

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

API NO. 15-007-01035-02-02

County Barber

C SW SW Sec. 22 Twp. 33S Rge. 14 X E W

660 Feet from S/X (circle one) Line of Section

660 Feet from X/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
XX, SE, XX or XX (circle one)

Lease Name Harbaugh A Well # 1

Field Name Harbaugh

Producing Formation Mississippi

Elevation: Ground 1680 KB 1689

Total Depth 4840 PBDT 4810

Amount of Surface Pipe Set and Cemented at _____ Feet

Multiple Stage Cementing Collar Used? Yes _____ No

If yes, show depth set _____ DV Tool @ 2506 _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan CB 6-6-94
(Data must be collected from the Reserve Pit)

Chloride content 11000 ppm Fluid volume 2600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 26100

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

Purchaser: Williams Pipe Line Co

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name: Duke Drilling Co

License: _____

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Sunray Mid-Continent Oil Co.

Well Name: Harbaugh A #1

Comp. Date 12/22/58 Old Total Depth 4685

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11/14/93 11/18/93 12/30/93
XXXX Date Date Reached TD Completion Date
Reentry

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Jerry Ledlow

Title STAFF ANALYST Date 3/2/94

Subscribed and sworn to before me this 2nd day of March, 19 94.

Notary Public Sammy L. Redden

Date Commission Expires 8-21-96

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

RECEIVED

Form ACO-1 (7-91) STATE CORPORATION COMMISSION

MAR 07 1994

CONSERVATION DIVISION
Wichita, Kansas

Operator Name OXY USA Inc. Lease Name Harbaugh A Well # 1

Sec. 22 Twp. 33S Rge. 14 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 (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No See Attached Sheet Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run: Z-Densilog Dual Induction Focused Log Minilog	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input type="checkbox"/> Log</td> <td style="width:70%;">Formation (Top), Depth and Datums</td> <td style="width:20%;"><input checked="" type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Heebner</td> <td>3866</td> <td>- 2177</td> </tr> <tr> <td>Douglas</td> <td>3900</td> <td>- 2211</td> </tr> <tr> <td>Lansing</td> <td>4075</td> <td>- 2386</td> </tr> <tr> <td>Base Kansas City</td> <td>4431</td> <td>- 2742</td> </tr> <tr> <td>Mississippi</td> <td>4617</td> <td>- 2928</td> </tr> </table>	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample	Name	Top	Datum	Heebner	3866	- 2177	Douglas	3900	- 2211	Lansing	4075	- 2386	Base Kansas City	4431	- 2742	Mississippi	4617	- 2928
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CASING RECORD <input type="checkbox"/> New <input checked="" 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
Production	7 7/8"	4 1/2"	10.5 & 9.5	4839	See *1 Below		

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				*(1) 1st Stage 260sx 65/35 Poz w/ 6% gel , 1/4 PPS Flocele + 180sx 50/50 Class H Poz w/2% gel, 12% salt, .5% FL-10, 1% cacl , 1/4 PPS Flocele. Open stage collar & circ'd top 2506' Cmt'd top w/600sx Poz w/6% gel & 1/4PPS flocele.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
1	4640-4670, 4689-4696, 4700-4706	Acidized w/2500 gal 15%FE Fract. w/568 bbls wtr & 180 tons CO2 & 100,000# 10/20 Brady sand

TUBING RECORD	Size	Set At	Packer At	Liner Run
			4607	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Flow Testing 12/21/93		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas 400 Mcf	Water 0 Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval 4640 - 4706

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

OXY USA Inc
Harbaugh A #1
Sec 22-33S-14W
Barber County

ORIGINAL

Drill Stem Tests Taken

API#15-007-01035-00-02

DST #1

4635-95
Packers did not seat.

DST #2

More anchor for dst #2 from 4625-4695.
Test Times 15-30-30-60
IHP- 2160, IFP - 104-104, ISIP - 406, FFP -1 104-104,
FSIP 551, FHP - 2149.
Weak blow increasing to strong blow in 8 min on both openings.
Recovered 340' GIP & 80' mud.

RECEIVED
STATE CORPORATION COMMISSION

MAR 07 1994

15007-01035-00-02

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

Refer to 93-2627, Russell, Kansas
de or
Phone 93-5861, Great Bend, Kansas

ALLIED CEMENTING CO., INC.

3625

Home Office P. O. Box 31

Russell, Kansas 67665

New

11/16/93

Date	11/17/93	Sec.	22	Fwp.	335	Range	14W	Called Out	1:00 PM	On Location	4:30 AM	Job Start	12:07 PM	Finish	1:30 PM
Lease	Harbaugh	Well No.	1A	Location				160' Laker City 17M 4 1/2 S 1 W 3 1/2 S 1/2 W 1 S 1/2 E M S Barber				County	Barber	State	KS

Contractor	Duke Drilling Rig #5		
Type Job	4 1/2 2 stage Production Csg		
Hole Size	7 7/8	T.D.	4840
Csg.	4 1/2 10.5#	Depth	4858
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool	D.V	Depth	2506
Cement Left in Csg.		Shoe Joint	33
Press Max.	1100	Minimum	50
Meas Line		Displace	76.7

Owner SAME

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Oxy USA INC

Street P.O. Box 26100

City OKLA City State OKLA. 73126

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. Donald Jensen

Perf.

EQUIPMENT

Pumptrk	No. 266	Cementer	Max Ball
		Helper	JUSTIN HART
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	242	Driver	JOHN KELLEY
Bulktrk	227	Driver	KEVIN BRUNGARDT

CEMENT

Amount 260 SKS 65/35 12% gel 1/4 # F10-5 cal
 Ordered 180 SKS 50/50 29% gel 12% salt 5% FL-10 170 CAL 2 1/4 # F10 500 gal Mud Clean

Consisting of

Common	169 ST.	5.75	971.75
Poz. Mix	181 LB.	3.00	543.00
Gel.	19 gal	7.00	133.00
Chloride	2 gal	25.00	50.00
Quickset	CASE H 90 ST	7.21	648.90
F-10	76 #	6.91	525.16
FL-10	110 #	1.10	121.00
MUD CLEAN	500 GAL	SS Sales Tax	275.00
Handling	SALT 100#	5.25	525.00
	440.	1.00	440.00
Mileage	15		264.00

DEPTH of Job

Reference:	4858 FT Pump Charge	110.00
	15 mi Mileage	33.75
	Sub Total	
	Tax	
	Total	\$ 1134.75

Sub Total	4024.31
Total	3913.31

Remarks: CMT First Stage of 2 stage job with 260 SKS 65/35 12% gel 1/4 # F10-5 cal 180 SKS 50/50 29% gel 12% salt 5% FL-10 170 CAL 2 1/4 # F10-5 cal Drop Plug Displace 76.7 BAB Land Plug open Tool

Floating Equipment

~~TOTAL 5106.66~~

~~Net 1022.21~~

RECEIVED
REGISTRATION COMMISSION

MAR 07 100A

