

ORIGINAL

SIDE ONE

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

Operator: License # 9482

Name: National Petroleum Reserves, Inc.

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

City/State/Zip Wichita, KS 67206

Purchaser: _____

Operator Contact Person: Ted C. Bredehoff

Phone (316) - 681-3515

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Howell Crenshaw

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water supply, etc.)

If ~~DMO~~ old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

12/1/90 12/7/90

Spud Date Date Reached TD Completion Date

API NO. 15- 145-21,347-0000

County Pawnee

C NW SE Sec. 6 Twp. 21S Rge. 15 East West

1980 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

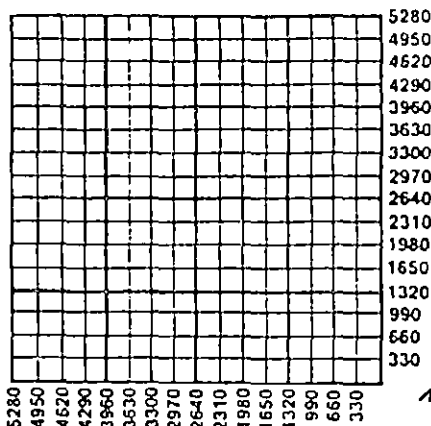
Lease Name Duford Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 1959' KB 1964'

Total Depth 3870' PBD _____



Amount of Surface Pipe Set and Cemented at 966 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 2-1-90

Subscribed and sworn to before me this 1 day of February 19 90.

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 Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

21

SIDE TWO

Operator Name National Petroleum Reserves, Inc. Lease Name Duford Well # 1
 Sec. C Twp. NW Rge. Se East West
 County Pawnee

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td align="center"><input type="checkbox"/> Log</td> <td align="center"><input checked="" type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Heebner</td> <td align="center">3331</td> <td align="center">-1367</td> </tr> <tr> <td>Toronto</td> <td align="center">3348</td> <td align="center">-1384</td> </tr> <tr> <td>Douglas</td> <td align="center">3365</td> <td align="center">-1401</td> </tr> <tr> <td>Brown Lime</td> <td align="center">3427</td> <td align="center">-1463</td> </tr> <tr> <td>Lansing</td> <td align="center">3439</td> <td align="center">-1475</td> </tr> <tr> <td>B/KC</td> <td align="center">3674</td> <td align="center">-1710</td> </tr> <tr> <td>Conglomerate</td> <td align="center">3735</td> <td align="center">-1771</td> </tr> <tr> <td>Arbuckle</td> <td align="center">3812</td> <td align="center">-1848</td> </tr> <tr> <td>RTD</td> <td align="center">3870</td> <td align="center">-1906</td> </tr> </table>	Formation Description				<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample	Name	Top	Bottom	Heebner	3331	-1367	Toronto	3348	-1384	Douglas	3365	-1401	Brown Lime	3427	-1463	Lansing	3439	-1475	B/KC	3674	-1710	Conglomerate	3735	-1771	Arbuckle	3812	-1848	RTD	3870	-1906
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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
<i>Surface</i>	<i>12 1/4</i>		<i>8 5/8</i>	<i>966</i>	<i>HLC</i>	<i>325</i>	
					<i>Common</i>	<i>125</i>	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
Date of First Production	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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perforation <input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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ORIGINAL

15.145.21347.0000

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

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

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Duford

WELL #1

LOCATION: C NW SE
Section 6-21S-15W
Pawnee County, Kansas

APL 15-145-21347

ROTARY TOTAL DEPTH: 3870'

ELEVATION: 1964' K.B.

COMMENCED: 12/1/90

COMPLETED: 12/7/90

CASING: 8-5/8" @ 966' w/325 sks cement

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Sand	60'	Lime & Shale	2800'
Dakota Sand	382'	Lime	3260'
Red Bed	497'	Lime & Shale	3288'
Anhydrite	957'	Lime	3551'
Shale & Red Bed	989'	Lime & Shale	3638'
Shale & Lime	1670'	Lime	3721'
Lime & Shale	1962'	R.T.D.	3870'
Shale & Lime	2228'		

RECEIVED
STATE CORPORATION COMMISSION

FEB 4 1991

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

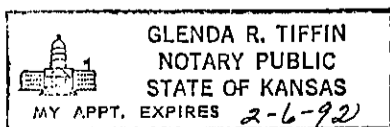
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Kyle B. Branum

Subscribed and sworn to before me on December 13, 1990.

My commission expires: February 6, 1992.



Glenda R. Tiffin

Glenda R. Tiffin, Notary Public

ORIGINAL



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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
15.145.21347.0000 058896	12/01/19'

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
DUFORD 1		PAWNEE		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
GREAT BEND		EMPHASIS DRILLING		CEMENT SURFACE CASING		12/01/19'
ACCT. NO.	CUSTOMER AGENT		VENDOR NO.	CUSTOMER P.O. NUMBER		FILE
623541	BILL OWEN					COMPANY TRUCK 062

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

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	17	MI	2.35	39.95
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	17	MI	.40	6.80
		1	UNT		
001-016	CEMENTING CASING	966	FT	630.00	630.00
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	59.00	59.00
		1	EA		
16A	FULL BORE COLLAR	1	EA	75.00	75.00
830.2171					
504-316	HALLIBURTON LIGHT W/STANDARD	325	SK	5.64	1,833.00
504-308	STANDARD CEMENT	150	SK	5.35	802.50
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	25.75	334.75
507-210	FLOCELE	163	LB	1.30	211.90
500-307	MILEAGE SURCHARGE-CEMENT MAT.	384.78	TMI	.10	38.48
500-207	BULK SERVICE CHARGE	512	CFT	1.10	563.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	384.78	TMI	.75	288.59
	INVOICE SUBTOTAL				4,883.17
	DISCOUNT-(BID)				721.20
	INVOICE BID AMOUNT				4,161.97
	*-KANSAS STATE SALES TAX				148.93
	*-BARTON COUNTY SALES TAX				35.04
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$4,345.94

RECEIVED
STATE CORPORATION COMMISSION
FEB 4 1991
CONSERVATION DIVISION
Wichita, Kansas

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.



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

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
060884	12/07/19

15.145.21347.0000

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
DUFORD 1		PAWNEE		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND		EMPHASIS DRILLING	PLUG TO ABANDON, cement		12/07/19	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE	
623541	BILL OWEN			COMPANY TRUCK	065	

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

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	17	MI	2.35	39.95
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	370.00	370.00
000-118	MILEAGE SURCHARGE-CEMENT-LAND	17	MI	.40	6.80
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	59.00	59.00
		1	EA		
504-308	STANDARD CEMENT	111	SK	5.35	593.85
506-105	POZMIX A	74	SK	2.79	206.46
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	7	SK	13.75	96.25
500-307	MILEAGE SURCHARGE-CEMENT MAT.	143.35	TMI	.10	14.34
500-207	BULK SERVICE CHARGE	199	CFT	1.10	218.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	143.35	TMI	.75	107.51
INVOICE SUBTOTAL					1,713.06
DISCOUNT-(BID)					256.92
INVOICE BID AMOUNT					1,456.14
*-KANSAS STATE SALES TAX					59.24
*-BARTON COUNTY SALES TAX					13.95
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$1,529.33

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CONSERVATION DIVISION
Wichita, Kansas

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