

ORIGINAL

SIDE ONE

MAY 20 1991

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

API NO. 15- 101-21,583-00-00

County Lane ✓ KCC
50' W of ✓ East
NE NE NE Sec. 35 Twp. 16S Rge. 29 X West

Operator: License # 9482

4950 ✓ Ft. North from Southeast Corner of Section
380 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Name: National Petro. Reserves, Inc.

Address 250 N. Rock Rd., Suite #340

Lease Name Gill ✓ Well # 4

City/State/Zip Wichita, KS 67206

Field Name Terwilliger North

Producing Formation _____

Elevation: Ground 2799 KB 2804

Total Depth 4610' PBTD _____

Purchaser: _____

Operator Contact Person: Ted C. Bredehoft

Phone (316) -681-3515

Contractor: Name: Emphasis Oil Operations

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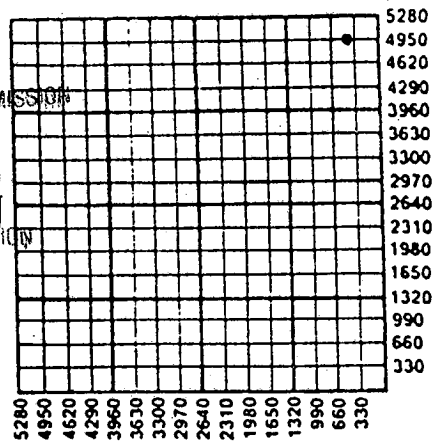
License: 8241

Wellsite Geologist: Dan DeBoer

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

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05-21-1991
CONSERVATION DIVISION
Wichita, Kansas

Oil _____ SWD _____ Temp. Abd. _____
Gas _____ Inj _____ Delayed Comp. _____
X Dry _____ Other (Core, Water Supply, etc.) _____



A1-D Dm

If OWMO: old well info as follows:
Operator: _____

Amount of Surface Pipe Set and Cemented at 204 Feet

Well Name: _____

Multiple Stage Cementing Collar Used? _____ Yes X No

Comp. Date _____ Old Total Depth _____

If yes, show depth set _____ Feet

Drilling Method:
X Mud Rotary _____ Air Rotary _____ Cable _____

If Alternate II completion, cement circulated from _____

4/24/91 5/2/91 5/2/91

feet depth to _____ w/ _____ sx cmr.

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-1 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 5/20/91

Subscribed and sworn to before me this 20th day of May, 19 91.

Notary Public [Signature]
Date Commission Expires _____

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)

P1

SIDE TWO

Operator Name National Petro. Reserves, Inc. Lease Name Gill Well # 4
 Sec. 35 Twp. 16S Rge. 29 East West County Lane

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
Anhydrite	2194	
Heebner	3933	
Lansing	3974	
Stark	4224	
Base, KC	4309	
Lenapah	4326	
Ft. Scott	4472	
Cherokee	4499	
Johnson Zone	5636	
Mississippian	4578	

DST (see attached)

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 casing	12 1/2"	8 5/8"	20	204	60-40 POZ	150	3%; 2%
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Depth			(Amount and Kind of Material Used)
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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

ACO-1(con't.)

15-101-21583 00-00 ORIGINAL

#4 GILL

- DST #1 -(4222-4255); Lansing 'K' zone; 30-30-30-30; 1st open-weak blow built to 7 inches; 2nd open-weak blow built to 5½ inches; recovery: 60' GIP, 60' hocm (40% oil, 60% mud), 60' socwm (2% oil, 60% mud, 38% water), 30' vsocmw (1% oil, 38% mud, 61% water); IFP 84-63; FFP 115-84; FSIP-241; FSIP-241; BHT 114°
- DST #2 -(4254-95); Lansing 'L' zone; 20-30-20-30; 1st open-weak surface blow thru-out; 2nd open-weak surface blow thru-out; recovery: 60' vtmwgso in tool; IFP 65-50; FFP 72-58; ISIP-195; FSIP-195; BHT 114°
- DST #3 -(4302-4407); Lower 'L' zone, Lenapah, Altamont, Marmaton; 1st open-very weak surface blow 15 minutes; 2nd open-very weak surface blow 3 minutes & died; recovery: 10' mwgso in tool; IFP-79-72; FFP 79-72; ISIP-239; FSIP-101; BHT 116°

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506

15-101-21583-00-00

RUSSELL, KS 67665

KCC

MAY 21 1991

DRILLERS LOG

CONFIDENTIAL

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

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Gill

WELL #4

LOCATION: 50' W of NE NE NE
Section 35-16S-29W
Lane County, Kansas

LOGGERS TOTAL DEPTH: 4613'

ROTARY TOTAL DEPTH: 4610'

COMMENCED: 4/24/91

CASING: 8-5/8" @ 204' w/150 sks cement

ELEVATION: 2804' K.B.

COMPLETED: 5/2/91

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

Sand & Shale	285'	Shale	2605'
Dakota Sand	1055'	Heebner	3707'
Shale	1100'	Lansing-Kansas City	3870'
Cedar Hills	1743'	Ft. Scott	4401'
Shale	1943'	Pawnee	4475'
Anhydrite	2198'	Mississippi	4568'
Shale	2225'	R.T.D.	4610'
Shale & Lime	2324'		

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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 May 6, 1991.

My commission expires: February 6, 1992.

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

Glenda R. Tiffin

Glenda R. Tiffin, Notary Public

KCC

MAY 21

15-101-21583-00-00

HALLIBURTON SERVICES

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

CONFIDENTIAL



ORIGINAL

INVOICE NO.	DATE
125030	05/02/91

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
GILL 4		LANE		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
NESS CITY		EMPHASIS	PLUG TO ABANDON		05/02/91
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE
623541	MIKE HYNES			COMPANY TRUCK	14

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	PRICING AREA - MID CONTINENT MILEAGE	45	MI	2.60	117.00
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	370.00	370.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	90.00	90.00
		1	EA		
504-308	STANDARD CEMENT	159	SK	5.45	866.55
506-105	POZMIX A	106	SK	3.00	318.00
506-121	HALLIBURTON-GEL 2%	5	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	9	SK	13.75	123.75
507-210	FLOCELE	66	LB	1.30	85.80
500-207	BULK SERVICE CHARGE	287	CFT	1.15	330.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	545.760	TMI	.80	436.61
INVOICE SUBTOTAL					2,737.71
DISCOUNT - (BID)					547.51
INVOICE BID AMOUNT					2,190.20
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,190.20

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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.