

12/12/90  
RELEASED

SIDE ONE

MAR 0 4 1991

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

129-20988-0000

API NO. 15-

FROM CONFIDENTIAL

County Morton

CNW/4 SW/4 NE/4 Sec. 4 Twp. 32S Rge. 39 X West

Operator: License # 5447

3630 Ft. North from Southeast Corner of Section

Name: OXY USA Inc.

2310 Ft. West from Southeast Corner of Section

Address P. O. Box 26100

(NOTE: Locate well in section plat below.)  
Lease Name (Dunigan A) Well # (A) 6

Oklahoma City, Ok 73126-0100

Field Name East Kinsler

City/State/Zip

Producing Formation Morrow L-1

Purchaser: Citgo & Pepl.

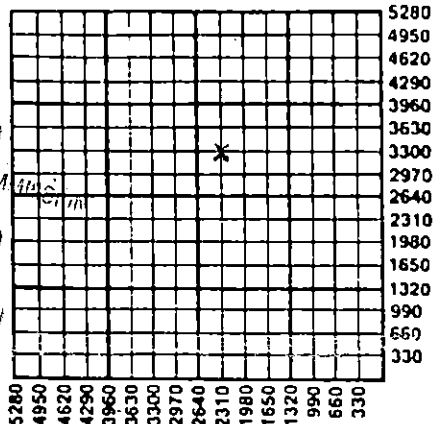
Elevation: Ground 3238 KB 3249

Operator Contact Person: Raymond Hui

Total Depth 6000 PBD 5938'

Phone (405) 749-2471

Contractor: Name: Exeter



License:

Wellsite Geologist: Andrew Howell

Designate Type of Completion

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

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DEC 12 1989  
CONSERVATION DIVISION  
WICHITA, KANSAS

If OWO: old well info as follows:

Operator:

Well Name:

Comp. Date Old Well Depth

Drilling Method:  
 Mud Rotary  Rotary  Cable

6-20-1989 7-1-1989 11-3-1989

Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 1706 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set DV Tools at 3150 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 Bryan Humphries  
Manager Title Engineering Date 12-2-1989

Subscribed and sworn to before me this 7th day of December 19 89.

Notary Public Nancy C. Hawn

Date Commission Expires 8-8-91

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

**SIDE TWO**

Operator Name OXY USA Inc. Lease Name Dunigan A Well # 1  
 Sec. 4 Twp. 32S Rge. 39  East  West  
 County Morton

**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.

RELEASED

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 BHC Sonic w/Caliper & Gamma Ray 1719' to surface. Ran dual induction & long spaced sonic w/caliper & gamma ray to TD 6005'. Ran spect. density/dual spaced neutron/micro. & dipmeter.

Formation Description MAR 0 4 1991

Log  Sample

**FROM CONFIDENTIAL**

Name	Top	Bottom
Anhy.	0	1733'
Lm & Sh.	1723	4400'
Lm	4400	4911'
Lm & Sh.	4911	5355'
Shale	5355	5819'
Lime	5819	6000'
TD		6000'
PBTD		5938'

**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	30"	20"	---	.40'	Grout	3.5 yds	---
Surface	12 1/2"	8 5/8"	24#	1706'	Class C	675 sx	2% CaCl & 1/4 #/sx
Production	7 7/8"	5 1/2"	15.5 & 14#	3152'	Info. list- ed below	*PLS refer to cag.	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	Morrow L-1 from 5525-5529'	2000 gals. Clean #2 diesel	5525-5529'

**TUBING RECORD** Size --- Set At --- Packer At --- Liner Run  Yes  No

Date of First Production 11-3-89 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	55	CAOF 10070	---	35.709	---

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 5525-5529'

\*Production casing information: Pumped 1st stage amt. as follows: 360 sx Cl. H containing 1/4# cello., followed w/255 sx 50/50 Cl. H containing 2% gel. Cemented 2nd stage as follows: pumped 500 gal. WMW-1; 330 sx Cl. C Pacesetter Lite, followed w/525 sx 50/50 Cl. C Poz. containing 2% gel. 5#/sx Thixad.

ORIGINAL

IS: Israel A #6  
WKS: (Dunigan A #1)  
CNW/4 SW/4 NE/4 Sec. 4-32S-39W  
15-129-20,988

	Formation	Top	Bottom
BCA		1726	
Winfield		2436	
Council Grove		2734	
Heebner		3900	
Lansing		4021	
Marmaton		4686	
Morrow Shale		5456	
Morrow Sd.		5506	5530
Morrow Sd.		5850	5881
Chester		5910	

RELEASED  
MAR 04 1991  
FROM CONFIDENTIAL

RECEIVED  
STATE COMMISSION OF MISSOURI

FEB 28 1991

CONSERVATION DIVISION  
MORTGAGE



ORIGINAL

Invoice

5331

TO

OXY USA, INC.  
P.O. BOX 26100  
OKLAHOMA CITY, OKLAHOMA 73126-0100

PLEASE REMIT TO:  
EXETER DRILLING COMPANY  
DEPARTMENT 357  
DENVER, COLORADO 80291

INQUIRIES CONCERNING  
INVOICE REFER TO THE PHONE  
NUMBER AND ADDRESS BELOW

DATE 7/6/89 INVOICE NO. DATE WELL COMPLETED 7/1/89 WELL NO. 0211(89)

TO INVOICE YOU FOR DRILLING CHARGES ON YOUR DUNIGAN "A", SECTION 4-32S-39W MORTON COUNTY, KANSAS.

DAYWORK	HOURS
6-21-89 Rig up Halliburton & run logs	2.50
6-29-89 Circulate f/logs, short trip, trip out	4.00
6-30-89 Finish trip out, logging, trip in hole, circulate f/long string (repair main drive chain 1.75 hours N/C)	21.25
Lay down drill pipe (1.00 hour)	N/C
7-1-89 Continue to lay down pipe, rig up casers, run 5 1/2" casing (7.25 hours)	N/C
Circulate casing, cement, drop D.V. tool, circulate f/2nd stage, cement, set slips, nipple down BOP	10.75
Rig released @ 4:00 p.m.	38.50
38.50 hours @ \$3240 per day	

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MAR 0 4 1991

FROM CONFIDENTIAL

\$ 5,197.50

FOOTAGE

Total depth	6000'	
Less: Height of K.B.	11'	
Conductor hole	29'	
	40'	
	5960' @ \$6.55 per foot	39,038.00
		\$44,235.50

① 7-1571831 x 2360.1 / 718 = 5,197.50  
 " " x 2360.1 / 715 = 39,038.00  
 -----  
 \$ 44,235.50

RECEIVED  
STATE COMMISSION

FEB 28 1991

REGULATION DIVISION



ORIGINAL INVOICE

# The Western Company of North America

P.O. BOX 94480 TULSA, OKLAHOMA 74194 (817) 731-5100

2

ORIGINAL

TO OXY USA INC  
P.O. BOX 26100  
14000 QUAIL SPRINGS PARKWAY  
OKLAHOMA CITY, OK 73126-0100

TERMS  
NET CASH DUE ON OR  
BEFORE 30 DAYS  
AFTER DATE OF INVOICE

FEDERAL I.D. NO. C 75-0763484

<b>INVOICE NO.</b> 322149		<b>PLEASE DISREGARD THIS INFORMATION</b> 65380 12 25 15 1 10 9						7/17/89	
9-1571831 X 2360.1/724		OUR RECEIPT NO. 931644		SERVICES FROM OUR STATION AT PERRYTON CEMENTI		OUR ENGINEER ARRINGTON		SIGNED FOR YOU BY WYLIE	
DATE 07 01 89		FOR SERVING WELL NAME DUNIGAN A 1		COUNTY MORTON		STATE KS		YOUR ORDER NO. E58	
UNITS	CODE	DEPTH AND DESCRIPTION				UNIT PRICE	AMOUNT		
28.0	K1005	MILEAGE CHARGE, PER UNIT, PER MILE				2.200	61.60		
28.0	K1025	MILEAGE AUTO/PICK-UP/TREATING VAN				.800	22.40		
1.0	K2045	CEMENT PUMP TRUCK 5000-7000 FT				1155.000	1,155.00		
10.0	K2045	PLUS PER 100 FT OR FRACT. BELOW 5000				15.000	150.00		
1.0	K2305	MULTIPLE STAGE CEMENTING-1ST 8 HRS				865.000	865.00		
1642.9	M1005	SERVICE CHARGE LAND JOBS PER CU FT				.950	1,560.76		
1909.1	M2305	DELIVERY CHARGE PER TON MILE				.700	1,336.37		
17.0	P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE				25.750	437.75		
14.0	P0827	SODIUM CHLORIDE-TEXAS PANHANDLE				5.200	72.80		
283.0	P1425	CF-2, PER LB				5.550	1,570.65		
364.0	P1715	CELLO-SEAL, PER LB				1.600	582.40		
2625.0	P2035	THIXAD, PER LB				.270	708.75		
1000.0	P3095	WMW-1 FLUSH, PER GAL				.440	440.00		
128.0	P402N	STANDARD CMT, PER SK HUGOTON, KS				7.100	908.80		
389.0	P422N	POZA CMT PER SK HUGOTON, KS				4.350	1,692.15		
263.0	P432N	PREMIUM CMT, PER SK-HUGOTON, KS				7.500	1,972.50		
330.0	P482N	PACESETTER LITE PREMIUM-HUGOTON, KS				7.500	2,475.00		
360.0	P492N	PACESETTER LITE, PER SK -HUGOTON, KS				6.600	2,376.00		
SUB TOTAL							18,387.93		
90200 SALES CONCESSION ON SERVICES							2,942.07-		
99980 BENTONITE 1310# 21.8FT3 NO CHARGE									

RELEASED

MAR 0 4 1991

FROM CONFIDENTIAL

OKLAHOMA CITY E58

BIBL. APPR.		DATE REC'D JUL 19 1989	
CO-GIV-SUP 327-77	LOC-CODE 13 53	JOB DATE	SPL. APT. CO.
S/U TAX	MC	BID	ACCTG. APPR. CASH DISB.

PAY THIS AMOUNT

15,445.86

RECEIVED  
STATE CORPORATION COMMISSION

FEB 28 1991

GENERAL INVESTIGATION DIVISION  
STATE OF KANSAS



ORIGINAL INVOICE

# The Western Company of North America

P.O. BOX 94480, TULSA, OKLAHOMA 74194  
(918) 731-5100

2

TO OXY USA INC  
P.O. BOX 26100  
14000 QUAIL SPRINGS PARKWAY  
OKLAHOMA CITY, OK 73126-0100

TERMS  
NET CASH DUE ON OR  
BEFORE 30 DAYS  
AFTER DATE OF INVOICE

FEDERAL I.D. NO. C 75-0763484

INVOICE NO.  
321447

PLEASE DISREGARD THIS INFORMATION  
65380 12 25 15 1 10 9

7/17/89

DATE		OUR RECEIPT NO.	SERVICES FROM OUR STATION AT	OUR ENGINEER	SIGNED FOR YOU BY
MO.	DAY	YR.			
06	22	89	931641 PERRYTON CEMENTI	ARRINGTON	WYLIE
FOR SERVICING WELL NAME			COUNTY	STATE	YOUR ORDER NO.
DUNIGAN A-1			MORTON	KS	E58
UNITS	CODE	DEPTH AND DESCRIPTION		UNIT PRICE	AMOUNT
28.0	K1005	MILEAGE CHARGE, PER UNIT, PER MILE		2.200	61.60
28.0	K1025	MILEAGE AUTO/PICK-UP/TREATING VAN		.800	22.40
1.0	K2025	CEMENT PUMP TRUCK 1500-3000 FT		875.000	875.00
3.0	K2025	PLUS PER 100 FT OR FRACT. BELOW 1500		4.000	12.00
754.5	M1005	SERVICE CHARGE LAND JOBS PER CU FT		.950	716.78
892.1	M2305	DELIVERY CHARGE PER TON MILE		.700	624.47
15.0	P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE		25.750	386.25
169.0	P1715	CELLO-SEAL, PER LB		1.600	270.40
1.0	P3625	8-5/8 INCH RUBBER PLUG		82.000	82.00
125.0	P432N	PREMIUM CMT, PER SK-HUGOTON, KS		7.500	937.50
550.0	P482N	PACESETTER LITE PREMIUM-HUGOTON, KS		7.500	4,125.00
SUB TOTAL					8,113.40
90260		SALES CONCESSION ON SERVICES <i>REC 16%</i>			1,298.14-

OKLAHOMA CITY *F&P*

DIB. APPR.		DATE REC'D	
		JUL 17 1989	
CO-DIV-SUP	LOC	DE	DUE DATE
327-77	1353		
S/U TAX	MC	S/D	WASH. DISB.
	<i>REC</i>		<i>REC</i>

**PAY THIS AMOUNT** → **6,815.26**

RECEIVED  
STATE CORPORATION COMMISSION

FEB 28 1991

CONSERVATION DIVISION  
Wichita, Kansas