

ORIGINAL

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

API NO. 15-033-20650

County Comanche

- C -SW - NW Sec. 13 Twp. 31S Rge. 18 X ^E _W

3300 FSL Feet from SX (circle one) Line of Section

4620 FEL Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Pyle A "QWVO" Well # 3

Field Name Wilmore

Producing Formation Mississippi

Elevation: Ground 2047 KB _____

Total Depth 5165 PBDT 5112

Amount of Surface Pipe Set and Cemented at 552 Feet

Multiple Stage Cementing Collar Used? Yes X No _____

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REENTRY JK 11-14-96
(Data must be collected from the Reserve Pit) Alt. 1

Chloride content 1200 ppm Fluid volume 2800 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 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: Jayhawk

Operator Contact Person: Raymond Hui

Phone (918) 561-3548

Contractor: Name: Duke Drilling Co.

License: 5929

Wellsite Geologist: None on site

Designate Type of Completion
____ New Well X Re-Entry ____ Workover

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

If Workover:

Operator: W.L. KIRKMAN, INC.

Well Name: PYLE #1

Comp. Date 7/84 Old Total Depth 4900'

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

4-20-96 4-25-96 5-8-96

REENTRY Date OF Date Reached TD Completion Date

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 Hui

Title Analyst Date 7-18-96

Subscribed and sworn to before me this 18th day of July, 1996.

Notary Public Laura Anne Wells

Date Commission Expires 9-22-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" 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"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

Operator Name OXY USA, Inc. Lease Name Pyle A Well # 3

Sec. 13 Twp. 31S Rge. 18
 East
 West

County Comanche

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.)

Log Formation (Top), Depth and Datums Sample

Name Top Datum
 ReOentry Well - Please refer to original filing.
HEEBNER 4144
LANSING 4326
MISSISSIPPI 4958

List All E.Logs Run:
 Ran Dual Induction W/GR
 and SP; Comp. Neutron-Litho W/PE, GR &
 Caliper

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Surface	12 1/4"	8 5/8"	24	552	Unknown		
Production	7 7/8"	5 1/2"	14	5164	CL A	305	1% cc

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					

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	4966-74
	5025-28	15% NE-FE acid.	
		Acidized w/1500 gal	4066-74
		15 % NE-FE acid.	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	5088'			
Date of First, Resumed Production, SWD or Inj. Pump Testing			Producing Method			
5-8-96			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		130				

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval: 4966'-5028'

ORIGINAL

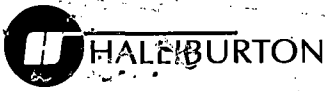
RE: DST; attachment to ACO-1

15-033-20650
-00-01

Pyle A #3
3300 FSL & 4620 FEL
Sec. 13-31S-18W
Comanche County

DST #1 Ran 30-60-45-90 test over Mississippi from 4966 - 5008'. Gas to surface in 9 min. Rate 652 mcfpd at end of initial flow period. Rate 639 and end of final flow period. Recovered 270' water cut mud (30% mud and 70% water). IFP 240-250; ISIP 400; FFP 260-260; psip 400.

RECEIVED
KANSAS CORP COMM
1997 OCT -4 P 12:06
10-4-97



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Mid Cont
Pratt KS

15-033-20650-00-01
BILLED ON TICKET NO. 968272

WELL DATA

FIELD 1100 SEC 13 TWP. 31 RNG. 18 COUNTY Pomanche STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>14</u>	<u>5 1/2</u>	<u>KB</u>	<u>5164</u>	
LINER						
TUBING						
OPEN HOLE			<u>7.48</u>	<u>5164</u>	<u>5165</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4.25</u>	DATE <u>4.25</u>	DATE <u>4.25</u>	DATE <u>4.25</u>
TIME <u>0300</u>	TIME <u>0545</u>	TIME <u>1135</u>	TIME <u>1245</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>5-4</u>	<u>10</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>Swiper</u>	<u>1</u>	<u>"</u>
HEAD <u>Rotating</u>	<u>1</u>	<u>"</u>
PACKER <u>IVW/AF</u>	<u>1</u>	<u>"</u>
OTHER <u>weld-A</u>	<u>1</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cont
DESCRIPTION OF JOB 5 1/2 Production String

NAME	UNIT NO. & TYPE	LOCATION
	<u>191 OCT-4 F 12:07</u>	<u>KANSAS CORP COMM</u>

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Timothy J. Wood

HALLIBURTON OPERATOR D Scott COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>Head</u>	<u>170</u>	<u>Howco Lite</u>		<u>B</u>	<u>6% Gel 1/4" Flocele</u>	<u>1.84</u>	<u>12.7</u>
<u>Tail</u>	<u>160</u>	<u>50-50</u>	<u>Poz</u>	<u>B</u>	<u>2% Gel 12% Salt .5% Halad-322</u> <u>1% CC</u>	<u>1.26</u>	<u>14.4</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 2500

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 41.99 REASON Insert Valve

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 12 & 12 TYPE Drisco & mud Flush

LOAD & BKD: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT BBL.-GAL. _____ DISPL: BBL.-GAL. 125

CEMENT SLURRY: BBL.-GAL. 55.7 + 35.9 = 91.6

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See Job Log

Total pipe = 5168' 14 ppf

FIELD OFFICE

CUSTOMER OK USA Inc

LEASE Pyle

WELL NO. #3

JOB TYPE 5 1/2 Prod String

DATE 4/25/96



JOB LOG HAL-2013-C

DATE 4.25.96 PAGE NO. 1

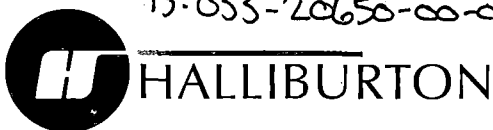
CUSTOMER OXY USA Inc WELL NO. # 3 LEASE Pyle JOB TYPE 5 1/2 Prod String TICKET NO. 968262

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							Called Out
	0545							On loc w/ Trk's Safety mtg Run F.E. & Csg Csg on Bottom Drop Ball & Circ w/ Rig 1 hr Rig up Howco. ORIGINAL
	1136	7	12				375	Pump Desco Flush
	1138	7	12				375	Pump mud Flush
	1140	5	3				200	Pump H2O Spacer
	1145	⊙	12.4 ppg					Plug Rat Hole w/ 15s/ks & mouse Hole w/ 10sk Howco Lite Lead Cmt
	1152	7					325	St mixing lead cmt @ 12.7 ppg
	1202	7	47.6				220	St mixing Tail Cmt @ 14.4 ppg
	1206	⊕	83.5					Total Slurry Finish mixing Cmt
	1207	6	15					Close In wash pump & line
	1208							Release Plug
	1209	9					200	St Disp w/ H2O
	1220		91.5				425	lifting Cmt Decrease Rate
	1226		125				1500	Plug Down & psi Test Csg
	1228						⊕	Release psi Float Held Rotate pipe During Job Good mud Circulation Job Complete Thank you Dave Scott

RECEIVED KANSAS CORP 1997 OCT -4 P 12:07

ORIGINAL

INVOICE



15-033-20650-00-01

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

INVOICE NO.	DATE
968272	04/25/1996

WELL LEASE NO./PROJECT PYLE OWWO A		WELL/PROJECT LOCATION COMANCHE		STATE KS	OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR DUKE DRILLING	JOB PURPOSE CEMENT SURFACE CASING		TICKET DATE 04/25/1996
ACCT. NO. 659167	CUSTOMER AGENT TIMOTHY J. VOSS	VENDOR NO. E-26	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 07145

ORIGINAL

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

DIRECT CORRESPONDENCE TO:
P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	100	MI	2.85	285.00
		1	UNT		
001-016	CEMENTING CASING	5164	FT	1,895.00	1,895.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	60.00	60.00
		1	EA		
018-315	MUD FLUSH	500	GAL	.65	325.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00
825.205					
40	CENTRALIZER-5-1/2 X 7-7/8	10	EA	60.00	600.00
806.60022					
24A	INSERT FLOAT VALVE - 5 1/2"8RD	1	EA	110.00	110.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	69.00	69.00
815.19313					
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	185.00	185.00
350	HALLIBURTON WELD-A	1	EA	16.75	16.75
890.10802					
504-316	CEMENT - HALL. LIGHT STANDARD	170	SK	8.80	1,496.00
507-210	FLOCELE	43	LB	1.65	70.95
504-130	CEMENT - 50/50 POZMIX STANDARD	160	SK	7.45	1,192.00
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	36.75	36.75
507-775	HALAD-322	65	LB	7.00	455.00
507-210	FLOCELE	40	LB	1.65	66.00
509-968	SALT	800	LB	.15	120.00
500-207	BULK SERVICE CHARGE	350	CFT	1.35	472.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	740.675	TMI	.95	703.64

INVOICE SUBTOTAL

8,279.59

RECEIVED
KANSAS CORPORATION
MAY 01 1996
MAY 01 1996

***** CONTINUED ON NEXT PAGE *****

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.