

FORM MUST BE TYPED

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 # 5447Name: OXY USA Inc.Address P. O. Box 300City/State/Zip Tulsa, OK 74102-0300Purchaser: CitgoOperator Contact Person: Raymond HuiPhone (918) 561-3548Contractor: Name: Cheyenne Drilling Co.License: 5382Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

14-97 5-24-97 7-2-97Spud Date 5-14-97 Date Reached TD _____ Completion Date _____API NO. 15-175-21627County SewardC SE NE Sec. 21 Twp. 31S Rge. 32 E
X W3300 FSL Feet from (S)N (circle one) Line of Section660 FEL Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, (SE) NW or SW (circle one)
(Formerly Harkrader A3)Lease Name Harkrader C Well # 1Field Name Thirty-oneProducing Formation AtokaElevation: Ground 3359 2866 KB -Total Depth 5903' PBTD 5831'Amount of Surface Pipe Set and Cemented at 1638' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set DV Tool at 3137' Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan A.H. 1, 2-16-98 U.C.
(Data must be collected from the Reserve Pit)Chloride content 2400 ppm Fluid volume 600 bblsDewatering 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. _____

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 Raymond HuiTitle _____ Analyst _____ Date 7-15-97Subscribed and sworn to before me this 15th day of JulyNotary Public Elizabeth Kinion ELIZABETH KINIONDate Commission Expires 2-25-2000

K.C.C. OFFICE USE ONLY
 F ☐ Letter of Confidentiality Attached
 C ☒ Wireline Log Received
 C ☐ Geologist Report Received

Distribution
☒ KCC ☐ SLD/Rep ☐ NSPA
☐ KGS ☐ Plug ☒ Other
 (Specify) IS

Form ACO-1 (7-91)

Operator Name OXY USA Inc.Lease Name Harkrader CWell # 1Sec. 21 Twp. 31S Rge. 32☐ EastCounty SEWARD☒ West

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.) See Attached

 Samples Sent to Geological Survey ☒ Yes ☐ No

 Cores Taken ☐ Yes ☒ No

 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)
List All E.Logs Run: Ran Open Hole Logs
☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Morrow	5492	5500

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	1638	Class A	485 sx	
Production	7 7/8"	5 1/2"	14	5858	Class A	1st Stage: 280 sx; 2nd Stage: 330 sx;	
		DV Tool at 3137'					

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

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
4	Atoka 5394-5397	Acidized w/800 gal.	5394-5397
		7 1/2% acid	
		Frac'd w/2892 gal.	
		70% C-0	

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
Date of First, Resumed Production, SWD or Inj. Pump Testing	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Confining
☐ Other (Specify)

 5394
 5397