ferr
SPUD DATE 3-14-93 INIT. CM
LENGTH SURFACE PLANNED 468'

RESERVE PIT STATUS- REMOVE FLUID LINED
after salt sect. bbls. when done bbls.
RATHOLED AHEAD? Y N SIZE HOLE _____
SURFACE PIPE 8 1/2" @ 468' CONDUCTOR _____
ANHYDRITE T- B- ELEVATION _____

TD 4970 FORMATION _____
RAN PIPE 5 1/2" @ 2150-64 DV TOOL 2 1/3 ALT II DONE
300 SX Y N
Dio not Circ. Plat
Arbuckle Plug @ _____ Ft. W/ _____ SX
Hug./Council @ _____ Ft. W/ _____ SX
Anhydrite Base @ _____ Ft. W/ _____ SX
1/2 Base Anyh. @ _____ Ft. W/ _____ SX
1/2, 1/2 Plug @ _____ Ft. W/ _____ SX
Bottom Surface @ _____ Ft. W/ _____ SX
40' Plug @ _____ Ft. W/ _____ SX
RAT HOLE CIRC/W _____ SX MOUSE HOLE W/ _____ SX

WATER WELL _____ SX (Irr. Well _____ Pond _____)
Hauling _____
TECHNICIAN _____ DATE _____
STATE COMMISSION
RECEIVED
MAY 2 1993
STARTING TIME _____ (AM/PM) DATE _____
COMPLETION TIME _____ (AM/PM) DATE _____
CEMENT COMPANY _____

HOSCO Testing and Measurement

P. O. BOX 252 • 316-624-5636
LIBERAL, KANSAS 67905-0252

Roger Pearson

March 31, 1993

North American Resources

Kester 18-1
Finney Co., Kansas

3-24-93.

L.D. logging tools

0000 Hrs. TIH with bit & drill string to condition hole

0200 Hrs. On btm with bit, circulating to condition hole

0400 Hrs. Start POOH, L.D. drill pipe

0700 Hrs. Out of hole with drill pipe, prep to run 5 1/2" csg.

0900 Hrs. Start in hole with 5 1/2" Guide Shoe
1 jt. 5 1/2" 14# csg. W/Float
Collar (45' shoe jt.)
62 jts. 5 1/2" 14# J-55 Csg.
5 1/2" D.V. Tool
47 jts. 5 1/2" 14# J-55 Csg.

R.V. Dowell to cmt. csg.

1130 Hrs. On btm w/110 jts csg, prepare to cmt btm stage
Guide Shoe @ 4949
Float Collar @ 4903
D.V. Tool @ 2113

1215 Hrs. Pump down 5 1/2 csg w/140 sxs self stress I containing
2% SI + 0.5% D-60 + 5# sk D-42 + 1/4# D-29 & 0.2% D-46
Average pump rate 7 BPM, S.D. & wash up pump & lines
Displaced w/70 bbls fwtr & 50 bbls Drilling mud
Had 95-100% returns & reciprocated Csg. thru-out job

1245 Hrs. Bumped plug & press to 1500#, Release press
Float holding OK.

1300 Hrs. Open D.V. Tool & circ w/drilling mud while W.O.C.
for 5 hours

1800 Hrs. Pumped via 5 1/2" Csg, 10 bbl fwtr Spacer
Followed by 220 sks 65/35 poz mix containing 6% D-20
2% SI + 5# sk D-42 & 1/4#/sk D-29
Followed by 80 sks RFC 10-0 with 5#/sk D-42
Displaced closing plug w/52 bbls fwtr.
Closed D.V. Tool & press Tested w/2100#, Tested OK
Avg pump rate 5.5 BPM, Had very good returns to
Did not circ cmt to surface.
No indication of cmt falling back.

RECEIVED
STATE CORPORATION COMMISSION

MAY 25 1993

STATE CORPORATION DIVISION
Wichita, Kansas

WELL TENDING

LEASE SUPERVISION

METER WITNESSING

PLATE INSPECTIONS

INITIAL 4 PT. TESTS

STATE 1 PT. TESTS

GAS-OIL RATIO TESTS

FLUID LEVELS

BOTTOM HOLE PRESSURES

TEST SEPARATORS

GAS ANALYSIS

RESERVE ESTIMATES

TEST CALCULATIONS

FULLY INSURED

RICHARD DIXON
PRESIDENT

HOSCO Testing and Measurement

P. O. BOX 252 • 316-624-5636
LIBERAL, KANSAS 67905-0252

WELL TENDING

LEASE SUPERVISION

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TEST CALCULATIONS

FULLY INSURED

RICHARD DIXON
PRESIDENT

RD Dowell, set slips in head

1900 Hrs. Released rig

RECEIVED
STATE CORPORATION COMMISSION

MAY 25 1993

CONSERVATION DIVISION
Wichita, Kansas

DOWELL SCHLUMBERGER INCORPORATED

3163561911
 TREATMENT NUMBER: 03-12-5121
 DATE: 3-24-93
 STAGE: 1st DS: Ulysses DISTRICT: Ulysses, KS

WELL NAME AND NO.: **Keeter #18-1**
 LOCATION (LEGAL): **Sec. 18-215-34W**
 FORMATION: **Christabelle**
 CITY/PARISH: **FINNEY** STATE: **Mississippi** A.P.I. NO.: **Ks.**
 OPERATOR: **North American Resources**

RIG NAME: **MURFIN DRILLING #20**
 WELL DATA: **TOP** / **BOTTOM**
 BIT SIZE: **7 7/8** CSQ/Liner Size: **5 1/2**
 TOTAL DEPTH: **4967** WEIGHT: **16**
 ROT CABLE FOOTAGE: **4949**
 MUD TYPE: **JCS** GRADE: **JCS**
 BHST BHCT THREAD: **8ed**
 MUD DENSITY: **4.3** LESS FOOTAGE SHOE JOINT(S)
 MUD VISC: **119.6** Disp. Capacity

ADDRESS: _____
 ZIP CODE: _____

NOTE: Include Footage From Ground Level To Head In Dip Capacity

TYPE: Flange Float collar	TYPE: Weatherford
DEPTH: 4906	DEPTH: 2114
TYPE: Cmt. Noce	TYPE: _____
DEPTH: 4949	DEPTH: _____

SPECIAL INSTRUCTIONS: **1st stage**

CASING/TUBING SECURED? YES NO
 PRESSURE: **2918** PSI CASING WEIGHT + SURFACE AREA (314 x R²)
 PRESSURE LIMIT: **1590** PSI BUMP PLUG TO: **1590** PSI
 RATE: _____ RPM RECIPROCATED: **18** FT No. of Centralizers: **7**

Head & Plugs: Double Single Swage Knock Out
 TBG D.P. SQUEEZE JOB
 SIZE: _____ WEIGHT: _____ GRADE: _____ THREAD: _____
 TOOL DEPTH: _____ TUBING VOLUME: _____ BBLS
 CASING VOL. BELOW TOOL: _____ BBLS
 TOTAL: _____ BBLS
 ANNUAL VOLUME: _____ BBLS

JOB SCHEDULED FOR TIME: **0700** DATE: **3-24-93** ARRIVE ON LOCATION TIME: **0700** DATE: **3-24-93** LEFT LOCATION TIME: **1930** DATE: **3-24-93**

TIME	PRESSURE		VOLUME PUMPED		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
001 to 2400					INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
2								PRE-JOB SAFETY MEETING			
2:15	20	12			7	wt. 100		start CW 100			
2:18	370	28			7	Cmt. 14.7		start cement			
2:21	240		210		7	Cmt. 14.7		psi check			
2:25	10							shutdown wash pump, drop 1st plug			
2:28	10	70			6.8	H2O		start displacement			
2:32	140		24		6.8	H2O		psi check			
2:39	150	50			6.8	mud		start mud			
2:42	250		20		6.8	mud		psi check			
2:43	420		30		6.8	mud		psi check			
2:45	510		40		2	mud		lower rate			
2:50	580		49		2	mud		psi check			
2:50	1890		50		2	mud		bump 1st stage plug			
2:51		120						bleed psi at check float + holding			
2:55								drop opening bomb			
3:10						mud		start pump to open D.V. Tool			
3:10	760				2.1	mud		D.V. Tool open			

ARKB

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLS	DENSITY
1.	140	1.54	self-steering T + 2% localizer + .5% D-66 + 5% K-D-42		38.5	14.7
2.			+ 1% K-D-29 + .2% D-46			
3.						
4.						
5.						
6.						

DOWN FLUID TYPE: _____ VOLUME: _____ DENSITY: _____ PRESSURE: _____ MAX: _____ MIN: _____

ESTIMATION SO. RUNNING SO. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO BBLS

DOWN PSI: _____ FINAL PSI: _____ DISPLACEMENT VOL: **119.6** BBLS TYPE OF WELL: OIL STORAGE BRINE WATER
 GAS INJECTION WILDCAT

MEASURED DISPLACEMENT: _____ FT. WIRELINE

OPERATIONS TO: _____ TO: _____ CUSTOMER REPRESENTATIVE: _____ DS SUPERVISOR: **James Escamilla**

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-5121
 DATE: 3-24-93
 STAGE: 2nd
 DS: Ulysses
 DISTRICT: KS

498 PRINTED IN U.S.A.

WELL NAME AND NO.: *Kester #18-1*
 LOCATION (LEGAL): *Sec 18-26-34W*
 RIG NAME: *MURPHY Drilling #20*
 WELL DATA: BIT SIZE *1 7/8* CSO/Liner Size *5 1/2*
 TOTAL DEPTH: *4907* WEIGHT: *16*
 UNITS/PARISH: *Christabelle* STATE: *Mississippi* API. NO.:
 CITY/TOWNSHIP: *Finney* STATE: *Ks.*
 OPERATOR: *North American Resources*
 MUD TYPE: GRADE: *Red*
 MUD DENSITY: LESS FOOTAGE SHOULDER JOINT(S)
 MUD VISC. Disp. Capacity

DRESS: ZIP CODE: SOCIAL INSTRUCTIONS: *2nd stage*

Head & Plugs: TBG D.P. SQUEEZE JOB
 Double SIZE TYPE
 Single WEIGHT DEPTH
 Sledge GRADE TAIL PIPE SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bb
 PRESSURE: 1246 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)
 STRESS LIMIT PSI BUMP PLUG TO 2120 PSI TOP CW NEW USED CASING VOL. BELOW TOOL Bb
 RATE RPM RECIPROCATE FT No. of Centralizers BOT CW DEPTH TOTAL Bbl
 ANNUAL VOLUME Bbl

TIME: 0001 to 2400 PRESSURE: TBG OR D.P. CASING VOLUME PUMPED BBL: INCREMENT CUM. JOB SCHEDULED FOR TIME: 0700 DATE: 03-24-93 ARRIVE ON LOCATION TIME: 0700 DATE: 03-24-93 LEFT LOCATION TIME: 1930 DATE: 03-24-93

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM.				
801	0	12			5.8	H2O		PRE-JOB SAFETY MEETING
803	190	82			5.8	CMF	12.2	start H2O ahead
810	160	41			5.8	CMF	12.2	start lead cmf.
817	170	16.5			5.8	CMF	14.5	psi check
818	200	8			5.8	CMF	14.5	start RAIL cmf.
821	0							psi check
824	0	51.5			5.9	H2O		shut down drop closing plug
829	140	30			5.9	H2O		start displacement
830	230	35			5.9	H2O		psi check
832	290	44			3	H2O		" "
833	270	4.8			3	H2O		" "
835	2120	52			3	H2O		bump closing plug
836								bleed pressure plug holding
837								and job

REMARKS:

SYSTEM CODE	NO OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBL/S	DENSITY
1	220	2.10	45% cement + 6% gel + 2% mica + 5% of D-42 + 1/4" D-38		82.2	12.2
2						
3	80	1.16	RFC 10-0 + 5% of D-42		16.5	14.3
4						
5						
6						

WELL SHUTDOWN FLUID TYPE: VOLUME: DENSITY: PRESSURE: MAX. MIN.:
 CIRCULATION LOST: YES NO Cement Circulated To Surf. YES NO
 DISPLACEMENT VOL: 51.5 Gals TYPE OF WELL: OIL GAS STORAGE BRINE WATER
 MEASURED DISPLACEMENT: FT. WIRELINE INJECTION WILDCAT
 SUPERVISOR: *Tara Escamela*

HOSCO Testing and Measurement

P. O. BOX 252 • 316-624-5636
LIBERAL, KANSAS 67905-0252

WELL TENDING

LEASE SUPERVISION

METER WITNESSING

PLATE INSPECTIONS

April 14, 1993

North American Resources

Kester 1-18
Finney Co., Kansas

INITIAL 4 PT. TESTS

4-12-93 RU HLS to run bond log & perf 4 squeeze perfs
RIH w/logging tool
Bond Log indicated top of cmt @ 1650-1690
L.D. logging tool

STATE 1 PT. TESTS

RIH w/squeeze gun & perf from 1640-41 w/4 shots
All charges fired
R.D. HLS

GAS-OIL RATIO TESTS

FLUID LEVELS

RU Halliburton to cmt

BOTTOM HOLE PRESSURES

Pumped via 5 1/2 csg, 12 Bbls Fwt to obtain
circulation.

TEST SEPARATORS

Pumped 210 sks Premium Plus Light w/1/4# Flocele
and 2% Ca Cl.

GAS ANALYSIS

Followed by 80 sks Premium Plus w/2% Ca Cl.
Displaced wiper plug to ± 1475 w/36 Bbls Fwtr.
Staged plug to 1610 w/3.25 Bbls in 5 stages
over 3 hour period.
Last stage pressure 600#

RESERVE ESTIMATES

Maintained full returns to pit thru-out job.
Shut well in

TEST CALCULATIONS

RD Halliburton

FULLY INSURED

RICHARD DIXON

PRESIDENT

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 50552

DATE 04-12-93	CUSTOMER ORDER NO.	WELL NO. AND FARM Kester #1-18	COUNTY Finney	STATE Kansas
CHARGE TO MARCO		OWNER Same	CONTRACTOR No. B 167032	
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO NW/Garden City, Ks	TRUCK NO. 51984-6611	RECEIVED BY <i>KINSIDE</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT																																																													
		L	D		QTY.	MEAS.	QTY.	MEAS.																																																															
504-050	516.00265	2	B	Premium Plus Cement	80	sk			8.95	716	00																																																												
504-120		2	B	Halliburton Light Cement	210	sk			8.05	1690	50																																																												
507-210	890.50071	2	B	Flocele 1/2" W/ 210	53	lb			1.40	74	20																																																												
509-406	890.50912	2	B	Calcium Chloride 25W/ 290	5	sk			28.25	141	25																																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 10%;">Returned Mileage Charge</td> <td style="width: 20%;">TOTAL WEIGHT</td> <td style="width: 15%;">LOADED MILES</td> <td style="width: 15%;">TON MILES</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>SERVICE CHARGE ON MATERIALS RETURNED</td> <td></td> <td></td> <td>CU. FEET</td> <td></td> </tr> <tr> <td>500-207</td> <td></td> <td>2</td> <td>B</td> <td>SERVICE CHARGE</td> <td></td> <td>304</td> <td>1.25</td> <td>380</td> <td>00</td> <td></td> <td></td> </tr> <tr> <td>500-306</td> <td></td> <td>2</td> <td>B</td> <td>Mileage Charge</td> <td>27.339</td> <td>60</td> <td>820.17</td> <td>.85</td> <td>697</td> <td>14</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td>TOTAL WEIGHT</td> <td>LOADED MILES</td> <td>TON MILES</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>														Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES														SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET		500-207		2	B	SERVICE CHARGE		304	1.25	380	00			500-306		2	B	Mileage Charge	27.339	60	820.17	.85	697	14					TOTAL WEIGHT	LOADED MILES	TON MILES						
		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES																																																																		
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			TOTAL WEIGHT	LOADED MILES	TON MILES																																																																		
No. B 167032		CARRY FORWARD TO INVOICE					SUB-TOTAL		34.77																																																														

HALLIBURTON SERVICES JOB LOG

WELL NO. 1-18 LEASE KESTER TICKET NO. 305578
 CUSTOMER NARCO PAGE NO. 1
 JOB TYPE RE-CEMENT DATE 4-12-98

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							CAUSE
	1500							REQUESTED
	1450							ON LOCATION - HLS RUNNING LOG / PREPARING
	1830							PERKS @ 1640' - HAD NO HEAD TO CEMENT
	1858	2			✓			PUMP #10 TO ESTABLISH CIRC
	1858							SOLE CIRCULATION - SHUT DOWN & MAX SURVEY
	1903	6	78		✓			PUMP LEAD SURVEY @ 12.2' - GOOD RETURN
	1917	5	19		✓			PUMP TAIL SURVEY @ 14.8' - " "
	1921							SURVEY IN. SHUT DOWN - DROP TOP PERK
	1923	3			✓			DISPLACE w/ H ₂ O - GOOD RETURN
	1933		36		✓	500/300		SHUT DOWN - SINGLE LIFT
	1948		37		✓	300/400		PUMP 1 BBL SURVEY - SHUT DOWN
	2003		38		✓	300/500		PUMP 1 BBL SURVEY - SHUT DOWN
	2029		38 1/2		✓	300/500		PUMP 1/2 BBL
	2100		38 3/4		✓	"		PUMP 1/4 BBL
	2135		39		✓	"		PUMP 1/4 BBL
	2220		39 1/4		✓	300/500		PUMP 1/2 BBL - SHUT IN. RESUME PERK
								RELEASED FROM LOCATION

CUSTOMER

HOSCO Testing and Measurement

P. O. BOX 252 • 316-624-5636
LIBERAL, KANSAS 67905-0252

April 19, 1993

North American Resources

Kester 18-1
Finney Co., Kansas

4-16-93 Contacted Steve Durrant w/KCC
Informed Mr. Durrant on amounts & methods used to
cmt. & apparent results.

Mr. Durrant requested that we pressure test 8 5/8
surfave pipe to 1000#, to prove integrity of cmt.

Met Halliburton on location. Attempted to pressure
test 8 5/8 casing. Had thread leak on casing head.

Called out unit crew & unpacked casing head. Pulled
up on 5 1/2 casing & removed slips. Removed casing
head, cleaned & examined threads. Reinstalled head
w/Teflon Tape.

Attempted to pressure 8 5/8 casing. Casing head
still leaking. Called Brand X Welding & welded head
on to 8 5/8 casing.

Pressure up to 300#. Pinhole leak in weld.
Bled off & welded leak. Pressure up to 700#. Found
pinhole leak. Bled off & weld leak. Pressure up
to 950# for approx. 15 minutes. Held OK. Contacted
Steve Durrant for approval.

Hook up to 5 1/2 casing & established injection rate.
Pump 50 sx premium plus light w/2% CACL & 1/4# Flocele
followed by 80 sx premium plus w/3% CACL. Displaced
wiper plug to 1190' w/29 Bbl Fwtr. Staged additional
2 1/2 Bbls. Displacement in 5 stages over 3 hour
period. Squeezed off @ 1250#.

Shut well in w/1250 on casing

R.D. Halco & S.D. for weekend.

EST. COST FOR DAYS

Post & Mastin Well Service	\$	600.00	
Brand X Welding		100.00	
K&L Tank Service		300.00	
Hosco		365.00	
Halliburton		7,505.00	(4-15 - 4-16)
Total	\$	8,870.00	

WELL TENDING

LEASE SUPERVISION

METER WITNESSING

PLATE INSPECTIONS

INITIAL 4 PT. TESTS

STATE 1 PT. TESTS

GAS-OIL RATIO TESTS

FLUID LEVELS

BOTTOM HOLE PRESSURES

TEST SEPARATORS

GAS ANALYSIS

RESERVE ESTIMATES

TEST CALCULATIONS

FULLY INSURED

RICHARD DIXON

PRESIDENT

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HALLIBURTON SERVICES
Dallas, Oklahoma 75201

A Division of Halliburton Company

TICKET

No. 307771-2

PAGE 1 OF _____ PAGES

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 1-16 KESTEN		COUNTY FINNEY	STATE KS	CITY / OFFSHORE LOCATION	DATE 4-15-93	
CHARGE TO NANCO		OWNER		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
ADDRESS		CONTRACTOR POST - MATHS DR		LOCATION 1 - LAMAR Co	CODE 25615-	
CITY, STATE, ZIP		SHIPPED VIA truck	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2	CODE
WELL TYPE 01	WELL CATEGORY Oh	WELL PERMIT NO.	DELIVERED TO LOU		LOCATION 3	CODE
TYPE AND PURPOSE OF JOB OSO		ORDER NO. B-127595		REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accordance with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's liability by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state whose services are performed or equipment or materials are furnished.

Halliburton warrants only the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117				MILEAGE	600				275	165 00
009-134				PUMP CHANGE	1400	H-				990 00
009-119				CRAN MILEAGE	100				145	145 00
009-134				PUMP LABOR	1400	R-				990 00
009-027				ADD H.	4	H.			195	780 00
				54 TO P PLUG	1	EA	5	1/2		65 00

AGREE UNDECEIVED DISAGREE

1. OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWNS. YES NO

2. WE UNDERSTOOD AND MET YOUR NEEDS. YES NO

3. OUR SERVICES WERE PERFORMED WITHOUT DELAYS. YES NO

4. WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY. YES NO

5. ARE YOU SATISFIED WITH OUR SERVICE? YES NO

TICKET NO. **B-127595**

436479

CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN LIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES PERFORMED UNDER THIS CONTRACT.

[Signature]

SUB TOTAL

SPRINTERT © MARRK BUSINESS FORMS, INC.™



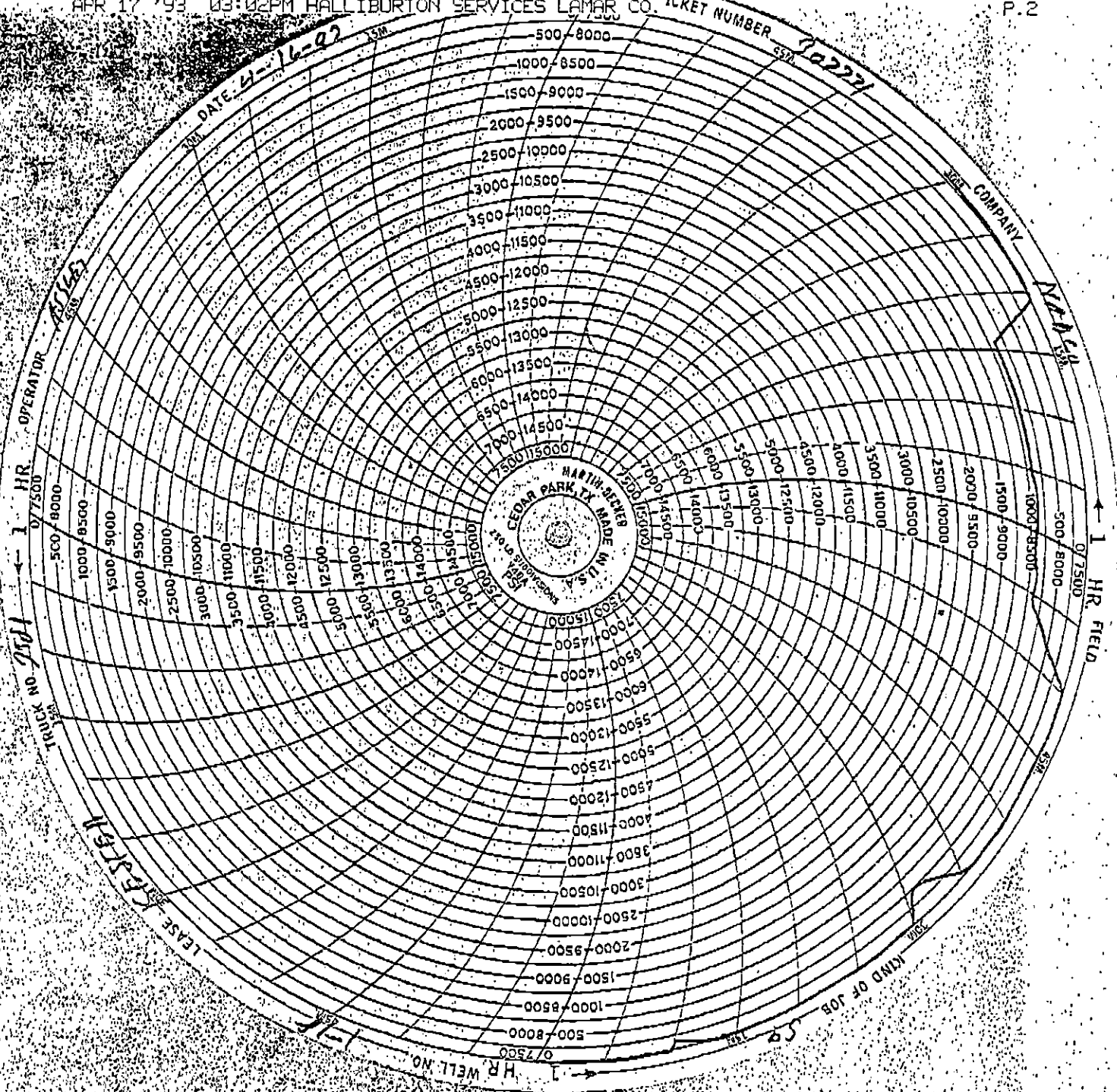
HALLIBURTON SERVICES
A Division of Halliburton Company

**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

FOR INVOICE AND
TICKET NO. 207771

DATE 4-15-93	CUSTOMER ORDER NO.	WELL NO. AND FARM 1-18 Kester	COUNTY Finney	STATE KS.
CHARGE TO NARCO	OWNER Same	CONTRACTOR		No. B 127595
MAILING ADDRESS	DELIVERED FROM HUGOYX Hugoton, KS.	LOCATION CODE 25615	PREPARED BY MCINTIRE	
CITY & STATE	DELIVERED TO LOC.	TRUCK NO. 4037-4037	RECEIVED BY ASHLEY	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
				QTY.	MEAS.	QTY.	MEAS.				
504-120		1 B	Halliburton Light Cement	825	SKS			8.05	6681.25		
504-050			Premium Plus Cement	80	SKS			8.95	716.00		
509-406			Calcium Chloride 2% w/2-2 HLC 3% w/80 P Plus	811	SKS			28.25	23097.75		
504-120			Halliburton Light Cement								
500-306			Returned Mileage Charge	28852	TOTAL WEIGHT	60	LOADED MILES	865.56	TON MILES	185	735 73
500-207			SERVICE CHARGE ON MATERIALS RETURNED					310	CU. FEET	109%	255 00
500-207		2 B	SERVICE CHARGE					462	CU. FEET	1.25	577 50
500-306			Mileage Charge	27522	TOTAL WEIGHT	60	LOADED MILES	1614.4F	TON MILES	.85	1372 31
									CARRY FORWARD TO INVOICE	SUB-TOTAL	9369 79



RECEIVED
 STATE CORPORATION COMMISSION
 MAY 25 1993
 CONSERVATION DIVISION
 Wichita, Kansas

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1-18 LEASE KESTER TICKET NO. _____

CUSTOMER N AICO PAGE NO. _____

JOB TYPE RECEMENT DATE 4-15-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								3581 P.C.P.
								18, 21, 24
								FINNEY KS
								REG ON LOC.
								ON LOC GET MOORE CNT
	15:00							ON LOC WAIT ON H2O
								SAFETY MEET
		3	12					700 TAKE INV. RT. NO CIP.
	17:00		1/2					500 FLOWLINE BETWEEN 8 1/2 - 5 1/2
								WAIT ON ORDERS
								4-16-93
	08:00							REG ON LOC.
	08:00							ON LOC.
	10:00		0					150 PUMP DOWN BETWEEN 8 1/2 - 5 1/2
								HEAD LEAK
								WAIT ON BIG CREW
								FIX HEAD.
								PUMP LEAK WAIT ON WELLEN
	15:00							300 PUMP.
								FIX LEAK
	15:15							750 PUMP LEAK
	15:30							950 PUMP. HELL

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1-18 LEASE KESTEEN TICKET NO. _____

CUSTOMER MARCO PAGE NO. 2

JOB TYPE S9 DATE 4-16-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
		3					450	TAKE INJ RT
		2 1/2					500	START CMT
		2	29				450	FINISH CMT
								RELEASE PLUG
		2					300	START DISP
		2					700	SLOW RT
		2	29				500	DISP
	16:10							STAGE CMT
	16:30		29 1/2				550	PUMP
								STAGE
	17:00		30				600	PUMP
								STAGE
	17:30		30 1/2				750	PUMP
								STAGE
	18:00		31 1/2				1150	PUMP
								STAGE
	18:45		31 1/2				1250	PUMP
								STAGE
	19:10		31 1/2				1250	PUMP
	19:30						1250	S9 UEDF

HOSCO Testing and Measurement

P. O. BOX 252 • 316-624-5636
LIBERAL, KANSAS 67905-0252

April 21, 1993

North American Resources

Kester 18-1
Finney Co., Kansas

Completion Progress Report

4-20-93 T.I.H. w/Arrow tension type squeeze PKR
2 3/8" SN
56 Jts. 2 3/8" Tbg.

R.U. Halliburton to cmt w/75 sks premium plus w/ 3%
CaCl.

Set PKR @ 1770 & pressure 900# to test D.V. Tool
Held OK

P.O.O.H. w/7 jts tbg & set PKR @ 1548

Pressured to 600# on Annulus.

Pump 4 bbls Fwtr via tbg to establish injection rate
Pumping into squeeze perfs @ 1.5 BPM @ 900#

Started cmt, pumped 50 sks premium plus containing
3% CaCL.

Shut off cmt with 50 sks in hole when slight trace
of oil appeared in mix wtr.

Washed up & displaced cmt to 1530' w/6bbls Fwtr
S.D. pump, press holding @ 600#.

Staged in additional 3/4 bbls in 3 stages over
next 1 hour, press still 600#.

Released press, released PKR & reverse circ tbg clean
P.O.O.H. w/1 jt tbg & reset PKR @ 1517

Pressured back up to 600#, w/500# on Annulus
6 3/4 bbls displacement away @ this point
Approx 80' cmt still in csg.

Staged another 1 3/4 bbls displacement over 4 1/2
hour period.

Moved cmt @ 900# & down to 700# on last stage
Contacted Butte & attempted to pump cmt away into
perfs, press up to 1200#, unable to move cmt.
Shut well in w/600# pressure.

EST. COST FOR DAY

Post & Mastin Well service	\$ 1,000.00
Halliburton	2,448.00
Sam's Packer	850.00
Hosco	360.00
K&L Tank Service	N/A (pending adjustment for oil in truck)
Total	\$ 4,658.00

WELL TENDING

LEASE SUPERVISION

METER WITNESSING

PLATE INSPECTIONS

INITIAL 4 PT. TESTS

STATE 1 PT. TESTS

GAS-OIL RATIO TESTS

FLUID LEVELS

BOTTOM HOLE PRESSURES

TEST SEPARATORS

GAS ANALYSIS

RESERVE ESTIMATES

TEST CALCULATIONS

FULLY INSURED

RICHARD DIXON

PRESIDENT

HALLIBURTON SERVICES
JOB LOG

WELL NO. 18-1 LEASE KESTER TICKET NO. 345429
 CUSTOMER NARCO PAGE NO. 1
 JOB TYPE SQUEEZE DATE 4-20-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							Called
	0830							Requested
	0800							On Location - Rig up
	0830							T.J.H. w/ PKR
	0910							Hook up PKR set @ 1770'
	0950		1	✓				Pump to Load Hole
	0933							THREATS PACK - SE
	0940			✓		800-0		Pres up on TRC - GMD - Reverse Pres of PKR - Pull PKR to 1545'
	0950							Hook up
	1000		1		✓		600	Pres Ann
	1028	1.5	3 1/2	✓		950	500	Take Int. Rate
	1025							Start Down
	1015							Mix Slurry
	1025	1		✓		1000	500	Pump Slurry
	1030	1	8	✓		700		Slurry on PAKS
	1034		12	✓				Slurry begins in TUB. Start Down - Sustained and to PIT - mixed Pumps & Lines
	1044	1/2		✓		700		Displace with H ₂ O
	1053		6	✓		750-650		Start Down - Stage in. 6 RLL out
	1058		6 1/4	✓		650-750		Pump - 4-282
	1102		6 1/2	✓		600-700		" " "
	1150		6 3/4	✓		550-650		" " " - Reverse Pres - Reverse OUT w/ 9 RLL H ₂ O - Pull 1 INCH. Set PKR.
	1218				✓		500	Pres Ann
	1220		7	✓		600		Pres TRC - 7 SOL out
	1330		7 1/4	✓		500-700		" " " - 7 1/4 - OUT
	1450		7 1/2	✓		450-900		" " " - 7 1/2 - OUT
	1645					500-1200		TRC to Pump Ann - Sustained and
	1710					1200-600		Build Pres back to 600 PSI - Sustained
								Released from Location

CUSTOMER

HOSCO Testing and Measurement

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LIBERAL, KANSAS 67905-0252

WELL TENDING

April 23, 1993

LEASE SUPERVISION

North American Resources

METER WITNESSING

Kester 18-1

PLATE INSPECTIONS

Finney Co., Ks.

Completion Progress Report

INITIAL 4 PT. TESTS

4-22-93 Drilled out 12' of semi-hard cmt to 1637
Advised Butte as to condition of cmt.

STATE 1 PT. TESTS

Drilled out remaining cmt to 1644 into open csg.
Pressure tested 500# for 15 min, held OK.
Released press.

GAS-OIL RATIO TESTS

FLUID LEVELS

T.I.H. w/tbg to 2025
Drilled 87' cmt stringers from 2025 to 2112
Found DV Tool @ 2112, drilled out DV Tool

BOTTOM HOLE PRESSURES

TEST SEPARATORS

T.I.H. w/tbg to 4904, partially drilled rubber
plug @ 4904 to verify float collar location.
Circ hole clean & press test 500# for 15 min, OK.

GAS ANALYSIS

L.D. power swivel & pumped 130 bbls fwtr w/2% KCL

RESERVE ESTIMATES

T.O.O.H. w/153 jts tbg
3 - 3 1/2" Drill Collars
5 1/2" Csg Scraper
4 7/8" Bit

TEST CALCULATIONS

L.D. Drill Collars

R.D. & released mud pump & swivel
Released Drill Collars & Scrapers
Shut well in & S.D.O.N.

FULLY INSURED

Est. Cost for Day

RICHARD DIXON

PRESIDENT

Post & Mastin Well Service	\$ 1,150.00	(Completion Unit)
Post & Mastin Well Service	600.00	(pump & swivel)
Brady Fluid Service	275.00	
Danco Tool Co.	1,120.00	
Hosco	360.00	
Total	\$ 3,505.00	