

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

ORIGINAL

API No. 15-065-22,655

-0000

JAN 13

County Graham

SW - SW - NE - Sec. 27 Twp. 7S Rge. 22 X W

2970 Feet from S/N (circle one) Line of Section

2310 Feet from E/W (circle one) Line of Section

CONFIDENTIAL

Operator: License # 4982 9482

Name: National Petro. Reserves, Inc.

Address 250 N. Rock Rd., Ste #340

City/State/Zip Wichita, KS 67206

Purchaser: none

Operator Contact Person: Ted C. Bredehoft

Phone (316) -681-3515

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Dan DeBoar

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S1OW  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. \_\_\_\_\_

12/7/91 12/14/91  
Spud Date Date Reached TD Completion Date

RELEASED  
2-23-93  
2.3.1993  
Name Nichol Well # 1

FROM CONFIDENTIAL

Producing Formation \_\_\_\_\_

Elevation: Ground 2168' KB 2173'

Total Depth 3800' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 272 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan NO IT II DYN  
(Data must be collected from the Reserve Pit)

Chloride content 2,000 ppm Fluid volume 120 bbls

Dewatering method used natural dehydration

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 [Signature]  
Title President Date 1-14-92

Subscribed and sworn to before me this 14 day of January, 19 92.

Notary Public [Signature]  
Date Commission Expires 5-13-93

SUSAN E. BREDEHOFT  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 5-13-93

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
RECEIVED Distribution  
KANSAS CORPORATION COMMISSION SWD/Rep \_\_\_\_\_ NGPA  
1-17-92 \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)  
JAN 17 1992

Form ACO-1 (7-91)  
CONSERVATION DIVISION  
WICHITA KS

Operator Name National Petro. Reserves, Inc. Lease Name Nichol Well # 1

Sec. 27 Twp. 7S Rge. 22  East  West County Graham

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1756 +417	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3157 -984	
List All E.Logs Run: Radiation Guard log		Heebner	3360 -1193	
		Toronto	3390 -1217	
		Lansing	3405 -1232	
		Base/K.C.	3602 -1429	
		Arbuckle	3746 -1573	

CASING RECORD <input 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"	20#	272	60/40 poz	210	2% gel 3%cc

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water 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 \_\_\_\_\_

ORIGINAL

KOL  
JAN 13  
CONFIDENTIAL

DST #1 (3420-3450); Lansing 35 ft zone; 30-30-45-60; 1st open-weak blow bldg to bottom bucket in 23 minutes; 2nd open-weak blow bldg to bottom bucket in 38 minutes; recovery: 30 ft gas-in-pipe, 2 ft clean gassy cut oil, 345 ft slightly oil and gas cut mud (75% water); IFP 77-112; FFP 164-212; ISIP-926; FSIP 936; drilling at 3,450 ft.

DST #2 (3461-3489); Lansing 50 ft & 90 ft zones; 30-30-30-30; 1st open-weak blow built to 1 $\frac{1}{4}$ "; 2nd open-weak blow built to 1"; recovery: 50 ft drilling mud w/show oil top of tool; IFP 48-38; FFP 57-48; ISIP-781; FSIP-781; drilling at 3,489 ft.

DST #3 (3543-3593); Lansing 160, 180 and 200 ft zones; 20-20-20-20; 1st open-weak blow bldg to  $\frac{1}{4}$  inch; 2nd open-weak blow bldg to  $\frac{1}{2}$  inch; recovery: 25 ft oil cut mud (10% oil, 90% mud); IFP 57-48; FFP 48-48; ISIP-86; FSIP-77;

RELEASED

JAN 23 1993

FROM CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 17 1992

CONSERVATION DIVISION  
WICHITA, KS

15-069-22695-00-00

# ORIGINAL

RELEASED

JAN 23 1993

FROM CONFIDENTIAL  
2-23-93

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

100  
JAN 13  
CONFIDENTIAL

## DRILLERS LOG

OPERATOR: National Petroleum Reserves, Inc.  
250 N. Rock Rd. Ste. #340  
Wichita, Kansas 67206

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Nichol

WELL #1

LOCATION: SW SW NE  
Section 27-7S-22W  
Graham County, Kansas

LOGGERS TOTAL DEPTH: 3801'

ROTARY TOTAL DEPTH: 3800'

COMMENCED: 12/7/91

CASING: 8-5/8" @ 272' w/210 sks cement

ELEVATION: 2173' K.B.

COMPLETED: 12/14/91

STATUS: Dry Hole

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 17 1992

## DEPTHS & FORMATIONS

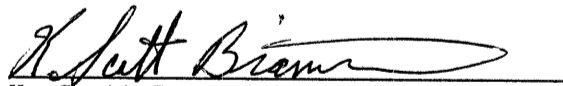
(All measurements from K.B.)

CONSERVATION DIVISION  
WICHITA, KS

Top Soil Sand & Shale	275'	Lime & Shale	3240'
Cedar Hills	1278'	Lansing-Kansas City	3440'
Sand & Shale	1487'	Conglomerate	3627'
Anhydrite	1754'	Arbuckle	3748'
Red Bed	1789'	R.T.D.	3800'

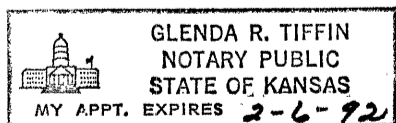
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

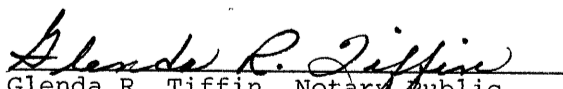
K. Scott Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
K. Scott Branum

Subscribed and sworn to before me on December 17, 1991.

My commission expires: February 6, 1992.



  
Glenda R. Tiffin, Notary Public

ORIGINAL AND PRE-TREATMENT DATA

RELEASED

ATTACH TO INVOICE & TICKET NO. 163717-4

DISTRICT Pratt, Ks.

DATE 12-14-91

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

WELL NO. #1 LEASE Nichol SEC. 27 TWP. 7<sup>s</sup> RANGE 22<sup>w</sup>

FIELD Wildcat COUNTY Graham STATE Ks. OWNED BY National Petroleum

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH 3795' MUD WEIGHT \_\_\_\_\_  
BORE HOLE 7 7/8"  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			8 5/8"	KB	265'	
LINER						
TUBING						
OPEN HOLE			7 7/8"	265	3795	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_  
Plug to Abandon w/ 200 SKS. 60/40 - 69 GEL - 3% C.C. - 1<sup>st</sup> plug @ 1775' w/ 25 SKS. - 2<sup>nd</sup> plug @ 1025' w/ 100 SKS. - 3<sup>rd</sup> plug @ 325' w/ 40 SKS. - 4<sup>th</sup> plug @ 40' w/ 10 SKS. 15 SKS. IN Rot hole - 10 SKS. IN Mouse hole

As directed

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
- a) 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.
  - b) 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:
    1. 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.
    2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
    3. 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.
  - c) 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.
  - d) 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.
  - e) 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.
  - f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
  - g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
  - h) 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 the authorized executive officer of Halliburton.

RECEIVED  
KANSAS CORP  
JAN 17 1992

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Mike Hayes CUSTOMER  
DATE 12-14-91  
TIME 1150 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

ORIGINAL



TICKET NO. 163717-4

FORM 1906 R-11

CONFIDENTIAL

WELL NO. - FARM OR LEASE NAME #1 Nichol		COUNTY Cham	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 12-14-91
CHARGE TO National Petroleum		OWNER Same	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 Emphasis Drty - Rig #7	LOCATION 1 Oberlin, Ks.		CODE 25529
CITY, STATE, ZIP		SHIPPED VIA 3579-3846	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 01	WELL CATEGORY 03	WELL PERMIT NO. B-111935	DELIVERED TO E Hill City, Ks.		CODE
TYPE AND PURPOSE OF JOB 115		ORDER NO.	REFERRAL LOCATION 3		

RELEASED  
2-3-93  
FROM CONFIDENTIAL

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 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		1		MILEAGE (3579)	38	mi.			2.60	98	80
090-910		1		Pump Charge	2	hrs			370.00	370	00
090-928		1		Additional Hours	2	hrs.			84.00	168	00
030-503		1		Top Plug	1	ea.	8 5/8 in.		90.00	90	00

THIS IS NOT AN INVOICE

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 17 1992  
CONSERVATION DIVISION  
WICHITA KS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-111935 1898 34

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X Mike Hynes  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Mike Hynes  
CUSTOMER OR HIS AGENT (SIGNATURE)

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

Eldon Reynolds  
HALLIBURTON OPERATOR

\_\_\_\_\_  
HALLIBURTON APPROVAL

\_\_\_\_\_  
CUSTOMER

SUB TOTAL  
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**JOB SUMMARY**

HALLIBURTON DIVISION Oklahoma City, Ok.  
 HALLIBURTON LOCATION Oberlin, Ks.

BILLED ON TICKET NO. 163717-4

CUSTOMER Advanced Petroleum  
 LEASE Michael  
 WELL NO. #1  
 JOB TYPE Plug to Abandon  
 DATE 12-14-91

**WELL DATA**

FIELD Wildcat SEC. 27 TWP. 7<sup>s</sup> RNG. 22<sup>w</sup> COUNTY Graham STATE Ks.

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>8 5/8"</u>	<u>KB</u>	<u>265'</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8"</u>	<u>265</u>	<u>3795</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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 3795'

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-10</u>	<u>8 5/8"</u>	<u>1ea Halco</u>
HEAD		
PACKER		
OTHER		

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-14-91</u> TIME <u>0829</u>	DATE <u>12-14-91</u> TIME <u>1140</u>	DATE <u>12-14-91</u> TIME <u>1222</u>	DATE <u>12-14-91</u> TIME <u>1510</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u>	<u>RCM HT-400</u>	
<u>H. Berry</u>	<u>3579 Bm</u>	<u>Oberlin, Ks.</u>
	<u>3846</u>	<u>Oberlin, Ks.</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. \_\_\_\_\_ IN.  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

**RELEASED** KCC  
12 23 1993 JAN 13  
**FROM CONFIDENTIAL** **CONFIDENTIAL**

DEPARTMENT Cementing  
 DESCRIPTION OF JOB Plug to Abandon  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE Mike Hynce  
 HALLIBURTON OPERATOR E. Reynolds COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>60/40</u>			<u>6% Gel - 3% CC.</u>	<u>1.64</u>	<u>13.2</u>

**PRESSURES IN PSI** **SUMMARY** **VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL-GAL. 250 TYPE Water  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 178-110-18  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 59.4  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ ROTARY VOLUME: BBL-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS See Job Log  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ CEMENT LEFT IN PIPE JAN 17 1992  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

# BULK MATERIALS DELIVERY AND TICKET CONTINUATION



FOR INVOICE AND  
TICKET NO. 163717-4

ORIGINAL

DATE <b>12/14/91</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM # <u>1</u> <u>Nichol</u>	COUNTY <b>CONFIDENTIAL</b> Graham	STATE KS
CHARGE TO <b>National Petroleum</b>		OWNER <b>National Petroleum</b>	CONTRACTOR <b>Emphasis Drlg.</b>	
MAILING ADDRESS		DELIVERED FROM <b>Oberlin, KS</b>	LOCATION CODE <b>25529</b>	PREPARED BY <b>Lyle</b>
CITY & STATE		DELIVERED TO <b>E/Hill city, KS</b>	TRUCK NO. <b>3846</b>	RECEIVED BY <i>[Signature]</i>

No. **B 111935**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-308		1	B	Standard Cement	120	sk			6.75	810.00		
506-105		1	B	Pozmix 'A'	80	sk			3.90	312.00		
506-121		1	B	(4) Halliburton Gel Allowed 2%						N/C		
507-277		1	B	Halliburton Gel Added 4%	6	sk			14.75	88.50		
509-406		1	B	Calcium Chloride 3%	6	sk			26.25	157.50		
<p><b>RELEASED</b></p> <p>JAN 23 1993</p> <p>FROM CONFIDENTIAL</p> <p style="font-size: 3em; opacity: 0.5; transform: rotate(-30deg);">THIS IS NOT AN INVOICE</p>												
		Returned Mileage Charge	RECEIVED KANSAS CORPORATION COMMISSION			TOTAL WEIGHT	LOADED MILES	TON MILES				
		SERVICE CHARGE ON MATERIALS RETURNED					JAN 17 1992		CU. FEET			
500-207		1	B	SERVICE CHARGE			224.	1.10	246.40			
500-306		1	B	Mileage Charge	18,680	TOTAL WEIGHT	38	LOADED MILES	354.92	.80	283.94	
No. <b>B 111935</b>		CARRY FORWARD TO INVOICE					SUB-TOTAL		1,898.34			

FORM 1911 - R7 REV. 8-85

CUSTOMER



**JOB LOG**

WELL NO. #1 LEASE Nichol TICKET NO. 163717-4

CUSTOMER National Petroleum JAN 15 PAGE NO. #1 of 1

JOB TYPE Plug to Abandon DATE 12-14-91

FORM 2013 R-2

**ORIGINAL**

**CONFIDENTIAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0829						DP	Called out - Job ready @ 1100 hrs.
	1140							ON LOC. - Reg @ 1100 - Rig laying down DP
	1148							Setup Equip. - Start plugging Stds.
	1222							Plug Stds. @ 1775' - Circulate hole - 1 <sup>st</sup> plug
	1241		10.0				150	Start 10 bbl. water
	1243		7.5				100	Start mixing 25 SKS. 60/40-6% Gel-3% C.C.
	1245		3.5				50	Finish mixing - Start water spacer
	1248		19.8					Rig pump Mud disp.
	1250							Plug down - Rig lay down DP
	1320							Plug Stds. @ 1025' - 2 <sup>nd</sup> plug
	1325		10.0				100	Start 10 bbl. water
	1328		29.2				100	Start mixing 100 SKS. 60/40 6% Gel-3% C.C.
	1334		3.5				50	Finish mixing - Start water spacer
	1336		11.0					Rig pump mud disp.
	1338							Plug down - Rig lay down DP
	1354							DP @ 325' - fill hole - 3 <sup>rd</sup> plug
	1356		5.0				50	Start 5 bbl. water spacer
	1358		11.7				50	Start mixing 40 SKS. 60/40-6% Gel-3% C.C.
	1401		1.8				0	Finish mixing Cement - Start disp.
	1402						0	Plug down - Rig lay down DP
	1408							DP out of hole - Break Kelly
	1423							Push 8 5/8" plug down 40'
								Rig lay down Kelly & Rat & Mouse hole
	1453		2.8				0	Start mixing 10 SKS. @ 40'
	1456		2.3				0	Start mixing 15 SKS. each Rat & mouse hole (1/2 SKS.)
	1500							Plug down
	1510							Job Completed

RELEASED

23 1993

FROM CONFIDENTIAL

Thank you  
Eidow-Harold-Larry

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 17 1992

CONSERVATION DIVISION  
WICHITA, KS

# MUD-CO. INC. ORIGINAL

100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

DRILLING MUD REPORT REPORT NO. 6

DATE Dec 14 1991 DEPTH 3800

OPERATOR <u>NATIONAL PETROLEUM RESERVES</u>	CONTRACTOR <u>EMPHASIS</u>	RIG NO. <u>7</u>
ADDRESS <u>RIG</u>	ADDRESS <u>JAN 15</u>	SPUD DATE <u>12-2-91</u>
REPORT FOR MR. <u>John Diboal</u>	REPORT FOR MR. <u>JOHN COLLINS</u>	SECTION, TOWNSHIP, RANGE <u>27-7-22W</u>

WELL NAME AND NO. Nichol #1 FIELD OR BLOCK NO. \_\_\_\_\_ COUNTY GRAHAM STATE KANSAS

OPERATION <u>Laying Down P&amp;E</u>	CASING SURFACE IN. at <u>2</u> FT. <u>3100</u>	MUD VOLUME (BBL) HOLE	CIRCULATION DATA
BIT SIZE (IN.) NO.	INTERMEDIATE	TOTAL CIRCULATING VOLUME	PUMP SIZE X IN. ANNULAR VEL. (FT./MIN.) OPPOSITE DP
DRILL PIPE SIZE TYPE	PRODUCTION LINER	IN STORAGE	PUMP MAKE MODEL BBL/STROKE STROKE/MIN OPPOSITE COLLAR
DRILL COLLAR SIZE LENGTH	MUD TYPE		CIRCULATING PRESSURE PSI BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES
Flowline Temperature <u>°F</u>	
Time Sample Taken <u>am</u> pm	<u>11:06</u>
Depth (ft)	<u>3800</u>
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)	
Mud Gradient (psi/ft)	
Funnel Viscosity (sec/qt) API at <u>°F</u>	
Plastic Viscosity cp at <u>°F</u>	
Yield Point (lb/100 sq ft)	
Gel Strength (lb/100 sq ft) 10 sec/10 min	<u>/ / /</u>
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	
Filtrate API (ml/30 min)	
Cake Thickness 32nd in API <input type="checkbox"/> HP-HT <input type="checkbox"/>	
Alkalinity, Mud (P <sub>m</sub> )	
Alkalinity, Filtrate (P <sub>f</sub> /M <sub>f</sub> )	<u>/ / /</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm	<u>Residue 2000</u>
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>PST 680</u>
Sand Content (% by Vol)	
Solids Content (% by Vol)	
Oil Content (% by Vol)	
Water Content (% by Vol)	
L.C.M. #/bbl	
Preservative #/bbl	

DAILY COST \$ 6900 CUMULATIVE COST \$ 2163100

MUD PROPERTIES SPECIFICATIONS

WEIGHT VISCOSITY FILTRATE

BY AUTHORITY  OPERATOR'S WRITTEN  DRILLING CONTRACTOR  
 OPERATOR'S REPRESENTATIVE  OTHER

MATERIALS RECOMMENDED

316-681 3515

RIG T.D. - 3800'

D & A

THANKS

DATE 12-14-91 MUD ON HAND/USED

<u>82</u> <u>2</u> Premium Gel	<u>6</u> <u>1</u> Caustic Soda
<u>3</u> <u>-</u> Salt Clay	<u>3</u> <u>-</u> C.L.S. Super Lig
<u>4</u> <u>-</u> Starch	<u>2</u> <u>-</u> Preservative
<u>42</u> <u>2</u> Lime	<u>1</u> <u>-</u> <u>new</u> <u>Daspac</u>
<u>8</u> <u>-</u> C/S Hulls	<u>1</u> <u>-</u> Mud Seal <u>PHPA</u>
<u>8</u> <u>-</u> Soda Ash	<u>1</u> <u>-</u> Multi Seal

FINAL

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 17 1992  
CONSERVATION DIVISION  
WICHITA, KS

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO., INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE <u>John Diboal</u>	HOME ADDRESS	TELEPHONE
Great Bend Answering Service 316/793-7957	WAREHOUSE LOCATION	TELEPHONE