

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

API NO. 15- 147-20550 ⁰⁰⁻⁰⁰

ORIGINAL

County Phillips

 - NW - SE - SW Sec. 32 Twp. 5S Rge. 20 X ^E _W

990 Feet from S (circle one) Line of Section

1650 Feet from E (circle one) Line of Section

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

Lease Name Johnson B Well # 18

Field Name Ray

Producing Formation Reagan Sand

Elevation: Ground 2184 KB 2186

Total Depth 3655 PBDT

Amount of Surface Pipe Set and Cemented at 363 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 DAH 1-2-99

(Data must be collected from the Reserve Pit)

Chloride content 1450 ppm Fluid volume 150 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:

Operator Contact Person: Jerry Ledlow

Phone (405) 749-2309

Contractor: Name: Albercrombie RTD

License: 30684

Wellsite Geologist: Bill Keller

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:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

4/21/93 4/27/93 4/27/93

Spud Date 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 [Signature] Vfc Tumlinson

Title DRILLING OPERATIONS MANAGER Date

Subscribed and sworn to before me this 19 day of May, 19 93.

Notary Public [Signature]

Date Commission Expires August 21, 1996

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC SWD/Rep RECEIVED

KGS Plug Other (Specify) MISSION

MAY 27 1993

5-27-93

SIDE TWO

Operator Name OXY USA Inc. Lease Name Johnson B Well # 18

Sec. 32 Twp. 5S Rge. 20 East West
 County Phillips

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.)

List All E.Logs Run:
 Micro Spectral,
 Density Dual Spaced Neutron II

Log Sample

Name	Top	Datum
Topeka	3147	- 958
Plattsmouth	3251	-1062
Heebner	3295	-1106
Toronto	3233	-1134
Lansing	3337	-1148

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	363	Std.	270	3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth

TUBING RECORD

Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. _____ 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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) D & A

Production Interval _____

DISTRICT Oberlin, Ks

DATE 4-21-93

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Oxy USA Inc (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 18 LEASE Johnson B SEC. 32 TWP. 5s RANGE 20w

FIELD _____ COUNTY Phillips STATE Ks OWNED BY Oxy USA Inc

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS _____ FROM _____ TO _____						
PACKER: TYPE _____ SET AT _____						
TOTAL DEPTH <u>375'</u> MUD WEIGHT _____						
BORE HOLE <u>12 1/4"</u>						SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF _____						
	CASING	<u>NS</u>	<u>24.0</u>	<u>8 5/8"</u>	<u>K/B</u>	<u>363'</u>
	LINER					
	TUBING					
	OPEN HOLE					
	PERFORATIONS					
	PERFORATIONS					
	PERFORATIONS					

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cmt, 8 5/8" Surface Casing, 270 sks Std. Cement, 390 CC.
1/4 lb Floccle as directed

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- To pay Halliburton in accordance with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default, 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 attorneys 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.
- To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees and costs of defense to the extent permitted by law for:
 - Damage to property, owned by, in the possession of or leased by Customer and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The well owner shall include working and royalty interest owners.
 - Reservoir formation or well loss or damage subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage, including, but not limited to, damage to the reservoir formation or well, or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton negligence, strict liability or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether the preparation, design, manufacture, distribution or marketing thereof or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them.
- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials nor the results of any treatment or service nor the accuracy of any chart, interpretation, research, analysis, log recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in the event of a claim, whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect or consequential damages.
- That Customer shall at its risk and expense attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND HEREBY CERTIFY THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER **MAY 27 1993**

DATE 4/21-93

TIME _____ A.M. P.M.

RECEIVED
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON DIVISION Oklahoma City
HALLIBURTON LOCATION Oberlin, Ks

BILLED ON TICKET NO. 222877

FORM 2025

WELL DATA

FIELD _____ SEC. 32 TWP. Ss RND. 20w COUNTY Phillips 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 12 1/4" Hole TOTAL DEPTH 375'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>24.0</u>	<u>8 5/8"</u>	<u>KB</u>	<u>363'</u>	
LINER						
TUBING						
OPEN HOLE						<u>ORIGINAL</u> SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4 . 8 5/8"</u>	<u>3ea</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>CP-1 . 8 5/8"</u>	<u>1ea</u>	<u>"</u>
HEAD		
PACKER		
OTHER		

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 _____

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>4-21-93</u>	<u>4-21-93</u>	<u>4-21-93</u>	<u>4-21-93</u>
TIME <u>1630</u>	TIME <u>2000</u>	TIME <u>2310</u>	TIME <u>2345</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. Dolan</u>	<u>40085</u>	<u>Oberlin Ks</u>
<u>H. Berry</u>	<u>P.U. 3579-RCM</u>	<u>"</u>
<u>E. Reynolds</u>	<u>HT-400 50/81 Bulk</u>	<u>"</u>

DEPARTMENT Cmt + Bulk

DESCRIPTION OF JOB Cmt 8 5/8" Surf Cong

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

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>270</u>	<u>Std</u>		<u>Reg</u>	<u>B</u>	<u>38CC. 1/4lb Flocele</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET 20' CEMENT LEFT IN PIPE _____ REASON Requested

SUMMARY H2O PRESLUSH BBL. GAL. 3

VOLUMES

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

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 22

CEMENT SLURRY BBL.-GAL. 563/4

TOTAL VOLUME BBL.-GAL. 813/4

REMARKS See Job log + Chart

RECEIVED STATE CORPORATION COMMISSION

MAY 27 1993

CONSERVATION DIVISION Wichita

HALLIBURTON SERVICES
JOB LOG

WELL NO. 18 LEASE Johnson B TICKET NO. 222877
 CUSTOMER Oxy USA Inc PAGE NO. 1
 JOB TYPE Cmt Surf Csg DATE 4-21-93

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							On loc., Rig Crew Dring 12 1/4" Hole, Set up eq.
	2015							Finish hole - 375', Circulate - Trip drill pipe - Circulate -
	2135							Start out of hole with drill pipe
	2150							Drill pipe out - Rig up & run 8 5/8" Csg
	2310							Csg on bottom - Rig up Plug Container to mud pump
	2315							Break Circ - Rig Pump
	2325							Finish Circ - Hook up to Truck
	2328	3					200	St H ₂ O Ahead
	2329	6	3 H ₂ O				300	St 270 sks Std. 390cc - 1/4 lb. Flocele
	2339	—	5 3/4 Cmt				—	Finish Cmt - Shut Down
	2340	5					100	Release Plug - Start Disol
	2345	—	22 H ₂ O				200	Plug down - Close Manifold
								"5 Bol Cmt Circ"
								Job Complete
								"Thank You"
								Scott, Harold + Eldon