

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

API NO. 15- 179-20,953-00-00 FROM **CONFIDENTIAL**

County Sheridan

C S/2 NW SW Sec. 5 Twp. 10S Rge. 26 East West

1650 Ft. North from Southeast Corner of Section

4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Jones Well # 1

Field Name Valentine (new, application pending)

Producing Formation Lansing, Kansas City

Elevation: Ground 2627' KB 2632'

Total Depth 4380' PBDT _____

Operator: License # 9482

Name: National Petroleum Reserves, Inc.

Address 250 N. Rock Rd., Suite 340

City/State/Zip Wichita, KS 67206

Purchaser: Clear Creek, Inc.

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 **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

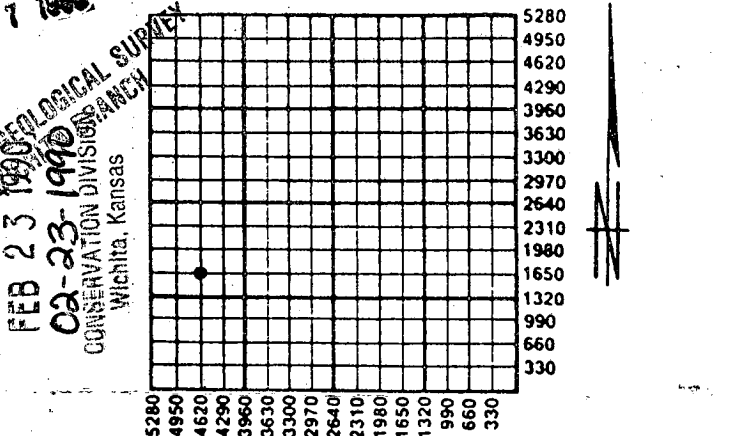
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

1/10/90 1/19/90 2/15/90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 268 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2244 Feet

If Alternate II completion, cement circulated from 2244

feet depth to surface w/ 350 sx cnt.

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/Treasurer Date 2/21/90

Subscribed and sworn to before me this 21st day of February, 19 90.

Notary Public [Signature]

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

Date Commission Expires _____

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

21

CONFIDENTIAL

CONFIDENTIAL

SIDE TWO

Operator Name National Petroleum Reserves, Inc. Lease Name Jones Well # 1

Sec. 5 Twp. 10S Rge. 26 East West County Sheridan

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.)

DST #1(3858-3990)lansing 35'; 30-30-30-30;
1st open wk bl blt 5"; 2nd open wk bl blt
to 5"; recovery: 100' muddy water w/show oil;
IFP 65-58; FFP 79-79; ISIP-1252; FSIP-1238;
BHT 109°

(see attached)

Formation Description		
Name	Top	Bottom
Howard	-922	
Topeka	-986	
Heebner	-1195	
Toronto	-1217	
Lansing	-1238	
Base, KC	-1470	
Pawnee	-1614	
Ft. Scott	-1685	
Cherokee	-1710	

Log Sample

RELEASED
FEB 28 1991
FROM CONFIDENTIAL

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
Surface		8 5/8"	24#	268	40-60 POZ	175	2% gel
Prod casing		4 1/2"	10.5#	4138	standard	100	
		F.O. Cementer @2244/2nd		stage	halite, stand	300/50	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth
3	4062-65	250 gals 15% MCA	
		1500 gal 15% PAD	
3	3997-4001	250 gals 15% MCA	
		1500 gals 15% NE	

TUBING RECORD Size 2" Set At 4065 Packer At 3990 Liner Run Yes No

Date of First Production 2/15/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
80			10		32.3

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 _____

#1 JONES (ACO-1)

Page 2 (continued)

ORIGINAL

FROM CONFIDENTIAL

- DST #2(3901-3948), Lansing 50' & 90'; 30-20-30-30;; 1st open wk bl bldg bottom bucket 13 3/4"; 2nd open wk blow bldg to 10 3/4"; recovery: 250' muddy water with scum oil; IFP 58-94; FFP 115-144; ISIP-1137; FSIP-1152; BHT 125°.
- DST #3(3990-4058) Lansing 140' 160' and 180'; 30-30-45-45; 1st open weak blow bldg bottom bucket 9 minutes; 2nd open-weak blow bldg bottom bucket 9 minutes; recovery: 950' gip, 220' clean gassy oil, 30 ft heavy oil & gas cut mud; IFP 58-79; FFP 94-123; ISIP-1324; FSIP-1281; BHT 121°.
- DST #4(4056-4072), Lansing 200'; 30-30-45-45; 1st open weak blow bldg bottom bucket 8 minutes; 2nd open weak blow bldg bottom bucket 13 minutes; recovery 260' clean gassy oil; 40 ft heavy oil & gas cut mud; IFP 65-94; FFP 115-144; ISIP-1094; FSIP-921; BHT 129°
- DST #5(4319-4380), Ft. Scott & Cherokee; 15-15-15-15; 1st open very weak surface blow; 2nd open weak surface blow, died in 5 minutes; recovery: 15' mud; IFP 58-50; IIFP 50-50; ISIP-65; FSIP-58; BHT 127°

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION

FEB 23 1990

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



HALLIBURTON SERVICES ORIGINAL

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

INVOICE

INVOICE NO.	DATE
863218	02/12/1990

A Halliburton Company
15-179-20953-00-00

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
JONES 1		SHERIDAN		KS	NATIONAL PET. RES.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
OBERLIN		MURFIN DRG. CO.		2nd stage cementing MISCELLANEOUS PUMPING		02/12/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
623541	W.J. LUCK			COMPANY TRUCK	90315	

RELEASED

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

FEB 28 1991

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

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	45	MI	2.20	99.00 ✓
009-134	CEMENT SQUEEZE	2243	FT	907.00	907.00 ✓
009-019		1	UNT		
504-316	HALLIBURTON LIGHT W/STANDARD	300	SK	5.99	1,797.00 *
507-210	FLOCELE	107	LB	1.23	131.61 *
504-308	STANDARD CEMENT	50	SK	6.75	337.50 ✓ *
510-222	SACKED SAND 20/40 & SMALLER	1	SK	8.60	8.60 ✓
500-207	BULK SERVICE CHARGE	350	CFT	.95	332.50 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	624.17	TMI	.70	436.92 *

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



ORIGINAL HALLIBURTON SERVICES

INVOICE

A Halliburton Company

15-179-20953-00-00

INVOICE NO.	DATE
335912	01/10/90

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
JONES 1		SHERIDAN		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
WESS CITY	EMPHASIS	CEMENT SURFACE CASING			01/10/90
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE
623541	JOHN COLLINS			COMPANY TRUCK	88

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



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

2/17/90

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	35	MI	2.20	77.00
001-016	CEMENTING CASING	272	FT	395.00	395.00
030-503	CMTG PLUG LA-11, CP-1, CP	8	5/8 IN	59.00	59.00
504-308	STANDARD CEMENT	105	SK	6.75	708.75
506-105	POZMIX A	70	SK	3.50	245.00
506-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	26.25	131.25
500-207	BULK SERVICE CHARGE	185	CFT	.95	175.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	275.54	TMI	.70	192.88

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 23 1990
 CONSERVATION Division
 Wichita Kansas

ORIGINAL



HALLIBURTON SERVICES

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

INVOICE

INVOICE NO.	DATE
863211	01/19/1990

A Halliburton Company

15-179-2096300-00

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
JONES 1	SHERIDAN	KS	NATIONAL		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
BERLIN	EMPHASIS	CEMENT PRODUCTION CASING	01/19/1990		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
523541	LUCK			COMPANY TRUCK	89169

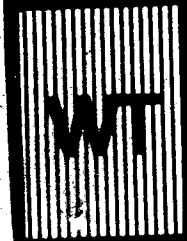
DIRECT CORRESPONDENCE TO:

 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
PRICING AREA	- MID CONTINENT				
000-117	MILEAGE	45	MI	2.20	99.00
		1	UNT		
001-016	CEMENTING CASING	1140	FT	1,067.00	1,067.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	4	1/2 IN	32.00	32.00 *
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	83.00	83.00 *
825.201					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50 *
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	6	EA	41.00	246.00 *
807.93004					
320	CEMENT BASKET 4 1/2"	1	EA	85.00	85.00 *
800.8881					
73	F.O. MULT STAGE CMTR 4 1/2"8RD	1	EA	1,350.00	1,350.00 *
813.0141					
24A	INSERT FLOAT VALVE - 4 1/2"8RD	1	EA	73.00	73.00 *
815.19101					
018-317	SUPER FLUSH	10	SK	74.00	740.00
504-308	STANDARD CEMENT	100	SK	6.75	675.00 *
508-127	CAL SEAL	5	SK	14.90	74.50 *
507-775	HALAD-322	45	LB	5.60	252.00 *
507-970	D-AIR 1, POWDER	25	LB	2.55	63.75 *
509-968	SALT	433	LB	.063	27.28
509-968	SALT	150	LB	.063	9.45
500-207	BULK SERVICE CHARGE	112	CFT	.95	106.40 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	233.39	TMI	.70	163.37 *

15-179-20953-00-00



WIRE-TECH

**RADIATION GUARD
LOG**

COMPANY NATIONAL PETROLEUM RESERVES INC.
 WELL JONES #1
 FIELD W.C.
 COUNTY SHERIDAN STATE KANSAS
 Location C S/2 NW SW
APR 15-179-20953-00-00
 Sec. 5 Twp. 10S Rge. 26W

Other Services:
 DIEL
 CDL
 SWN

Permanent Datum GROUND LEVEL Elev. 2627'
 Log Measured From K.B. 5 Ft. Above Perm. Datum
 Drilling Measured From KELLY BUSHING

Elev.: K.B. 2632'
 D.F. 27'

RECEIVED
 APR 27 1991
 CONSERVATION COMMISSION

Date	1-19-90
Run No.	ONE
Depth—Driller	4380'
Depth—Wire Tech	4381'
Bt. Log Inter.	4380'
Top Log Inter.	3500'
Casing—Driller	8 5/8" @ 268'
Casing—Wire Tech	
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
CHLORIDES	7000 PPM
Dens. Visc.	9.3 58
pH Fluid Loss	9.0 9.4 ml
Source of Sample	FLOWLINE
R _m @ Meas. Temp.	1. @ 54 °F .49 @ 118
R _{m1} @ Meas. Temp.	.72 @ 54 °F .35 @ 118
R _{mc} @ Meas. Temp.	1.4 @ 54 °F .68 @ 118
Source R _{m1} R _{mc}	CHARTS 1
R _m @BHT	.49 @ 118 °F
Time Since Circ.	5 HOURS
Max. Rec. Temp.	118°F @ T.D.
Equip. Location	60 GREAT BEND
Recorded By	W. CURTIS
Witnessed By	H. CRENSHAW

NIGHT HOLE

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-179-20953-00-00
 Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: FEB 21, 1990

Company Lease Well No.
 NATIONAL PETROLEUM RESERVES INC. Jones 1

County Location Section Township Range Acres
 SHERIDAN C-52 NW SW 5 10 26

Field Reservoir Pipeline Connection
 WILDCAT LANS-KC CLEAR CREEK

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At
 2-16-90 4105

Production Method: SPM-8 LS-54 Type Fluid Production API Gravity of Liquid/Oil
 oil 32 @ 60

Flowing (Pumping) Gas Lift Casing Size Weight I.D. Set At Perforations To
 4 1/2 4142 3997 - 4001

Tubing Size Weight I.D. Set At Perforations To
 2 3/8 4065 4062 - 4065

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 1-20-90 Time 10:05 AM Ending Date 1-21-90 Time 10:05 AM 24 Duration Hrs.

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:	Tubing:								
Bbbs./In.	Tank	Starting Gauge			Ending Gauge		Net Prod. Bbbs.		
Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
1.68									
1.68/15									
Pretest:									
Test:	200	2	4	11	6	1			24
Test:	200	H2O	1	0	1	0		0	

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections			Orifice Meter Range					
Pipe Taps:	Flange Taps:	Differential:	Static Pressure:					
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure In.Water	In.Merc.	Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)

Gas Prod. MCFD Oil Prod. Bbbs./Day Gas/Oil Ratio (GOR) = Cubic Ft. per Bbl.

The undersigned Authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 21 day of FEB, 19 90

FEB 23 1990

For Operator
 Conservation
 Wichita, Kansas

Maurice Miller
 For State
 Jeffrey P. Batcher

Shirley Griffey
 For Company