

COPY 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 # 5447

Name: OXY USA, Inc.

Address P. O. BOX 26100

Oklahoma City, OK 73126-0100

City/State/Zip \_\_\_\_\_

Purchaser: Northern Natural

Operator Contact Person: Raymond Hui

Phone (405) 749-2471

Contractor: Name: Exeter Drilling Company

License: 3098

Wellsite Geologist: Craig Corbett

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OAWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

7-18-90 7-29-90 8-24-90

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21143-0000

County Seward  
approx.

SE/4 NW/4 SE/4 sec. 14 Twp. 32S Rge. 34  East  West

1800 Ft. North from Southeast Corner of Section

1700 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

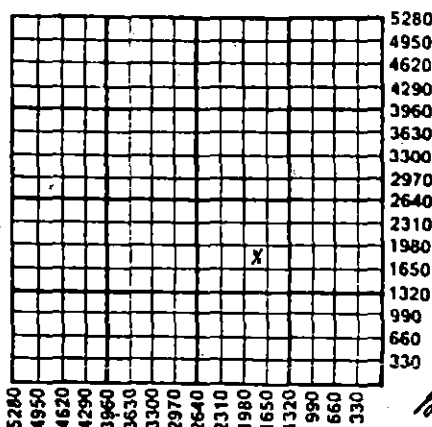
Lease Name Stoner A Well # 3

Field Name Kansas Hugoton Gas

Producing Formation Chase

Elevation: Ground 2872 KB 2883

Total Depth 6450 PBDT 2974



Amount of Surface Pipe Set and Cemented at 1705 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 Vic Tumlinson *[Signature]*

Title Operations Drilling Manager Date 10-15-90

Subscribed and sworn to before me this 15th day of October 19 90.

Notary Public Jessie Adams

Date Commission Expires 4-24-94

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 19 1990  
10-19-90  
CONSERVATION DIVISION  
Wichita, Kansas

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)

ORIGINAL

SIDE TWO

Operator Name OXY USA, Inc.

Lease Name Stoner A

Well # 3

Sec. 14 Twp. 32 Rge. 34

East  
 West

County Seward

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.)

Ran Dual Induction - SFL w/GR & SP;  
Compensated Density/Neutron & Microlog  
and ~~Dipmeter~~.

Set CIBP at 2750'; TOC at 2490'.

Name	Formation Description	
	Top	Bottom
Hollenberg	2582	
Herington	2608	
Krider	2640	
Winfield	2668	
TD		6450'
PBTD		2974

**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
Conductor Pipe	32"	20"		40'	Redi-Mix	4 yd	
Surface	12 1/4"	8 5/8"	24#	1705'	Cl.C	635'sx	6% gel
Production	7 7/8"	5 1/2"	14#	3019'	Cl.	770 sx	2% gel

Shots Per Foot	PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	2588-2592' (4'; 8 shots)	Acidized w/Chase w/5000 gal
	2616-2620' (4'; 8 shots)	15% FE HCL acid
	2646-2650' (4'; 8 shots)	
	2690-2694' (4'; 8 shots)	

**TUBING RECORD** Size 2 3/8" Set At 2588' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_  
W/O Pipeline Connection

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 2588-2694'



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

INVOICE

A Halliburton Company

INVOICE NO.	DATE
014279	07/28/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
STONER A-3		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		EXETER DRLO		CEMENT PRODUCTION CASING		07/28/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
59167	DAVID SIMMONS	E-26			COMPANY TRUCK	99170

OXY USA INC.  
 REGIONAL OFFICE  
 ATT: G. I. MCFARLAND  
 PO BOX 26100  
 OKLAHOMA CITY, OK 73126-0100

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

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-KANSAS STATE SALES TAX				262.18
	*-SEWARD COUNTY SALES TAX				61.70
	<p>9-15 7-135 X 2360.1/724</p> <p>8/1/90</p>				
	<p>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</p>				\$7,921.89



ORIGINAL

INVOICE

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INVOICE NO.	DATE
014279	07/28/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
STONER A-3		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		EXETER DRILLING	CEMENT PRODUCTION CASING		07/28/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	DAVID SIMMONS	E-26		COMPANY TRUCK	99170

OXY USA INC.  
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ATT: G. I. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

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

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE	26	MI	2.35	61.10
		1	UNT		
009-308	PLUG-BACK & CASING JOB COMBO	8	HR	765.00	765.00
000-119	MILEAGE FOR CREW	26	MI	1.25	32.50
		1	UNT		
001-016	CEMENTING CASING	3000	FT	2,045.00	1,045.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	47.00	47.00
		1	EA		
018-315	MUD FLUSH	500	GAL	.45	225.00
314-163	CLAYFIX II	3.5	GAL	20.00	70.00
504-050	PREMIUM PLUS CEMENT	240	SK	7.08	1,699.20
506-105	POZMIX A	240	SK	3.91	938.40
506-121	HALLIBURTON-GEL 2X	8	SK	.00	N/C
504-120	HALL. LIGHT -PREMIUM PLUS	290	SK	6.29	1,824.10
507-145	CFR-2	121	LB	3.75	453.75
507-210	FLOCELE	193	LB	1.30	250.90
507-661	HALAD-4	121	LB	7.00	847.00
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	26.25	236.25
500-207	BULK SERVICE CHARGE	796	CFT	1.10	875.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	828.300	TMI	.75	621.23
504-043	PREMIUM CEMENT	175	SK	6.85	1,198.75
509-406	ANHYDROUS CALCIUM CHLORIDE	2	SK	26.25	52.50
500-207	BULK SERVICE CHARGE	179	CFT	1.10	196.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	332	TMI	.75	249.00
<b>INVOICE SUBTOTAL</b>					<b>11,689.18</b>
<b>DISCOUNT-(BID)</b>					<b>4,091.17</b>
<b>INVOICE BID AMOUNT</b>					<b>7,598.01</b>
***** CONTINUED ON NEXT PAGE *****					

APPX JOB TKT

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.



HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
014255	07/20/199

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
STONER A-3		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		EXETER DR LG. 2		CEMENT SURFACE CASING		07/20/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
559167	DAVID SIMMONS	E-26		COMPANY TRUCK	9862	

OXY USA INC.  
REGIONAL OFFICE  
ATT: G. I. MCFARLAND  
PO BOX 26100  
OKLAHOMA CITY, OK 73126-0100

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

9-1572135 X 2360.1/724

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	27	MI	2.35	63.45
		1	UNT		
001-016	CEMENTING CASING	1709	FT	945.00	945.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8-5/8	IN	100.00	100.00
		1	EA		
504-050	PREMIUM PLUG CEMENT	125	SK	7.08	885.00
504-120	HALL. LIGHT - PREMIUM PLUS	510	SK	6.29	3,207.90
507-210	FLOCELE	159	LB	1.30	206.70
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	26.25	315.00
500-207	BULK SERVICE CHARGE	670	CFT	1.10	737.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	800.677	TMI	.75	606.51
INVOICE SUBTOTAL					7,066.56
DISCOUNT-(BID)					2,119.96-
INVOICE BID AMOUNT					4,946.60
*-KANSAS STATE SALES TAX					180.24
*-SEWARD COUNTY SALES TAX					42.43
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					5,169.27

RECEIVED  
STATE COMMISSION

OCT 19 1990

CONSERVATION DIVISION

AFX JOB-TKT

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.