

SIDE ONE

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

API NO. 15- 185-22,638 - 0000

County Stafford
120' E. _____ East
NW NW NW Sec. 31 Twp. 24S Rge. 14 West

Operator: License # 9482

4950 Ft. North from Southeast Corner of Section

Name: National Petroleum Reserves, Inc.

4830 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address 260 N. Rock Rd., Suite 215

Lease Name Sewing Well # 1

City/State/Zip Wichita, KS 67206

Field Name Saterlee

Producing Formation Arbuckle

Purchaser: _____

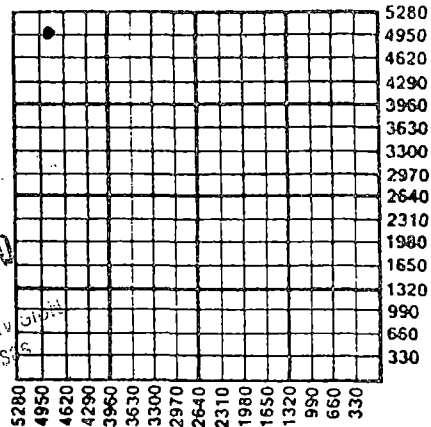
Elevation: Ground 1998' KB 2003'

Operator Contact Person: Ted C. Bredehoff

Total Depth 4444' PBDT _____

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.)

RECEIVED
APR 25 1990
CONSERVATION DIV
Wichita, Kansas

If OWMO: old well info as follows:

Operator: _____

Amount of Surface Pipe Set and Cemented at 283 Feet:

Well Name: _____

Multiple Stage Cementing Collar Used? Yes No

Comp. Date _____ Old Total Depth _____

If yes, show depth set _____ Feet

Drilling Method:

Mud Rotary Air Rotary Cable

If Alternate-II completion, cement circulated from _____

12/30/89

1/8/90

feet depth to _____ w/ _____ sx cmt.

Spud Date _____ Date Reached TD _____ Completion Date _____

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 Ted C. Bredehoff

Title President Date 4/24/90

Subscribed and sworn to before me this 24th day of April, 19 90.

Notary Public Susan E. Bredehoff

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

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Drillers Timelog Received
Distribution
KCC SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
(Specify)

ORIGINAL

SIDE TWO

Operator Name National Petroleum Reserves, Inc Lease Name Sewing Well # 1

Sec. 31 Twp. 24S Rge. 14 East West County Stafford

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p> <p>DST #1 4085-4115 10-10-10-10 Rec: 15' mud Sip: 73-64 Fp: 54-54, 64-64</p> <p>DST #2 4297-4387 30-30-30-30 Rec: 120' GIP, 390' GMCO Sip: 1487-1497 Fp's: 100-146, 174-238</p>	<p align="center">Formation Description</p> <p align="center"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Name</th> <th style="width:25%;">Top</th> <th style="width:25%;">Bottom</th> </tr> </thead> <tbody> <tr><td>Heebner</td><td>3562</td><td>-1559</td></tr> <tr><td>Lansing</td><td>3727</td><td>-1724</td></tr> <tr><td>Base/KC</td><td>4002</td><td>-1999</td></tr> <tr><td>Miss</td><td>4103</td><td>-2097</td></tr> <tr><td>Viola</td><td>4165</td><td>-2162</td></tr> <tr><td>Simpson</td><td>4302</td><td>-2299</td></tr> <tr><td>Arbuckle</td><td>4352</td><td>-2349</td></tr> <tr><td>T.D.</td><td>4444</td><td>-2441</td></tr> </tbody> </table>	Name	Top	Bottom	Heebner	3562	-1559	Lansing	3727	-1724	Base/KC	4002	-1999	Miss	4103	-2097	Viola	4165	-2162	Simpson	4302	-2299	Arbuckle	4352	-2349	T.D.	4444	-2441
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CASING RECORD New 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
	12 7/8	8 5/8"	20#	283'	poz	185	10% salt
	7 7/8	5 1/2"	14#	4443'	poz mix	130	10% salt

PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record
Shots Per Foot	Specify Footage of Each Interval Perforated
2	4353-4359

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

ORIGINAL

HALLIBURTON SERVICES ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
15-185-22638-0000

INVOICE

A Halliburton Company

INVOICE NO.	DATE
835360	01/08/19

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
SEWING 1		STAFFORD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND	EMPHASIS RIG #5	CEMENT PRODUCTION CASING		01/08/19	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE #
623541	W. J. LUCK			COMPANY TRUCK	888

DIRECT CORRESPONDENCE TO:

NATIONAL PETROLEUM RESERVES
250 N. ROCK ROAD STE 340
WICHITA, KS 67206

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	28	MI	2.20	61.60
001-016	CEMENTING CASING	4443	FT	1,100.00	1,100.00
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5 1/2	IN	53.00	53.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	5	EA	44.00	220.00
807.93022					
018-317	SUPER FLUSH	12	SK	74.00	888.00
504-308	STANDARD CEMENT	90	SK	5.35	481.50
606-105	POZMIX A	60	SK	2.79	167.40
509-968	SALT	700	LB	.052	36.40
507-775	HALAD-322	97	LB	5.60	543.20
509-968	SALT NOT BLENDED	300	LB	.052	15.60
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
500-207	BULK SERVICE CHARGE	164	CFT	.95	155.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	199.57	TMI	.70	139.70
INVOICE SUBTOTAL					4,079.20
DISCOUNT-(BID)					652.64
INVOICE BID AMOUNT					3,426.56
*-KANSAS STATE SALES TAX					70.59
*-BARTON COUNTY SALES TAX					16.61
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,513.76

APR 25 1990
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
15-185-22638-0000

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
890056	12/30/71

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
SEWING 1		STAFFORD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
GREAT BEND		EMPHASIS DRILLING	CEMENT SURFACE CASING		12/30/71
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE
623541	HILL OWEN			COMPANY TRUCK	

NATIONAL PETROLEUM RESERVES
250 N ROCK ROAD STE 340
WICHITA, KS 67206

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	A - MID CONTINENT MILEAGE	30	MI	2.20	66.00
		1	UNT		
001-016	CEMENTING CASING	286	FT	395.00	395.00
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	58.00	58.00
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
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	25.75	128.75
500-207	BULK SERVICE CHARGE	195	CFY	.95	185.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	249.42	TMI	.70	174.59
INVOICE SUBTOTAL					1,807.90
DISCOUNT-(BID)					278.38
INVOICE BID AMOUNT					1,529.52
*-KANSAS STATE SALES TAX					46.34
*-BARTON COUNTY SALES TAX					10.91
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,586.77

RECEIVED
STATE PRODUCTION COMMISSION
JUN 25 1990
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.

EMPHASIS OIL OPERATIONS

P. O. BOX 506
RUSSELL, KS 67665

ORIGINAL

DRILLERS LOG

OPERATOR: National Petroleum Reserves, Inc.
260 N. Rock Rd., Suite 215
Wichita, Kansas 67206

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Sewing

WELL #1

LOCATION: 120' E of NW NW NW
Section 31-24S-14W
Stafford County, Kansas

ROTARY TOTAL DEPTH: 4444'

ELEVATION: 2003' K.B.

COMMENCED: 12/30/89

COMPLETED: 1/8/90

CASING: 8-5/8" @ 283' w/185 sks cement
5-1/2" @ 4443' w/130 sks cement

STATUS: Oil Well

DEPTHS & FORMATIONS

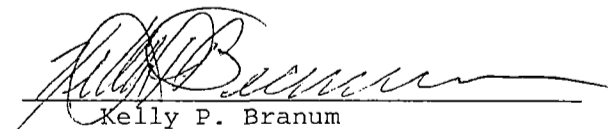
(All measurements from K.B.)

Sand	150'	Shale	1275'
Dakota	420'	Shale & Lime	1855'
Red Bed	470'	Lime & Shale	2164'
Cedar Hills	760'	Lime	4115'
Red Bed	850'	Lime & Shale	4047'
Anhydrite	948'	Lime	4229'
Red Bed	996'	R.T.D.	4444'

STATE OF KANSAS

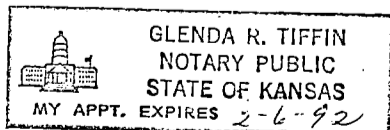
COUNTY OF RUSSELL)

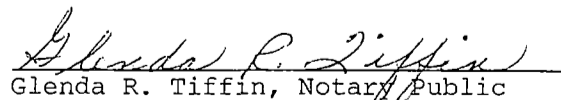
Kelly P. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kelly P. Branum

Subscribed and sworn to before me on January 9, 1990.

My commission expires: February 6, 1992.




Glenda R. Tiffin, Notary Public