

ORIGINAL

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

API NO. 15- 179-21,027-00-00

JAN 10 1992

County Sheridan
100' E of
NE - SW - SW - Sec. 14 Twp. 9S Rge. 26 E/W X

CONFIDENTIAL

Operator: License # 9482

990 Feet from S (circle one) Line of Section

Name: National Petro. Reserves, Inc.

1090 Feet from E (circle one) Line of Section

Address 250 N. Rock Rd., Ste. #340

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

City/State/Zip Wichita, KS 67206

Lease Name Popp Well # 1

Field Name W.C.

Purchaser: none

RELEASED

Operator Contact Person: Ted C. Bredehoff

FEB 22 1992

Producing Formation _____

Phone (316) -681-3515

Elevation: Ground 2655' KB 2660'

Contractor: Name: Emphasis Oil Operations

Total Depth 4165' PBDT _____

License: 8241

Amount of Surface Pipe Set and Cemented at 290' Feet

Wellsite Geologist: Craig Caulk

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
 New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan API D DTD
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 3,000 ppm Fluid volume 120 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

11/30/91 12/6/91
Spud Date Date Reached TD Completion Date

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 Ted C. Bredehoff
Title President Date 1-16-92

Subscribed and sworn to before me this 16th day of January, 19 92.

Notary Public T.C. Bredehoff, II

Date Commission Expires 6-30-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
KANSAS CORPORATION COMMISSION
Distribution
X KCC 17-1992 NGPA
KCS 17-1992 Other (Specify)

T. C. BREDEHOFF, II
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-30-95

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

91

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

County Sheridan

Sec. 14 Twp. 9S Rge. 26
 East
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (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	2317 +343	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhydrite	2356 +304	
List All E.Logs Run:	Radiation Guard Log	Topeka	3668 -1008	
		Heebner	3879 -1219	
		Toronto	3902 -1242	
		Lansing	3918 -1258	
		Base/K.C.	4148 -1488	

DST #1-4056-4129 LKC I, J, K zones
 15-15-15-15 Rec: 5' mud FP 67-57, 57-57
 ISIP 57 FSIP 57

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	290'	60/40 poz	200	2% gel

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(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, SMD 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) D&A

Production Interval _____

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KCC

15-179-21027-00-00

JAN 16

CONFIDENTIAL

PETROLEUM
GEOLOGIST

CRAIG L. CAULK
250 N. WATER, SUITE 308
WICHITA, KANSAS 67202
(316) 265-8181

OIL
EXPLORATION

RELEASED

FEB 22 1993

National Petroleum Reserves, Inc.
250 N. Rock Road, Suite 340
Wichita, Kansas 67206

FROM CONFIDENTIAL

RE: Geological Report
NPR #1 Popp, 990'FSL, 1190'FWL
Section 14-T9S-R26W
Sheridan County, Kansas

Gentlemen:

Drilling time was saved on the above-captioned test well from 3500 feet to total depth and samples were examined from 3630 feet to rotary total depth. All measurements were made from a Kelly Bushing elevation of 2660 feet. Electric log surveys were made by Great Guns which included a Radiation Guard Log.

The following formation tops were determined from sample examination and Electric Log interpretation:

<u>FORMATION</u>	<u>SAMPLE</u>	<u>E-LOG</u>	<u>E-LOG DATUM</u>
Anhydrite	2321	2317	+343
Base Anhydrite	2356	2356	+304
Topeka LMS	3668	3668	-1008
Heebner Shale	3880	3879	-1219
Toronto LMS	3902	3902	-1242
Lansing LMS	3918	3918	-1258
Base Kansas City	4144	4148	-1488
Rotary Total Depth	4165	4165	-1505

The following zones of porosity and/or shows were determined from sample examination:

Toronto
3902-3910

Limestone, white, fine crystalline, hard, fossiliferous in part, part cherty, slightly chalky, no porosity, no show

Lansing "A" zone
3918-3933

Limestone, white, cream, tan, fine crystalline, no visible porosity, slight trace dead oil

Lansing "B" zone
3942-3944

Limestone, white, fine crystalline, oolitic to oolitic in part, dense, slight show brown dead oil in one piece

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Lansing "D" zone
3955-3958

Limestone, white, fine crystalline, chalky, some white oolitic, fossiliferous, poor porosity with show light brown dead oil, no free oil

Lansing "F" zone
3992-3997

Limestone, white, cream, fine crystalline in part, oolitic, chalky, no visible porosity, no free oil, slight show dead oil stain, white chert

Lansing "H" zone
4046-4050

Limestone, white, fine crystalline, slight fossiliferous, chert, cream, limestone is poor porosity with sparse very slight show dead oil

Lansing "I" zone
4068-4077

Limestone, light brown, very fine crystalline, sucrosic like, very slight show dead oil

Lansing "J" zone
4087-4090

Limestone, white, fine crystalline, slight fossiliferous, some poor to fair vuggy porosity with show light brown gummy oil, trace free oil with sparse gas bubbles

Lansing "K" zone
4107-4110

Limestone, white, brown, oolitic, poor vuggy porosity with fair amount of dark brown gummy oil, some free oil with few pieces of black dead oil

Lansing "L" zone
4138-4145

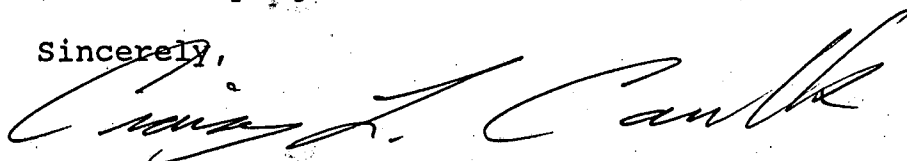
Limestone, tan, light brown, oolitic, dense chalky, no shows, no porosity

DST #1

4056-4129 (Lansing I, J, K)
Times: 15-15-15-15
IFP: 67-57 FFP: 57-57
ISIP: 57 FSIP: 57
Recovery: 5 feet drilling mud

Structurally the #1 Popp ran 7 feet low on the Lansing Kansas City to the Kimbark dry hole in C NW NW of Section 23-9S-26W. Due to no commercial oil recoveries from drill stem test #1 and no indication of commercial oil reserves from the electric log, it was recommended to plug and abandon the #1 Popp.

Sincerely,



Craig L. Caulk

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FEB 22 1993

FROM CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

JAN 17 1992

CONSERVATION DIVISION
WICHITA, KS

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JAN 16

15-179-21027-00-00 CONFIDENTIAL

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EMPHASIS OIL OPERATIONS

FEB 22 1993

P. O. BOX 506

RUSSELL, KS 67665

FROM CONFIDENTIAL

DRILLERS LOG

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

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Popp

WELL #1

LOCATION: 100' E of NE SW SW
Section 14-9S-26W
Sheridan County, Kansas

LOGGERS TOTAL DEPTH: 4165'

ROTARY TOTAL DEPTH: 4165'

COMMENCED: 11/30/91

CASING: 8-5/8" @ 200' w/200 sks cement

ELEVATION: 2660'

COMPLETED: 12/6/91

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

Sand & Shale	90'	Shale & Lime	3620'
Cedar Hills	1929'	Heebner	3867'
Shale	2090'	Toronto	3886'
Anhydrite	2321'	Lansing-Kansas City	3997'
Shale	2359'	R.T.D.	4165'

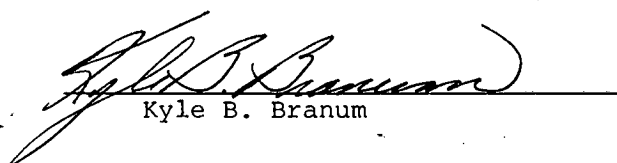
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JAN 17 1992

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

CONSERVATION DIVISION
WICHITA, KS

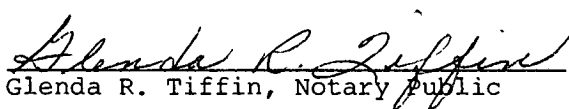
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

Subscribed and sworn to before me on December 9, 1991.

My commission expires: February 6, 1992.

GLEND A. R. TIFFIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-92


Glenda R. Tiffin, Notary Public

ORIGINAL
HALLIBURTON SERVICES

KCC

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

INVOICE

15-179-21027-00-00

A Halliburton Company

JAN 16

CONFIDENTIAL

INVOICE NO.	DATE
208528	12/06/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
POPP 1		SHERIDAN		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
HAYS		EMPHASIS		PLUG TO ABANDON		12/06/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
623541	MIKE HYNES				COMPANY TRUCK	26834

RELEASED

NATIONAL PETROLEUM RESERVES
 250 N. ROCK RD.
 SUITE 340
 WICHITA, KS 67206

DIRECT CORRESPONDENCE TO:
 FIRST OKLAHOMA TOWER
 210 WEST PARK AVENUE
 SUITE 2050
 OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	45	MI	2.60	117.00
090-910	MISCELLANEOUS PUMPING JOB	1	UNT		
030-503	CMTG PLUG LA-11,CP-1,CP-3,TOP	8 5/8	IN	90.00	90.00
504-308	STANDARD CEMENT	120	SK	6.75	810.00
506-105	POZMIX A	80	SK	3.90	312.00
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	7	SK	14.75	103.25
507-210	FLOCELE	50	LB	1.30	65.00
500-207	BULK SERVICE CHARGE	217	CFT	1.15	249.55
500-306	MILEAGE CMTG MAT DEL OR RETURN	410.625	TMI	.80	328.50
INVOICE SUBTOTAL					2,445.30
DISCOUNT-(BID)					489.06-
INVOICE BID AMOUNT					1,956.24
*-KANSAS STATE SALES TAX					80.08
*-HAYS CITY SALES TAX					9.42
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,045.74

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

TERMS 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.



BULK MATERIALS DELIVERY

ORIGINAL AND TICKET CONTINUATION

JAN 16

FOR INVOICE AND TICKET NO. **208528**

15-179-21027-00-00

CONFIDENTIAL

DATE 12-6-91 XXXXXX	CUSTOMER ORDER NO.	WELL NO. AND FARM Popp #1	COUNTY Sheridan	STATE Kansas
CHARGE TO National Petroleum Reserves		OWNER Same	CONTRACTOR Emphasis Drlg.	No. B 942088
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 25525	PREPARED BY K uhn
CITY & STATE		DELIVERED TO S/E Hoxie, Ks	TRUCK NO. 0818	RECEIVED BY <i>John E Becker</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				Oberlin Ks Prices						
				200Cu. Ft. Pozmix Cement 6% Gel						
504-308	516.00261	1	B	Standard Cement	120	XXX			6.75	810 00
506-105	516.00286	1	B	Pozmix 'A' XH	80				3.90	312 00
506-121	516.00259	1	B	3sk Halliburton Gel@2%						n/c
507-277	516.00259	1	B	Halliburton Gel@4%	7				14.75	103 25
507-210	890.50071	1	B	Flocele Blended	50	1b			1.30	65 00

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 CONSERVATION DIVISION
 WICHITA, KS

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
		SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET		
500-207		1	B		217	1.15	249 55
		SERVICE CHARGE			CU. FEET		
500-306		1	B	Mileage Charge	18,250	45	410.625 .80 328 50
			TOTAL WEIGHT	LOADED MILES	TON MILES		
No. B 942088	CARRY FORWARD TO INVOICE					SUB-TOTAL	1,868 30

CUSTOMER

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

15-179-21027-00-00

RELEASED 6

ATTACH TO INVOICE & TICKET NO. 209526

DISTRICT Pratt K2

22 1995

DATE 12-6-91

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 Service Receive (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Pupp SEC. 11 TWP. 9 RANGE 26

FIELD _____ COUNTY Shelton STATE K2 OWNED BY Same

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						
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>		<u>4115</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Plu to Abandon

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:
 - 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.
- 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 loss or 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 a duly authorized executive officer of Halliburton.

AMERICAN OIL & GAS CORPORATION COMMISSION

JAN 7 1992

CONSERVATION DIVISION

SIGNED Mark Hayes CUSTOMER

DATE 12-6-91

TIME 11:50 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



JOB SUMMARY ORIGINAL

HALLIBURTON DIVISION Oklahoma, OK
HALLIBURTON LOCATION Hays, Ks 66501

BILLED ON TICKET NO. 205526

15-179-21027-00-0011

WELL DATA

SEC. 9 TWP. 26 RANG. SKANSKIAL COUNTY Ks STATE

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						
LINER						
TUBING						
OPEN HOLE			7 1/2		4113	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	DATE	DATE	DATE
TIME 11:15	TIME 14:00	TIME 14:30	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
J. Becker	0817	Hays, Ks.
B. Monchman	BT	" "
D. Ash	BT	" "
RELEASED		
2 2 1003		
FROM CONFIDENTIAL		

MATERIALS

TREAT. FLUID DENSITY LB/GAL. API
DISPL. FLUID DENISTY LB/GAL. API
PROP. TYPE SIZE LB.
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

DEPARTMENT Comment
DESCRIPTION OF JOB Plug to Abandon

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X Mike H...
HALLIBURTON OPERATOR John E. Becker COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	2100	LB 410 P... B			2% Gal of 1/2" Floccula	1.62	13.5

PRESSURES IN PSI

SUMMARY

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 HYDRAULIC HORSEPOWER CEMENT SLURRY: BBL.-GAL.
TOTAL VOLUME: BBL.-GAL.

ORDERED AVAILABLE USED
AVERAGE RATES IN BPM
TREATING DISPL. CEMENT LEFT IN PIPE
REMARKS: See Job Log, SP. 1200, etc.
JAN 17 1992
CONCRETE CORPORATION COMMISSION

CUSTOMER: National Pet Res. LEASE: Depp WELL NO.: DATE: 12-1-91

JOB LOG

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:15							Called Out
	14:00							On Loc. w/ 200sk 60-100oz/16" 6.1" 1/4" Florida Spot + Set up Equip - Plan Job
	15:07							Start Pump Cmt @ 2340'
	15:09							Finish Pump Cmt - 25sk Displ 1/2 Rig Pump
	15:43							Start Pump Cmt @ 1380'
	15:48							Finish Pump Cmt - 100sk
	15:49							Displ
	16:16							Start Pump Cmt @ 350'
	16:20							Finish Pump Cmt 40sk
	16:27							Displ
	17:14							Pump 10sk Cmt on Solid Bridge @ 40'
	17:17							Pump 15sk Cmt in Rat Hole
	17:20							Pump 10sk Cmt in Mouse Hole
								Job Complete
								FROM CONFIDENTIAL
								RECEIVED KANSAS CORPORATION COMMISSION JAN 17 1992 CONSERVATION DIVISION WICHITA, KS
								J. Becker 43227 P. [unclear] E2361 D.A. [unclear] 50119

CONFIDENTIAL

RELEASED

2 2 1093

Handwritten signature and initials

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

J. Becker 43227 P. [unclear] E2361 D.A. [unclear] 50119