

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

API NO. 15- 163-23208 - 00-00

County Rooks
APPROX: NW SE SW NE Sec. 27 Twp. 9S Rge. 19 X E

Operator: License # 5447

CONFIDENTIAL

Name: OXY USA INC.

Address P.O. BOX 26100

City/State/Zip OKLAHOMA CITY, OK 73126-0100

Purchaser: Citgo

Operator Contact Person: RAYMOND HUI

Phone (405) 749-2471

Contractor: Name: Abercrombie Drilling Co.

License: _____

Wellsite Geologist: William Keller

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, VSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Plug Back _____ PSTD

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) Docket No. _____

8-20-92 8-26-92 9-24-92

Spud Date Date Reached TD Completion Date

3049 Feet from S/W (circle one) Line of Section

1720 Feet from E/W (circle one) Line of Section

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

Lease Name Bartos A Well # 6

Field Name Zurich Townsite

Producing Formation Arbuckle

Elevation: Ground 2205' KB 2210'

Total Depth 3722' PSTD 3649'

Amount of Surface Pipe Set and Cemented at 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set DV Tool at 1599 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ SX cat.

Drilling Fluid Management Plan 1-18-93
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 105 bbls

Dewatering method used By evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter _____ Sec. _____ Twp. 9S Rng. _____ E/W

County _____ Docket No. _____

CONFIDENTIAL
OCT 13
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NOV 8 1993

FROM CONFIDENTIAL

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 C9-4 form with all plugged wells. Submit C9-5 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. **OCT 16 1992**

Signature [Signature] VIC TUMLINSON

Title DRILLING OPERATIONS MANAGER Date 10-14-92

Subscribed and sworn to before me this 14th day of October, 19 92.

Notary Public [Signature]

Date Commission Expires 8-21-96

RECEIVED
OIL & GAS CONSERVATION COMMISSION
WICHITA, KANSAS
JAN 25 1993
F Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep
KSS Plug Other
(Specify)

Operator Name OXY-USA Inc.

Lease Name Bartos A

Well # 6

Sec. 27 Twp. 9S Rge. 19

East
 West

County Rooks

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.)
Is refer to the attachment Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run (Submit Copy.) Yes No

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Heebner	3343	-1133	
Toronto	3363	-1153	
LKC	3384	-1174	
Base KC	3599	-1389	
Arbuckle	3623	-1413	

List All E.Logs Run: Ran Dual Induction/
Neutron Density/Dielectric logs

TD 3722
PBTD 3649

CONFIDENTIAL ORIGINAL

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#	260'	Class A	200	3% cc
Production	7 7/8"	5 1/2"	14#	3721'	*Pls refer to the csg data below		

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				
* Prod. Csg Data: Cmt'd 1st stage as follows: 50 sx Poz.A, 2% gel, followed by 125 sx w/ 1.5% cc. Cmt'd 2nd stage as follows: 200 sx 35/65 w/ 1/4 # per sx cell of lake, Set CIBP at 3658'. Set CIBP at 3649'				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid. Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	Specify Footage of Each Interval Perforated			
4	3637-3638'		Not treated	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	3638'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
9-10-92	<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	Sbbls.	Gas	Mcf	Water	Sbbls.	Gas-Oil Ratio	Gravity
	40.				49			

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 3637-3638'



ORIGINAL

REMITTANCE

INVOICE

08/26/93

BILLING INQUIRIES TO:	TERMS	REMIT TO:
0-443-0021	NET AMOUNT DUE 10 DAYS FROM DATE OF INVOICE	LJ SERVICES CO. USA P.O. BOX 297476 HOUSTON, TX 77297

PAGE	INVOICE NO.
2	073604

AUTHORIZED BY
073604

PURCH. ORDER REF. NO.

CONFIDENTIAL

NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
	TX	Harris	Houston	Adyco	133
LOCATION/FIELD	MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
18		10/13/93	40-LONG STRINGS PRODUCT		

QTY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
1.00	...	0.15	LB	330.00
1.00	...	1.31	LB	101.20
1.00	...	6.67	LB	614.70
1.00	...	2.20	LB	220.00
1.00	...	1.73	6AL	165.00
1.00	...	0.93	LB	270.20
1.00	...	1.11	...	92.40
1.00	...	200.00	...	200.00
1.00	...	0.77	...	137.70
		SUBTOTAL		22,235.50
		DISCOUNT		4,635.50

9-1572720 X 2360.1 / 724

5,655.28	277.10
7,377.10	

32 006 RB

RELEASED

NOV 18 1993

FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION JAN 25 1993 CONSERVATION DIVISION WICHITA, KANSAS

ORIGINAL
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GEOLOGICAL REPORT

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NOV 18 1993

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OCT 13

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RECEIVED
STATE OPERATIONS COMMISSION

OCT 16 1992

CONSERVATION DIVISION
NORTH KANSAS

Operator: OXY USA. INC.
Lease: Bartos "A" #6
Field: Zurich
Location: 2240' FNL & 1720' FEL. Section 27-T9S-R19W
Elevation: GL 2205, KB 2210 (all measurements from KB)
County: Rooks
State: Kansas
Company Representative: Don Sheldon and Steve McDaniel
Contractor: Abercrombie. Rig #4
Commenced: 08/20/1992
Completed: 08/26/1992
API Number: #15-163-23208

CASING RECORD

Surface Casing: 8 5/8" @ 260'
Production Casing: 5 1/2" @ 3721'

DRILL TIME AND SAMPLES

Drill Time: plotted from 3100' to RTD
Samples: saved and examined from 3100' to RTD

ELECTRIC LOG

Company: Atlas Wireline
Dual Induction, High Resolution Dual Induction. Compensated Density Neutron, High Resolution Compensated Density Neutron, Microlog and Dielectric.

GEOLOGIST

Project Geologist: Bill Keller
Wellsite Geologist: Steve Davis (wellsite supervision 3100'- RTD)

FORMATION TOPS: KB 2210

	Log	Sample
Topeka	3138(- 928)	3138(- 928)
Lecompton	3248(-1038)	3249(-1039)
Oread	3292(-1082)	3292(-1082)
Heebner	3345(-1135)	3343(-1133)
Toronto	3364(-1154)	3363(-1153)
Lansing Kansas City	3384(-1174)	3384(-1174)
Base of Kansas City	3598(-1388)	3599(-1389)
Arbuckle	3622(-1412)	3623(-1413)
Total Depth	3722(-1512)	3722(-1512)

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SAMPLE DESCRIPTIONS:
(correlated to electric log)

FROM CONFIDENTIAL

TOPEKA LIMESTONE 3138(- 928)

- 3138-46 Limestone. tan to off white. fine to very fine crystalline, slightly fossiliferous. Chalky in part, no visible porosity.
- 3204-08 Limestone. cream to tan. fine crystalline. Fossiliferous, with poor intercrystalline porosity. Trace of free oil, no odor. rare uniform stain. most barren.

OREAD 3292(-1082)

- 3292-
3300 Limestone. brown to off white, fine to very fine crystalline, fossiliferous, with fair to good vuggy porosity and fair fossil cast porosity. Fair to good show of free oil. fair odor. uniform stain. Included. chert, white an opaque.

PLATTSMOUTH 3314(-1104)

- 3314-18 Limestone, tan to off white, fine crystalline, fossiliferous, chalky in part, fair to poor vuggy porosity and fair fossil cast porosity. Fair show of free oil, uniform to spotted stain. Included. chert, white to amber. translucent an opaque.

TORONTO 3364(-1154)

- 3364-68 Limestone. cream to gray, fine crystalline, fossiliferous. Poor intercrystalline porosity and poor pinpoint porosity, trace of free oil, no odor, spotted to uniform stain. Included. chert, white.

LANSING 3384(-1174)

- 3384-88 Limestone. tan to off white, fine crystalline, slightly fossiliferous. Cherty and chalky in part. Poor vuggy porosity, trace of residual scummy oil, spotted stain.
- 3422-26 Limestone, tan to cream, fine to very fine crystalline, fossiliferous. fair pinpoint porosity. Trace of free oil, uniform to spotted stain, no odor.
- 3465-70 Limestone. cream to gray, fine crystalline, slightly fossiliferous, good vuggy porosity. Good show of scummy residual oil, trace of free oil. Heavy uniform stain, faint odor.

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SAMPLE DESCRIPTIONS CONTINUED:

FROM CONFIDENTIAL

- 3474-80 Limestone, cream to off white, fine crystalline, fossiliferous. Poor vuggy porosity, trace of free oil. Spotted stain, no odor.
- 3574-78 Limestone, cream to brown, fine crystalline. Poor pinpoint porosity and poor vuggy porosity. Trace of free oil and trace of scummy residual oil. Included, chert, gray an amber.

ARBUCKLE 3622(-1412)

- 3627 Dolomite, white to tan, fine to medium crystalline, cherty, no visible porosity. Included, dolomite, brown to tan, fine to course crystalline. Fair to poor intercrystalline porosity, fair to good show of free oil. Uniform stain, fair odor. Plus chert, white, fossiliferous, translucent.
- CFS
- 3630 Dolomite, tan to brown, fine crystalline with poor inter-crystalline porosity and dolomite fine to medium crystalline with fair to good intercrystalline porosity. Good show of free oil. Uniform stain, good odor. (DST #1)
- CFS

DRILL STEM TEST #1

INTERVAL: 3625-3630 (30-60-90-120)

BLOW: I.F. weak building to 6".
F.F. weak building to 12".

RECOVERY: 120' gas in pipe
230' clean gassy oil
(5% gas, 95% oil)
50' heavy oil cut mud
(45% oil, 55% mud)

PRESSURES: Initial Hydrostatic Pressure 1765#
Initial Flow Pressure 44-67#
Initial Shut In Pressure 1100#
Final Flow Pressure 74-142#
Final Shut In Pressure 1100#
Final Hydrostatic Pressure 1742#

BOTTOM HOLE

TEMPERATURE: 105 F

SAMPLE DESCRIPTIONS CONTINUED:

- 3636-43 Dolomite, brown to tan, fine to course crystalline, fair to good intercrystalline porosity, good show of free oil. Good odor, uniform stain.
- 3649-59 Dolomite, cream to brown, course crystalline, good inter-crystalline porosity. Good show of free oil, good odor, uniform to spotted stain. (oil residue inside sample cup)

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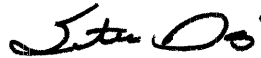
3660-64 Dolomite. cream to brown, fine to coarse crystalline, fair to good intercrystalline porosity. Good show of scummy residual oil. fair show of free oil. Good odor. black uniform to spotted stain. (oil residue inside sample cup)

FROM CONFIDENTIAL

Following log analysis, 5 1/2" production casing was cemented at 3721' for further evaluation of the Arbuckle.

Samples were deposited at the Kansas Geological Survey.

Respectfully,



Richard S. Davis Jr.
Wellsite Geologist



ORIGINAL

DIRECT BILLING INQUIRIES TO: 713-435-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: BJ SERVICES CO. USA P.O. BOX 297476 HOUSTON, TX 77297
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PAGE	070700
AUTHORIZED	070700
PURCH. ORDER	

SKY

BOX 26100
OKLAHOMA CITY OK 73126

COPY CONFIDENTIAL
E0008

WELL NUMBER : 4 CUSTOMER NUMBER : 521 - 1

LEASE NAME AND NUMBER PARTS #1# 6	STATE 14	COUNTY/PARISH 1451	CITY	DISTRICT NAME Laves	DIS 5
JOB LOCATION/FIELD NA	MTA DISTRICT	DATE OF JOB 09/20/92	TYPE OF SERVICE LAND-CONDUCTOR/SUR		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTEN PRIC
10100300	1.00	CEMENT CASING 2 TO 300 FEET	461.00		
10109000	1.00	MESSAGE CHRG. FROM NEAREST BASE DF	2.47		
10409600	3.00	CENTRALIZERS	50.00	GAL	
10410504	200.00	CLASS #4 CEMENT	5.74	CF	1.01
10415049	654.00	1-7-P CALCIUM CHLORIDE PELLETS 3	0.40	LB	2.0
10422003	20.00	CELLO FLAKE	1.35	LB	
10430534	1.00	1 7/8" TOP HOLE (SURFACE) PLUG	17.00	EA	
10560001	207.40	MIXING SERVICE CHARGE DRY MATERIAL	1.16		2
10940115	1.00	MIN DRAYAGE CHRG	73.70		
			SUBTOTAL		2.4
			DISCOUNT		2

9-1572720 X 23601/724

ACCOUNT	4.9000Z KS-NEW WELL	1,105.35
TAX EXEMPTION STATUS:		32 006
PAY THIS AMOUNT		RELEASED NOV 18 1993
		FROM CONFIDENTIAL RECEIVED STATE CORPORATION COMMISSION JAN 25 1993 CONSERVATION DIVISION WICHITA, KANSAS

CONFIDENTIAL

OXY USA INC.

CONFIDENTIAL

DRILLING REPORTING SYSTEM

OCT 13

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NOV 18 1993

FROM CONFIDENTIAL

WELL CHRONOLOGICAL

FOR

OXY USA INC., BARTON "A" #6, ROCKS, KS

9/4/92 CMIC D. SHELDEN; DAILY COST \$ 1,675; CUM COST \$ 92,738

PR OPNS: SWAB TEST;
FORM: ARBUCKLE 3652-53;
PRTD 3,648; MTD 3,722; PERFS(MD) 3,652; - 3,653;
CASING 5.5; @ 3,721;

ACTIVITY SUMMARY:

RIH W/ 4-11/16" SHORT CATCH, OVERSHOT W/ 4-3/16" GRAPPLE,
FISH CSG SWAB SWIVEL AND POOH, AM FL. 1050' FROM SURFACE -
ALL WTR. RU MERCURY WL AND SET 5-1/2" CTRP AT 3658', CSG
SWAB HOLE DOWN TO 3300', PERP ARBUCKLE AT 3652-53. USING 4
JET SHOTS. BEGIN CSG SWABING - 15R HR TEST: 2.5 BBL TF,
40X OIL, 55X WTR, 5X MUD (OIL 25.5 GRAVITY AT 100 DEGREES),
SWABING FROM 3655' AT 2 PULLS PER HOUR. SDON.
CMIC D. SHELDEN;

9/5/92

PR OPNS: SWAB TESTING;

FORM: ARBUCKLE 3637-38;
PRTD 3,649; MTD 3,722; PERFS(MD) 3,637; - 3,638;
CASING 5.5; @ 3,721;

ACTIVITY SUMMARY:

AM FL. 1600' F.S. - 1900' FILLUP - 500' OIL, RIH W/ 2-7/8" X
4' PERP MA, SN, 119 JT 2-7/8" TBG (SN AT 3644'), SWAB DOWN,
STARTED 1 HR SWAB TESTS. 1ST HR: 21.27 TF, 2X OIL, FL.
3100', 2ND HR: 17.49 TF, 2X OIL, FL. 3150', 3RD HR: 18.25
TF, 3X OIL, FL. 3100', POOH W/ TRC. RU MERCURY WL. SET CTRP

RECEIVED
STATE CORPORATION COMMISSION
DEC 16 1992
REGULATION DIVISION
Wichita, Kansas

December 11, 1992

December 11, 1992

INITIAL WELL REPORT
OKLA CITY DISTRICT

PAGE: 1
GEMF

FOR: OXY USA INC., WARTOS "A" #6, ROCKS, KS

08/20/92

WELL ID: 1304320 COMPANY CODE: 807 COMPANY OPERATED TO DR NUL C

REPORT CODE: A DISTRICT: 1300 OKLA CITY AP# 15-163-23208-00

CWIL: 100,0000000 PROD FOREMAN: 1332

CNI: 87,5000000 DCI:

STATE: KS CNTY: USA CNTY: ROCKS

PROVINCE: LSE-MK-ENT:

LOC: 2240' FNL - 1720' FEL

S: 27 T: 4 S R: 19 W LAT: LONG:

BOTTOM HOLE LOCATION:

PLATFORM: X-COORD: Y-COORD:

FIELD: ZURICH TOWNSITE PROSPECT:

PROP. TD: 3,700 PROP. TVD:

TYPE: 304 ; WI DEVEL - AFE WI PRD W/POT STATUS: 09 ; DRLC

EXPL. CODE: PLAY CODE: DERRICK FLOOR ELEV.:

ELEV. GL: 2,205 ELEV. RKB: 2,210 WATER DPT:

CONTRACTOR: ABERCROMBIE RIG: #4

DATE RQH: 08/20/92 DATE ROL: 08/20/92 SPUD: DATE- 08/20/92 TIME- 19 : 00

OBJECTIVES: EST TVD: OBJECTIVES: EST TVD:

1. ARBUCKLE 3,620 2. LKC 3,380

3. 4.

5. 6.

7. 8.

AFE NUMBER	AFE 100 X DRY HOLE COST	AFE 100 X PROD. COST	BUDGET APPROX NUMBER AND DESCRIPTION
91572720	50,650	158,630	9202 - OFFSET WELLS

PROD. LEASE NO.

UNDEVELOPED LEASE NO. 61539160

< OFFICIAL INITIAL WELL REPORT WAS SUBMITTED ON 09/02/92 >

INITIAL REPORT REMARKS:

OXY USA INC., BARTOS "A" #6
ROOKS, KS WBN: 1304320

8/21/92 PR OPNS: WOC;

FORM: SHALE;

MD 261; DRLD(MD) 261; DSS 1; DOL 1; *** FIRST REPORT ***
CASING 8.625; @ 260; DEV MD 261; ANGLE 0.13;
ACTIVITY SUMMARY:

*** AFE TO D&E DEVELOPMENT WELLS ***
MIRU ABERCROMBIE DRILLING INC RIG #4, SPUNDED 12-1/4" HOLE
AT 7:00 PM, 8/20/92, DRILLED 261', CIRC 1/2 HR, POOH W/
DRILL STRING, RIG W/ 8 JTS @ 260' D&E (TALLY 252'), SET
2' BELOW GL. CIRC 30 MIN, CENTRALIZED 1, 3, AND SJL JTS, RU
BU CMT W/ 200 SK CLASS "A" W/ 3% CC AND 1/4" SK CELLO FLARE,
DISPLACE WIPER PLUG TO 244' AT 11:40 PM, 8/20/92, CMT
CIRCULATED.
CMIC D. SHELDEN; DAILY COST \$ 4,411; CUM COST \$ 6,411;

8/22/92 PR OPNS: DRLE AHEAD;

FORM: SHALE;

MD 2.019; DRLD(MD) 1,758; DSS 2; DOL 2;
CASING 8.625; @ 260; DEV MD 876; ANGLE 0.5; DEV MD 1,468; ANGLE 0.13;
DEV MD 1,927; ANGLE 0.13;
ACTIVITY SUMMARY:
DRILL OUT FROM SURFACE 8:00 AM, 8/21/92, DRILLERS ANNY
1568'-1403', BIT TRIP AT 1927', STRAP PIPE, BOARD LONG .85',
CMIC D. SHELDEN; DAILY COST \$ 10,377; CUM COST \$ 16,788;

8/23/92 PR OPNS: DRLE AHEAD;

FORM: SHALE;

MD 2,793; DRLD(MD) 774; DSS 3; DOL 3;
MM 9.3; FV 53; PH 10.5; CHL 2000; CASING 8.625; @ 260;
DEV MD 2,422; ANGLE 0.5;
ACTIVITY SUMMARY:
DRILLING AHEAD,
CMIC D. SHELDEN; DAILY COST \$ 5,404; CUM COST \$ 22,192;

8/24/92 PR OPNS: DRLE AHEAD;

FORM: LKC;

MD 3,504; DRLD(MD) 708; DSS 4; DOL 4;
MM 8.8; FV 53; PH 10.5; CHL 2000; SLD % 3; CASING 8.625;
@ 260; DEV MD 3,040; ANGLE 0.5;
ACTIVITY SUMMARY:
DISPLACE CHEMICAL MUD AT 3105', STEVE DAVIS ON LOCATION,
EST TOPS: TOPEKA 3138 (-928)
LECOMPTON 3249 (-1039)
DREAP 3292 (-1082)
CMIC D. SHELDEN; DAILY COST \$ 4,659; CUM COST \$ 26,851;

8/25/92 PR OPNS: DRLE AHEAD;

FORM: ARBUCKLE;

MD 3,480; DRLD(MD) 179; DSS 5; DOL 5;
MM 9; FV 44; LCM 2.3; PH 10; WL 9.6; CHL 3000;
SLD % 5; CASING 8.625; @ 260; DEV MD 3,504; ANGLE 0.75;
ACTIVITY SUMMARY:
GEOLOGIST TOPS AS FOLLOWS: HEEBNER 3343 (-1133), TORONTO
3363 (-1153), LONGING 3384 (-1174), BRC 3599 (-1389),
ARBUCKLE 3623 (-1413), SHORT TRIP AT 3616', PMP'S FOR DST,
DST #1, TOP 5' OF ARBUCKLE, CIRC 1 HR, POOH W/ DRILL
STRING, RU TRILOBYTE TESTERS, RAN 5' ANCHOR W/ DUAL PFR
ASSEMBLE TO TEST 3625-30', (30-40-70-120),
DST REPORT: TEST FROM 3625-30', 1ST OPENING W/ 2" BLDW
BUILDING TO 4" 2ND OPENING VERY WEAK SURFACE BLOW BUILDING
TO 10", RECOVERY: 120' GAS, 330' GASSY OIL, (5% GAS AND 95%
OIL)

8/26/92

PR OPNS: LAYING DOWN DRILL PIPE;
FORM: ARBUCKLE;
MD 3,722; DRILL(DMD) 42; DSS 6; DOL 6;
MW 9; FV 43; LCM 6.5; PH 9.5; WL 11.6; CHL 3000;
SLD X 4; CASING 8.625; @ 260; DEV MD 3,722; ANGLE 0.75;
ACTIVITY SUMMARY:
DRILL TO TD 3722; AT 8:20 AM, CIRC 1/2 HR. SHORT TRIP 2
STANDS. CIRC 50 MIN WHEN NOTICED ONLY GETTING PARTIAL
RETURNS. LOWERED PUMP PRESS. PUMP LCM FILL TO REGAIN FULL
RETURNS. POOH W/ DRILL STRING STRAP PIPE, STRAP 1.19 LONS
TO BOARD. RU ATLAS WL. RUN DUAL INDUCTION/NEUTRON
DENSITY/DIELECTRIC. RUN BIT TO BOTTOM CONDITION HOLE FOR 4
HR. GOOD CIRC THROUGHOUT. BEGIN LAYING DOWN DRILL PIPE.
CMIC D. SHELLEN/S. MCDANIEL; DAILY COST \$ 5,223; CUM COST \$ 32,074;

8/27/92

PR OPNS: WDC;
FORM: ARBUCKLE;
MD 3,722; DSS 7; DOL 7; *** DROP FROM REPORT PENDING COMPLETION ***;
MW 9; FV 44; LCM 8; PH 9.5; WL 11.6; CHL 3000;
SLD X 5; CASING 8.5; @ 3,721;

ACTIVITY SUMMARY:

FINISH LAYING DOWN DRILL PIPE. RUN 89 JTS (3720') ~~5-1/2"~~
4-1/2" K-95 10" GRADE OSC W/ GUIDE SHOE AND INSERT VALVE. SET
PIPE AT 3721'. USING NEW 5-1/2" LANDING SUB. CENTRALIZE 1,
3, 5, 7, 9, 11, 13, AND 14TH JT. SAND BLAST BOTTOM 16 JTS.
RUN DV AT 1402'. CENTRALIZE ABOVE AND BELOW AND RUN CMT
BASKET BELOW. CIRC AND ROTATE 2 HRS. RU BJ SERVICES AND CMT
FIRST STAGE AS FOLLOWS: PUMP 40 BLS SALT WTR W/ 1 SK DESCO
IN FIRST 20 BLS. 3 BLS FRESH WTR. 500 GAL BU MUD SWEEP. 3
BLS FRESH WTR. 50 SK BOWDO/BOWDO 10% SALT. 2X GEL.
1/4#/SK CELLOFLAKE. 1.5% FL-10 FOLLOWS BY 125 SK SUREFILL
W/ 10% GYSEAL. 10% SALT. 5% FL-10. 25#/SK DEFOAMER. AND
1.5% CC. DISPLACED TOP PLUG USING WTR AND MUD. RATE
THROUGHOUT: 5 PBM - LAND PLUG AT 900 PSI. STOP ROTATING W/
10 BLS LEFT TO DISPLACE. RELEASE BACK AND OPEN DV. CIRC 1
HR AND CMT W/ 250 SK 35/65/10 W/1/4#/SK CELLOFLAKE.
DISPLACE PLUG W/ FRESH WTR. RATE THROUGH OUT: 5 BPM. PLUG
DOWN AT 3:40 PM. 8/24/92. PLUG RAT HOLE W/ 15 SK SAME CMT.
SET SLIPS IN BRADEN HEAD. RELEASE RIG AT 4:30 PM. 8/24/92.
CMT DID NOT CIRC. STATE WITNESS: DENNIS HAMEL.
CMIC D. SHELDEN/S. MCDANIEL; DAILY COST \$ 30,490; CUM COST \$ 80,560;

9/1/92

PR OPNS: PREP'G TO PERF.;

FORM: ARBUCKLE;
PRTD 3,665; MTD 3,722; *** PU FROM REPORT ON 8/27/92 ***;
CASING 5.5; @ 3,721;

ACTIVITY SUMMARY:

CLOSE COLLAR. LEVEL LOCATION. RU DAVE'S WELL SERVICE RIG
#1. RU MERCURY WL RUN TEMP SURVEY... TOP OF CMT 200' FS
(STATE WITNESS DENNIS HAMEL). SET SWAB TANK. MI WORK
STRING. RIM W/ 4-7/8" BIT. 3 - 3-1/2" DRILL COLLARS. 4-7/8"
REAMER ON 2-7/8" TRG. TAG TOP OF DV AT 1597'. DRILL OUT DV
AND REAM THROUGH. RUN BIT TO PRTD OF 3665'. CIRC HOLE
CLEAN. PRESS TEST 5-1/2" TO 500 PSI. RU ATLAS WL AND RUN
SEMENTED BOND LOG W/ CCL AND GAMMA RAY. LOGGERS PRTD AT
3665'. TOP OF CMT AT 2650'. SDOH.
CMIC D. SHELDEN; DAILY COST \$ 8,795; CUM COST \$ 89,363;

9/2/92

PR OPNS: SWAB TEST;

FORM: ARBUCKLE 3661-62';
PRTD 3,665; MTD 3,722;
CASING 5.5; @ 3,721;

ACTIVITY SUMMARY:

OSC SWAB HOLE DOWN TO 3000'. RU MERCURY WL AND PERF
ARBUCKLE (3661-62') W/ 4 J.S. RIM W/ 1 JT TAIL PIPE AND
5-1/2" AD-1 TENSION PKR ON 2-7/8" TRG (BOTTOM OF TAIL PIPE
AT 3639'). SET PKR AT 3406'. TRG SWAB HOLE DRY. WAIT 1 HR -
NO FILL UP. SDOH.
CMIC D. SHELDEN; DAILY COST \$ 1,700; CUM COST \$ 91,063;

9/3/92

PR OPNS: FISHING CSC SWAB;

FORM: ARBUCKLE 3661-63';
PRTD 3,665; MTD 3,722; PERFS(MD) 3,661; - 3,663;
CASING 5.5; @ 3,721;

ACTIVITY SUMMARY:

CHECK AM FL - HOLE DRY. SPOT 250 GAL 15% MCA ACROSS PERFS
AT 3661-62'. RU MERCURY WL AND PERF 3661-63' W/ 4 J.S.P.
WAIT 4 HRS WHILE RIG REPLACED SWAB LINE. RIM W/ CSC SWAB
AND TAG FLUID AT 1500' (1500' FILLUP). MADE 3 RUNS;
RECOVERED 14 BLS TF - ALL WTR WHEN PARTED ROFF SOCKET
SWIVEL. SDOH. SET UP KANSAS FISHING TOOLS TO FISH CSC SWAB