

ORIGINAL

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- 007-22333 - 00-00

County Barber  
approx. NE/4 NE/4 Sec. 6 Twp. 34S Rge. 13  East  West

Operator: License # 5447

Name: OXY USA, Inc.

Address P.O. Box 26100

City/State/Zip Oklahoma City, OK 73126-0100

Purchaser: Williams Pipeline Company

Operator Contact Person: Raymond Hui

Phone (405) 749-2471

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: Roger Bocken

Designate Type of Completion

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

If OMAO: old well info as follows:

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

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

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

Drilling Method:

- Mud Rotary  Air Rotary  Cable

9-12-90 9-20-90 1-9-91

Spud Date Date Reached TD Completion Date

4620  Ft. North from Southeast Corner of Section

560  Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

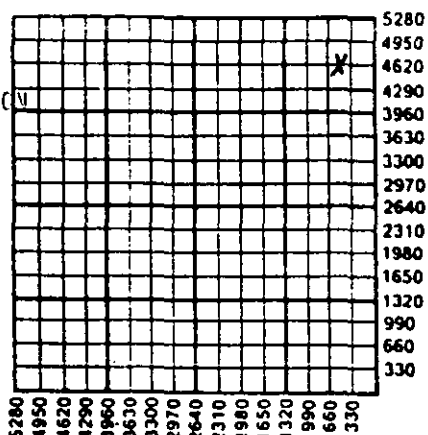
Lease Name Ott B  Well #3

Field Name Aetna

Producing Formation Mississippian

Elevation: Ground 1863' KB 1868'

Total Depth 5080' P8TD 5000'



Amount of Surface Pipe Set and Cemented at 413 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

Title Operations Drilling Manager Date 1-15-91

Subscribed and sworn to before me this 15th day of January, 1991.

Notary Public Kay Ann Palmer

Date Commission Expires 4-16-94

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC  SMD/Rep  NGPA

KGS  Plug  Other (Specify)

2-14-91 FEB 14 1991

OG. CONSERVATION DIVISION  
Wichita, Kansas

Form ACO-1 (7-89)

PI

**SIDE TWO**

Operator Name OXY USA, Inc. Lease Name Ott B Well # 3  
 Sec. 6 Twp. 34S Rge. 13  East  West  
 County Barber

**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.)

Name	Formation Description	
	Top	Bottom
Topeka	3574	4100
Heebner	4100	4280
Lansing	4280	4774
Marmaton	4774	4830
Mississippian	4830	Unknown
TD		5080
PBTD		5000

Ran Z-Densi. Minilog; Compensated Neutron/GR; TBRT/GR.

**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	12 1/4"	8 5/8"	24#	413'	C1.A	275	3% cc
Production	7 7/8"	5 1/2"	15.5#	5061'	50/50 POZ	125	10#/sk Gilson

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Amount and Kind of Material Used	Depth
4	4922' - 40' 4831-58'	Acidized w/2300 gal 10% HCL	4831-4940
		Frac'd w/70000 gal Oval. CO2 foam-pad.	

**TUBING RECORD** Size 2 3/8" Set At 4940' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_  
 Waiting for Pipeline Connection

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-		253 MCFPD	0		

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 4831-4940'



**ORIGINAL HALLIBURTON SERVICES**

A Halliburton Company

INVOICE

INVOICE NO.	DATE
999893	09/20/1990

WELL LEASE NO./PLANT NAME 3 OTT 'B'		WELL/PLANT LOCATION BARBER		STATE KS	WELL/PLANT OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR ALLEN DREIC	JOB PURPOSE CEMENT PRODUCTION CASING		TICKET DATE 09/20/1990
ACCT. NO. 559167	CUSTOMER AGENT DONALD HERMAN	VENDOR NO. E-26	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 01947

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

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE	22	MI	2.35	51.70
		1	UNT		
001-016	CEMENTING CASING	507.1	FT	1,325.00	1,325.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	47.00	47.00
		1	EA		
018-317	SUPER FLUSH	12	SK	74.00	888.00
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	6	EA	44.00	264.00
807.93022					
509-968	SALT	250	LB	.10	25.00
504-308	STANDARD CEMENT	63	SK	5.35	337.05
506-105	POZMIX A	62	SK	2.79	172.98
506-121	HALLIBURTON-GEL 2X	2	SK	.00	N/C
509-968	SALT	650	LB	.10	65.00
508-292	GILSONITE, SACKED	1250	LB	.42	525.00
507-775	HALAD-322	53	LB	5.75	304.75
500-207	BULK SERVICE CHARGE	159	CPT		174.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	139.29	THI		104.47
<b>INVOICE SUBTOTAL</b>					<b>4,501.85</b>
<b>DISCOUNT - (BID)</b>					<b>900.36-</b>
<b>INVOICE BID AMOUNT</b>					<b>3,601.49</b>
<b>*- KANSAS STATE SALES TAX</b>					<b>55.16</b>
***** CONTINUED ON NEXT PAGE *****					

RECEIVED  
STATE CORPORATION COMMISSION  
JAN 16 1991  
CONSERVATION DIVISION  
Wichita, Kansas

AFFIX 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.

HALLBURTON SERVICES

INVOICE

Halliburton Company

ORIGINAL

INVOICE NO.	DATE
999893	09/20/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
3 OTT 'B'		BARBER		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
PRATT	ALLEN DRILL	CEMENT PRODUCTION CASING			09/20/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
659167	DONALD HERMAN	E-26		COMPANY TRUCK	01947

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

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-PRATT COUNTY SALES TAX				12.98
	<i>91572215 X 2360.1 / 724</i>				
		35	006		
		<i>BB BB</i>			
		<i>* Field Bid</i>			
		<i>See attached.</i>			
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$3,669.63

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STATE CORPORATION COMMISSION  
JAN 16 1991  
CONSERVATION DIVISION  
Wichita, Kansas

AFFIX JOB TRK

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.



INVOICE

INVOICE NO.	DATE
000111	09/13/1990

A Halliburton Company

WELL LEASE NO./PLANT NAME PTT H-3		WELL/PLANT LOCATION BARBER		STATE KS	WELL/PLANT OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR ALLEN DRUG	JOB PURPOSE CEMENT SURFACE CASING	TICKET DATE 09/13/1990	
ACCT. NO. 559167	CUSTOMER AGENT DONALD HERMAN	VENDOR NO. E-26	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 0148

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

DIRECT CORRESPONDENCE TO:  
SUITE 1300  
LIBERTY TOWER  
100 BROADWAY AVENUE  
OKLAHOMA CITY, OK 73102-0000

*91572215 X 2360.1724*

PRICE REF. NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000-117	MILEAGE	22	MI	2.35	51.70
001-016	CEMENTING CASING	413	FT	480.00	480.00
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	1	UNT		
40	CENTRALIZER 8-5/8" MODEL S-4	1	EA	59.00	59.00
807.93059					
597	BAFFLE PLATE - 8 5/8"	1	EA	53.00	53.00
825.1269					
504-316	HALLIBURTON LIGHT W/STANDARD	200	SK	5.64	1,128.00
504-308	STANDARD CEMENT	75	SK	5.35	401.25
509-406	ANHYDROUS CALCIUM CHLORIDE	7	SK	25.75	180.25
500-207	BULK SERVICE CHARGE	289	CFT	1.10	317.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	286.55	TMI	.75	214.91
INVOICE SUBTOTAL					2,925.01
DISCOUNT - (BID) 20%					585.00
INVOICE BID AMOUNT					2,340.01
*- KANSAS STATE SALES TAX					79.37
*- PRATT COUNTY SALES TAX					18.66
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					2,438.04

*006*  
*35*  
*Field Bid*