

Trust Heif
not confidential

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

5

API NO. 15-101-21,438-6000 to KCC 12-16-87

County Lane

SW..NE..NW..... Sec. 22 Twp 16 Rge 30 East
X West

4290..... Ft North from Southeast Corner of Section
3630..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

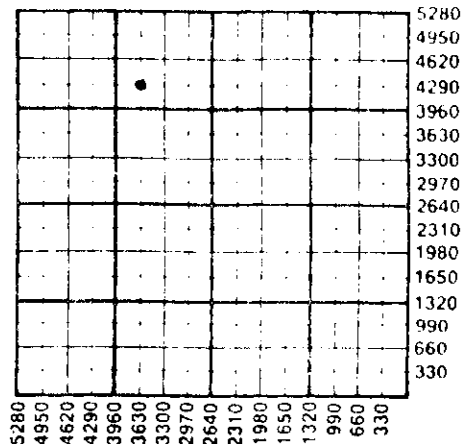
Lease Name..... Cramer Well #..... 1

Field Name..... Wildcat O'CRAMER

Producing Formation..... Lansing Kansas City

Elevation: Ground 2804..... NB 2809

Section Plat



Rec'd
2-10-88

Operator: License # 9482
Name National Petroleum Reserves, Inc.
Address 260 N. Rock Rd., Ste 215
City/State/Zip Wichita, KS 67206

Purchaser Clear Creek, Inc.

Operator Contact Person Ted C. Bredehoft
Phone (316) 681-3515

Contractor: License # 5864
Name Lobo Drilling Company

Wellsite Geologist Dan DeBoer
Phone (316) 682-5610

Designate Type of Completion

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

If ONWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

X Mud Rotary Air Rotary Cable

11/19-87 11/28/87 12-22-87
Spud Date Date Reached TD Completion Date

4575
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 264 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 4575 feet depth to 0 w/ 590 SX cmt
Cement Company Name Halliburton
Invoice # 620101
5-5-88

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T-87-516

X Groundwater 4290 Ft North from Southeast Corner
(Well) 3630 Ft West from Southeast Corner of
Sec 22 Twp 16 Rge 30 East XX West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

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. 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 *J. Bredehoft*
Title Pres/Treas. Date 2/9/88

Subscribed and sworn to before me this 9th day of February 1988...
Notary Public Susan E. Bredehoft
Date Commission Expires 5-13-89

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)

Sec 22 - up 1 page 3000



Kansas Corporation Commission

MIKE HAYDEN GOVERNOR
KEITH R. HENLEY CHAIRMAN
RICH KOWALEWSKI COMMISSIONER
MARGALEE WRIGHT COMMISSIONER
JUDITH MCCONNELL EXECUTIVE DIRECTOR
FRANK A. CARO, JR. GENERAL COUNSEL

DISTRICT # 1
302 W. McArtor
Dodge City, Ks 67801
(316) 225-6760

CONSERVATION DIVISION
SHARI M. FEIST, DIRECTOR
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, KS 67202-1286
(316) 263-3238

February 29, 1988

National Petroleum Reserves, Inc.
260 North Rock Road, Suite 215
Wichita, KS 67206

Re: Alternate II Cement Verification
Cramer #1
SW NE NW 22-16-30W
Lane County
API #15-101-21,438

Dear Sir:

After reviewing the ACO-1 or the intent to drill form submitted on the above captioned well, no information has been released on whether Alternate II cementing has been performed. Either we do not have an ACO-1 for this well, or, if one has been filed, it does not indicate that Alternate II cementing has been done.

Please be aware that the Commission requires this cementing must be done within 120 days of the original spud date of the well. Attention has been brought to this lease either because the time has expired, or become past due. At this time, there is an administrative penalty of \$5000 for failure to comply.

If work has been done, please send a copy of the cement job ticket, bond log, or temperature survey to this office. If cementing has not been done, please contact this office within the next ten days to avoid administrative penalties. Your immediate attention is appreciated.

Sincerely,

Steve Durrant
Steve Durrant
District Supervisor

RECEIVED
STATE CORPORATION COMMISSION

MAY 03 1988

CONSERVATION DIVISION
Wichita, Kansas

mlw 3/4/88

TO: STEVE DURRANT
FROM: NATIONAL PETROLEUM RESERVES, INC.
RE: CEMENT VERIFICATION: Cramer #1

- 1. ACO-1 forwarded to KCC (2-9-88)
- 2. Cement job ticket (Halliburton) enclosed; cemented top to bottom.

IF YOU REQUIRE FURTHER INFORMATION PLEASE ADVISE.



REMIT TO:
P.O. BOX 651046
DALLAS, TX 75265

INVOICE NO.	DATE
620101	11/27/1987

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER
1		LANE		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
WESS CITY		LOBO		CEMENT PRODUCTION CASING	
TICKET DATE		11/27/1987			
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
23541	W.J. LUCK			COMPANY TRUCK	49796

NATIONAL PETROLEUM RESERVES
260 N ROCK ROAD STE 215
WICHITA, KS 67206

Comp
12-27-87

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

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	47	MI	2.10	98.70
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	4560	FT	1,035.80	1,035.80
		1	UNT		
030-016	TYPE 5W ALUMINUM PLUG-TOP	4 1/2	IN	31.00	31.00
		1	EA		
40	CENTRALIZER 4-1/2" MODEL S-4	8	EA	41.00	328.00
807.93004					
320	CEMENT BASKET 4 1/2"	3	EA	85.00	255.00
800.8881					
12A	GUIDE SHOE - 4 1/2" BRD THD.	1	EA	83.00	83.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2"	1	EA	69.00	69.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19111					
504-308	STANDARD CEMENT	325	SK	5.45	1,771.25
506-105	POZMIX A	175	SK	2.88	504.00
506-121	HALLIBURTON-GEL 2%	9	SK	.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	8	%	.74	370.00
		500	SK		
504-308	STANDARD CEMENT	114	SK	5.45	621.30
506-105	POZMIX A	76	SK	2.88	218.88
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-968	SALT	910	LB	.073	66.43
507-145	CFR-2	120	LB	3.70	444.00
507-285	ECONOLITE	900	LB	.80	720.00
507-210	FLOCELE	125	LB	1.21	151.25
500-207	BULK SERVICE CHARGE	703	CFT	.95	667.85
500-306	MILEAGE	1564.982	TMI	.70	1,095.49
	INVOICE SUBTOTAL				8,558.45

RECEIVED
STATE CORPORATION COMMISSION

MAY 05 1988

CONSERVATION DIVISION
Wichita, Kansas

***** CONTINUED ON NEXT PAGE *****

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.

SIDE TWO

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

Sec. 22 Twp. 16 Rge. 30 East West County Lane

WELL LOG

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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Topeka (3703-24)-limestone, cream-white, fair-poor interfossil porosity; 30 units total gas; fair show of free oil in tray; poor show of free oil sample cup, faint odor.	Name	Top	Bottom
	Anhydrite	2190	
	Topeka	3614	
	Heebner	3852	
Topeka (3819-32)-limestone, cream-white, fair inter-crystalline-fossil porosity; no gas show; fair-to-good show of free oil; slight odor, scattered brown stain.	Toronto	3872	
	Lansing	3888	
	Stark	4150	
	Base/KC	4232	
B-Lansing Kansas City (3925-28)-limestone, cream-white occasional good interoid porosity; 6 units gas, fair-to-good show of free oil, fair show of free oil faint odor.	Marmaton	4262	
	Pawnee	4354	
	Ft. Scott	4409	
	Cherokee	4433	
DST #1 Topeka (3813-54); 30-45-45-60; strong blow off bottom bucket 10 min; strong blow off bottom of bucket recovery 837' saltwater; IFP 76-272; FFP 304-424; ISIP 1135-45; FSIP 1124-60.	Johnson zone	4474	
	Mississippian	4511	
DST #2 B-Lansing KC (3912-40); 30-45-45-60; strong blow 10" in bucket; strong blow off bottom of bucket 20 min recovery 290' gas in pipe; 82' clean gassy oil (35° gravity), 124' mud-cut oil, IFP 43-65; FFP 87-109; ISIP 1049-45; FSIP 1017-60 (cont)			

RELEASED

MAR 30 1989

FROM CONFIDENTIAL

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 1/4	8-5/8"	20	264	60/40 poz	160	2%gel, 3% c.o.
Production		4 1/2" used		4559	Econolite	500 & 190	2%gel, 10% salt, 75%CFR-2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	3926 - 3927			250 gals MCA and 500 gals MCA			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2" Set At 4256 Packer at 4123							
Date of First Production 12-22-87	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Estimated Production Per 24 Hours	Oil 24 Bbls	Gas MCF	Water 20 Bbls	Gas-Oil Ratio	Gravity		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

SIDE TWO

(CONT)

H-Lansing KC (4070-73, 4076-82); limestone, white-cream-tan, poor-fair intercrystalline-oolitic porosity; 8 units total gas; very rare piece free oil, no free oil cup, rare stain, no odor.

I-Lansing KC (4116-24), limestone, white-cream, moderately indurated, fair interoolitic-intercrystalline porosity; 14 units gas, poor-fair show of free oil in tray, poor free oil cup, rare stain, no odor.

J-Lansing KC (4138-41), limestone, white-cream-tan, occasional fossils; 14 units gas; vary rare free oil tray; no free oil cup, no odor, very rare stain.

DST #3; H,I,J zones, Lansing KC; (4060-4150); 30-45-45-60; strong blow, 10" in bucket; strong blow off bottom of bucket 40 min; recovery 230' gas in pipe; 258' mud-cut oil; IFP 87-120; FFP 141-174; ISIP 1135-45; FSIP 1114-60.

K-Lansing KC (4161-73); limestone, white-cream, moderately indurated, fair-good intercrystalline and interfossil-oid porosity; 22 units gas; very rare free oil tray; rare free oil in cup; very rare spotty stain, no odor.

DST #4; K,L Lansing KC (4150-4420); 30-30-30-45; strong blow off bottom of bucket 4 min; strong blow off bottom of bucket 6 min; recovery 1208' muddy water with scum of oil; IFP 98-402; FFP 457-597; ISIP 1082-30; FSIP 1082-45.

Cherokee (4449-54); limestone, mottled brown-light grey, poor interoolitic and intercrystalline porosity; no gas show; very poor show free oil in cup; no show of free oil tray, no odor, very rare stain.

Johnson zone (4484-4500); limestone, cream-white, poor interoid intercrystalline, interfossil porosity; 12 units gas; very poor show free oil in cup; rare free oil tray, no odor.

DST #5 Cherokee/Johnson zone (4436-4495); 15-15-15-0; weak blow; died 12 min; no blow; flushed tool, no help; recovery 10' mud; IFP 54-54; FFP 54-54; ISIP 662-15; FSIP test pulled.

FEB 11 1988

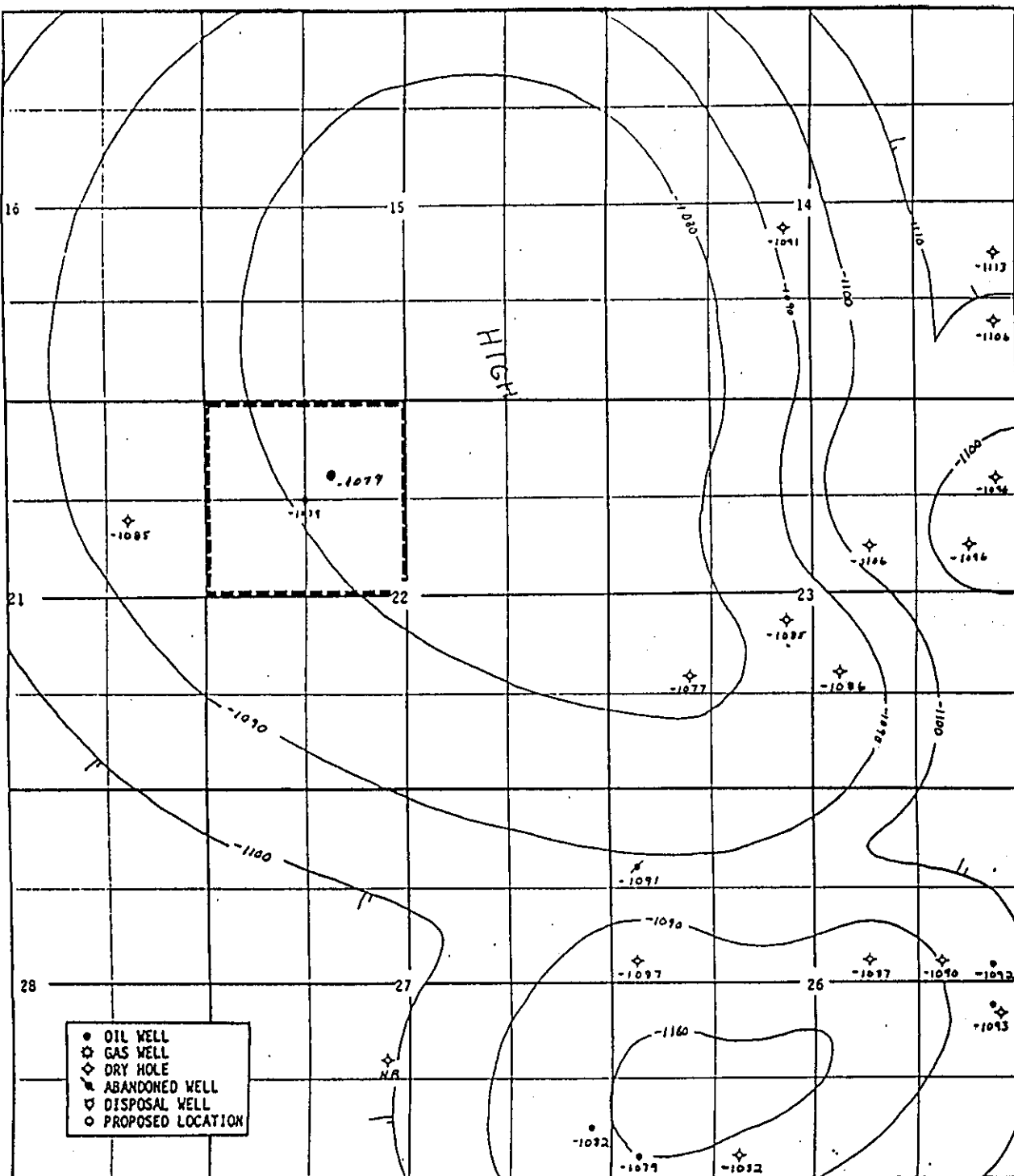
U.S. GEOLOGICAL SURVEY
WASH DC

RELEASED

MAR 30 1989

FROM CONFIDENTIAL

FEB 10 1988



T 16 S

R30W

- | | |
|---|-------------------|
| ● | OIL WELL |
| ○ | GAS WELL |
| ◇ | DRY HOLE |
| ∇ | ABANDONED WELL |
| ▽ | DISPOSAL WELL |
| ○ | PROPOSED LOCATION |

	<p>NATIONAL PETROLEUM RESERVES, INC. Cramer Prospect NW/4, 22-16S-30W Lane County, Kansas</p> <p>LANSING STRUCTURE (10' Contours)</p> <p>GEOLOGIST: DAN DEBOER</p>
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