

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

Operator: License # 5447

Name: OXY USA Inc.

Address P. O. Box 300

City/State/Zip Tulsa, OK 74102-0300

Purchaser: PEPL

Operator Contact Person: Raymond Hui

Phone (918) 561-3548

Contractor: Name: Cheyenne Drilling Co.

License: 5382

Wellsite Geologist: None on site

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: Mohawk Energy Corp.

Well Name: #1-30 Hitch

Comp. Date 5/80 Old Total Depth 6240'

Deepening Re-perf. Conv. to Inj/SWD

Plug Back 2812 PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

4-3-1996 4-10-1996 4-26-96

Date of REENTRY Date Reached TD Completion Date

API NO. 15-175-204690001

County Seward

C - SW - SW - SW Sec. 30 Twp. 32S Rge. 34 X ^E

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

660 FWL Feet from YW (circle one) Line of Section

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

Lease Name Hitch A Well # 2

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2942' KB _____

Total Depth 6240' PBDT 2812'

Amount of Surface Pipe Set and Cemented at 1037' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan REENTRY JH 5-16-97
(Data must be collected from the Reserve Pit)

Chloride content 1800 ppm Fluid volume 2500 bbls

Deaerating method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name 10-8-1997

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 Hui

Title Analyst Date 7-8-96

Subscribed and sworn to before me this 8th 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 Hitch A Well # 2
 Sec. 30 Twp. 32S Rge. 34 East County 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hollenberg	2602	353
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Herington	2628	327
		Krider	2654	301
		Winfield	2708	247
		Towanda	2758	197

List All E.Logs Run: Ran Dual Spaced Neutron Gamma Collar Log.

CASING RECORD <input 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	1037		700	
Production	7 7/8"	5 1/2"	14	2812	MidCon	300	1/2# sx Flo

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	Spotted	50sx CL H cmt at 3000'		3% CaCl ₂

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	
	2	2602-2608; 2632-2635; 2656-2660;	Acidezied w/1800 gal 7 1/2" HCL	
	2670-2673; 2714-2716	Frac'd w/42500 gal 25 ppg		
		Borate gel		

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2728'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. Pump Testing	<u>5-19-96</u>	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil <u>8bls.</u>	Gas <u>170 MCG</u>	Water <u>8bls.</u>	Gas-Oil Ratio <u>Gravity</u>

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

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

Production Interval: 2602' - 2635'
2656' - 2673'
2714' - 2716'

WSN: 44981	HITCH A 2 (KS)	Drilling: 04/16/96
Job : D &E Flag:		
ORIGINAL		
Sidetrack :	Days on Location:	15-175-20469-0001
Days Since Spud:	Depth Today TVD :	
Depth Today MD :		
Amt Drilled MD :		
Total Depth MD :		
PlugBackTD MD : 2812		
Perforations : 2602	to : 2749	
Mud Weight :	Mud Viscosity :	
Mud PH Factor :	Mud Water Loss :	
Mud Filter Cake:	Mud Chlorides :	
Mud Solids % :	Mud LCM :	
Last Casing Sz : 5.5	Last Casing Dpth: 2812	
Pres Oper: PREARING TO FRAC		
Formation: CHASE		
Summary : 4/1/96 SEDCO STAKE LOCATION. 4/3/96 LUCK DIRT BUILT LOCATION. MIRU CHEYENNE RIG #2 WASH DOWN 7 7/8 " TO 3000'. CICR HOLE CLEAN. SPOT 50 SX CLASS OF CLASS H CEMENT. LD DP. TIH W/ 68 JTS 5.5 14# CSG. TT=2818'. CEMENTED W/ 200 SXS MIDCON 2 CONATAINING 1/2# SX FLOCEL MIXED @ 11.1 PPG 3.22 CU FT/SX. TAILED IN W/ 100 SXS DENSIFIED MIDCON MIXED @ 13.2 PPG & 1.84 CU/FT. DID NOT CIRCULATE CEMENT. PLUG DOWN @ 20:50HRS. 4/10/96 RELEASED RIG. MIRU HLS RUN CASED HOLE NETURON CASING COLLAR LOCATOR & GAMRAY LOGS.		
Daily Well Cost: \$27802	Cumulative Cost: \$27802	AFE Cost: \$
CMIC : J SLATTEN		

To: Raymond Hui -

From: Adita

This was a washdown job.

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 1997 MAY 16 12:39



HALLIBURTON ENERGY SERVICES

APR 28 1997 16:27

CHARGE TO: Oil U.S.A.
 ADDRESS:
 CITY, STATE, ZIP CODE:

ORIGINAL

TICKET

No.

920040 - 0

PAGE 1 OF 2

APR. 28. 1997 3:28PM

HAL-1806-41	WELL/PROJECT NO. <u>2</u>	LEASE <u>Hatch A.</u>	COUNTY/PARISH <u>SEWARD</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>4-10-96</u>	OWNER <u>Same</u>
SERVICE LOCATIONS	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Chelyenne Delp</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA <u>Yes</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.
1. <u>025540 Cressel</u>	<input type="checkbox"/> SALES						
2. <u>025535 Hupston</u>							
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	<u>02</u>	<u>22</u>	<u>675</u>		<u>15175204690001</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	OF							
000-117				405	MILEAGE	1	0	44	m	2.85	125.40
000-119					CREW MILEAGE	1	0	44	m	1.50	66.00
001-016					Pump CHARGE	6	HA	2846	FT		1455.00
009-308					PLUG BACK CHARGE	8	TO 16				1630.00
030-018				405	5 INCHER TOP PLUG	5 1/2	IN	1	EA		65.00
12A	825-203			32	REG GUIDE SHOE	5 1/2	IN	1	EA		121.00
24A	815-19251				INSERT FLOAT	5 1/2	IN	1	EA		110.00
27	815-19311				FILL ASSEMBLY	5 1/2	IN	1	EA		69.00
40	806-60022			32	CENTRALIZER'S	5 1/2	IN	10	EA	60.00	600.00
320	806-71430			22	CANNAS GMT BASKET	5 1/2	IN	1	EA		104.00
314-163				405	CLAY FIX II	1	QA	3	EA	28.00	84.00
218-517				405	550-21 m	1	QA	3	EA	27.50	82.50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE VIAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK _____ DEPTH _____

BEAN SIZE _____ SPACERS _____

TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____

TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____

TREE CONNECTION _____ TYPE VALVE _____

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UN-DECIDED DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS? AGREE UN-DECIDED DIS-AGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY? AGREE UN-DECIDED DIS-AGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? AGREE UN-DECIDED DIS-AGREE

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4511.90
FROM CONTINUATION PAGE(S)	7,721.81
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	12,233.71
	7364.14

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket:

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) Russ Croven CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X HALLIBURTON OPERATOR/ENGINEER Robert Elam EMP # D14360 HALLIBURTON APPROVAL Amel Nuchter 40.5

RECEIVED KANSAS CORP COMM 1997 MAY 16 12:10

PAGE 002

NO. 131 P. 2



JOB LOG HAL 2013-C

CUSTOMER		WELL NO.	LEASE	JOB TYPE	TICKET NO.
Oxy U.S.A.		2	NEXEN A	Plus Back Lead Sealer	926040
CHART NO.	TIME	VOLUME (BBL/GAL)	PUMPS T. C.	IN. PRESSURE (PSI) TUBING CASING	DESCRIPTION OF OPERATION AND MATERIALS
	09:00				Called out Ready 12:00
	12:05				on loc 12:05 Rig L.O.P.P
	13:20	3.3		50	START Plus Back H ₂ O Ahead
	13:23	5.25		50	START Cmt @ 15.1 #/gal
	13:25	3.5		400	START Mud Behind
	13:26	7.5		100	START Mud
	13:31			1100	SHOT Down
	13:30				Pull O.P. Lead Down to 150' 192'
	13:44				Circulate Hole with Rig
	14:15				Log Down Drive Pipe
	15:45				T.H. Collar & Rest on Drive Pipe
	16:00				C.O.D.C
	17:00				Log Down Rat & Mouse
	17:30				Rig up Casers
	18:00				START Casg
	19:25				Casg on Bottom
	19:30				Hook up Circ with Rig
	19:45				SAFETY MEETING
	19:55	6			Plus Rat & Mouse Holes
	20:00				Pressure Test Case
	20:07	2.5		100	START Mud Flow
	20:14	6.35		100	START Lead Cmt @ 11.1 #/gal
	20:28	6.56		100	START Tail Cmt @ 13.2 #/gal
	20:33			0	SHOT Down
	20:34				Drop Plug / Wash Pumps & Lines
	20:37	5.3		100	START Displacement
	20:50			500	Plug Down
	20:51			1200	Release Back / Start Hoisting
				0	Job Complete
					Circulated to Pit
					10 BBLs
					17.4 SKs
					THANK YOU FOR CALLING
					HALLIBURTON
					ROBERT & CREW

ORIGINAL

FIELD OFFICE

APR 28 '97 16:28

PAGE.004

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1997 MAY 16 P 12:40

WELL DATA
 FIELD _____ SEC 30 TWP 32S RNG 24W COUNTY Sevier 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 PER ALLOWABLE
CASING	<i>N</i>	<i>14</i>	<i>5 1/2</i>	<i>12.8</i>	<i>2846</i>	
LINER						
TUBING						ORIGINAL
OPEN HOLE			<i>7 7/8</i>	<i>6.2</i>	<i>6364</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS			<i>Plug Back</i>	<i>2920</i>	<i>3095</i>	

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT OPERATOR <i>INSERT W/FILL</i>	<i>1</i>	<i>H</i>
FLOAT SHOE		<i>O</i>
GUIDE SHOE <i>REG</i>	<i>1</i>	<i>W</i>
CENTRALIZERS <i>S-4</i>	<i>10</i>	<i>C</i>
BOTTOM PLUG		<i>N O</i>
TOP PLUG <i>S-NIPER</i>	<i>1</i>	<i>O</i>
HEAD <i>QCPC</i>	<i>1</i>	<i>W</i>
PACKER		<i>C</i>
OTHER <i>Cont BASKET</i>	<i>1</i>	<i>O</i>

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>4-10-96</i>	DATE <i>4-10-96</i>	DATE <i>4-10-96</i>	DATE <i>4-10-96</i>
TIME <i>09:00</i>	TIME <i>12:03</i>	TIME <i>13:20</i>	TIME <i>20:51</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Elwood</i>	<i>38240</i>	<i>Lizard</i>
<i>D. Magruder</i>	<i>52276</i>	<i>"</i>
<i>S. PATER</i>	<i>4461</i>	<i>"</i>
<i>G. 9613</i>	<i>75303 (B)</i>	<i>Hickory</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 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 _____

DEPARTMENT *Goal Cont*
 DESCRIPTION OF JOB *5th Plug Back Lizard*
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE *X*
 HALLIBURTON OPERATOR *Robert Elwood* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
<i>Plug Back</i>	<i>50</i>	<i>Premium</i>		<i>B</i>	<i>1/2 HR-5</i>	<i>1.18</i>	<i>15.6</i>
<i>Lizard</i>	<i>200</i>	<i>M.C. P^r</i>		<i>B</i>	<i>2% C.C., 1/4% Epoxide</i>	<i>3.22</i>	<i>11.1</i>
	<i>100</i>	<i>M.C. P^r</i>		<i>B</i>	<i>2% C.C., 1/4% Epoxide</i>	<i>1.84</i>	<i>13.2</i>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN INSTANT _____ 5-MIN. _____ 10-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET *14.5* REASON *SUCK JUMP*

SUMMARY

PRESLUSH: BBL-GAL. *10* TYPE *Displacement*
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. *62.5*
 CEMENT SLURRY: BBL-GAL. *125 + 100 = 225*
 TOTAL VOLUME: BBL-GAL. _____

REMARKS

*Displacement 3 gal 500 LHM
 3rd Class Exp II
 12 BE 6*

FORM 2025-R4 FIELD OFFICE

APR 28 '97 16:29

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 1997 MAY 16 12:10
 PAGE.005

O.K. U.S.A.
 LIZARD
 WELLS NO. 2
 JOB TYPE: Plug Back Lizard
 4-10-96