KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY

Operator: License # 8061
Name: Oil Producers Inc. of Kansas
Address: P.O. Box 8647
City/State/Zip: Wichita, KS 67208
Purchaser: NCRA
Operator Contact Person: Diana Richecky
Phone: (316) 681-0231
Contractor: Name: Mallard JV Inc.
License: 4985
Wellsite Geologist: William Shepard

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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/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ____ Original Total Depth: ____
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Enhr.?) Docket No.

12/15/2002	12/19/2002	1/11/2003
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25177-0000
County: Ellis Approx. 115' W of
__ - ne - nw - se Sec. 31 Twp. 12 S. R. 17 ☐ East ☑ West
2310 feet from (S) / N (circle one) Line of Section
1765 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Karlin Well #: 6
Field Name: Reed NW
Producing Formation: Arbuckle
Elevation: Ground: 2125 Kelly Bushing: 2130
Total Depth: 3801 Plug Back Total Depth: 3740
Amount of Surface Pipe Set and Cemented at 245 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 cmt.

Drilling Fluid Management Plan A II WR 10-1-03
(Data must be collected from the Reserve Pit)
Chloride content 27,500 ppm Fluid volume 250 bbls
Dewatering method used Evaporate & Restore
Location of fluid disposal if hauled offsite:
Operator Name: N/A
Lease Name: ____ License No.: ____
Quarter ____ Sec. ____ Twp. ____ S. R. ____ East West
County: ____ Docket No.: ____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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]
Title: President Date: 9/12/2003
Subscribed and sworn to before me this 12 day of September, 19 2003.
Notary Public: Diana L. Richecky
Date Commission Expires: 01/12/2004

DIANA L. RICHECKY
Notary Public - State of Kansas
My Appt. Expires

KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes ☐ Date: ____
✓ Wireline Log Received
✓ Geologist Report Received
____ UIC Distribution

Side Two

Operator Name: Oil Producers Inc. of Kansas Lease Name: Karlin Well #: 6

Sec. 31 Twp. 12 S. R. 17 East ✔ West County: Ellis Approx. 115' W of

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Geological Report, Sonic Log, Compensated Density/Neutron Log, Dual Induction Log, Dual Receiver Cement Bond Log

✔ Log Formation (Top), Depth and Datum Sample

Name Top Datum

See Note 1

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		8 5/8"	24	245	See Note 2	See Note	See Note2
Production		4 1/2"	10.5	3779	See Note 2	See Note	See Note 2

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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
	See Initial Completion Report		

TUBING RECORD Size: 2 3/8" Set At: 3710.41 Packer At:

Liner Run Yes ✔ No

Date of First, Resumed Production, SWD or Enhr.: 01/11/2003

Producing Method: Flowing ✔ Pumping Gas Lift Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		90		

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented Sold ☐ Used on Lease Open Hole Perf. Dually Comp. ☐ Commingled
(If vented, Sumit ACO-18.)
☐ Other *(Specify)*

Attachment 1

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Note 1:

Anhydrite	1353	777
Topeka	3101	-971
Heebner	3338	-1208
Toronto	3360	-1230
Lansing	3385	-1255
Arbuckle	3659	-1529
RTD	3801	-1671

Note 2:

Type of Casing & No. of Sacks	Type of Cement	Type and % Additives
Surface 170 sacks	60/40 Poz	2% gel, 3%cc
Production 225 sacks	AA-2	10% salt, 5# gilsonite/sack 8% FLA-322
225 sacks (2 stage)	A-con	3%cc, ¼# cellflake/sack

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Oil Producers Inc. of Kansas
Initial Completion Report

WELL - KARLIN #6

LEGAL - 115' W OF NE/NW/SE OF 31-12s-17w in ELLIS CO., KS.

API # - 15-051-25177

G.L. - 2125'

K.B. - 5' ABOVE G.L. @ 2130'

SURFACE CSN - 8 5/8" @ 245' w/ 170 SXS

RTD - 3801'

LTD - 3800' (ELI 12/19/02)

PRODUCTION CSN - 4½", 10.5# @ 3799' w/ 225 SX AA-2

TOP OF CEMENT - 2740' (BOTTOM STAGE)

PBTD - 3740' (ELI 1/2/03)

PERFORATIONS -	ARBUCKLE	3667-3673'	4/FT	1/2/03
	ARBUCKLE	3659-3662'	4/FT	1/2/03

TUBING RAN - 15' MA, SN, 124 JTS, 2 3/8" (3691.31')

TUBING SET @ - 3710.41'

AVERAGE TBG JT. - 29.77'

PUMP RAN - 2"x1½"x12' RWTC w/ 6' G.A.

RODS RAN - PUMP 2', 147 - ¾" RODS, 1 - 7/8" ROD, 6', 4', 4', P.R.

PUMP SET @ - 3695.41'

PUMPING UNIT - BETHLEHAM 114 D, SN - R-X1888, RAT - 25.4:1, 48"

MOTOR - 10 HP ELECTRIC

SURFACE EQUIPMENT - 10'x15' FIBERGLASS GUN BBL
2 - 10'x12' 200 BBL STEEL STOCK TANKS
1 - 10'x12' 200 BBL FIB. H20 TANK w/ FLOAT

ORIGINAL

12/30/02 -

BLACKHAWK WELL SERVICE ON LOCATION TO RIG UP D-D POLE.
SIOUX TRUCKING ON LOCATION w/ 2 3/8" TBG FROM ARNHOLD LEASE.
RIH - w/ 3 7/8" BIT & TBG
TAG DV TOOL @ 1365'
SDFN

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12/31/02 -

TR SERVICES ON LOCATION w/ DRILLING EQUIPMENT.
DRILL OUT DV TOOL & CIRCULATE HOLE CLEAN.
POOH - TBG & BIT
SHUT DOWN FOR NEW YEARS.

1/2/03 -

ELI WIRELINE ON LOCATION TO RUN CORRELATION & BOND LOG.
FOUND TTL DEPTH - 3740' (23' HIGH TO TOP INSERT 3763')
FOUND TOP CEMENT - 2740' w/ GOOD BONDING ACROSS LANG/KC
& MARGINAL BONDING IN ARBUCKLE.
BLACKHAWK SWABBED 4½" CASING DOWN TO 3300'.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN ARBUCKLE UTILIZING 32 GRAM EXPENDABLE CSN GUNS.

PERFORATE ARBUCKLE -	3667-3673'	4/FT
PERFORATE ARBUCKLE -	3659-3662'	4/FT

BLACKHAWK RIGGED TO TEST ARBUCKLE NATURAL.

TEST ARBUCKLE NATURAL AS FOLLOWS:

SWAB WELL DOWN, REC. APPROX. 15 BBLS, GOOD SHOW OF GAS
NOTE: (WELL MAKING FLUID ON SWAB DOWN)
½ HR TEST - REC. 1½" BBLS, 5% OIL & MUDDY WATER

SHUT DOWN FOR NIGHT

1/3/03 -

SICP - 0#, FL. LEVEL - 2400' DOWN, FREE OIL - 430', OVERNIGHT FILL-UP OIL % - 34%
SBHP - CALCULATES 552#

BLACKHAWK RIGGED TO CONTINUE TESTING ARBUCKLE.

CONTINUED TESTING ARBUCKLE NATURAL AS FOLLOWS:

SWAB WELL DOWN TO PIT, RECOVERY N/A

½ HR TEST -	REC. 1.6 BBLS	33% OIL
½ HR TEST -	REC. 1.5 BBLS	40% OIL
½ HR TEST -	REC. 1.16 BBLS	48% OIL

1/3/03 CONTINUED -

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KANSAS ACID ON LOCATION TO ACIDIZE ARBUCKLE PERFS w/ 500 GALS 15% INS (IRON NON-SWELLING) ACID.

ACIDIZE ARBUCKLE PERFORATIONS AS FOLLOWS:

PUMP 500 GALS 15% INS ACID
LOAD HOLE w/ 46 BBLS FIELD DRIVE
START FEEDING @ ¼ BPM - VAC
DISPLACE 500 GALS @ ½ BPM - 50#, 300#, 200#
ISIP - 100#, VAC - 1 MINUTE
TTL LOAD - 70 BBLS

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BLACKHAWK RIGGED TO TEST ARBUCKLE AFTER ACID.

TEST ARBUCKLE AFTER ACID AS FOLLOWS:

FOUND FL. LEVEL @ SURFACE		
SWAB WELL DOWN.	REC. 78.88 BBLS	40% OIL
½ HR TEST -	REC. 3.19 BBLS	41% OIL
½ HR TEST -	REC. 4.35 BBLS	70% OIL

SHUT DOWN FOR NIGHT.

1/4/03 -

SICP - 0#, FL. LEVEL - 2100' FROM SURFACE, FREE OIL - 400', O.N. FILL-UP OIL % - 25%
SBHP - CALCULATES - 697#

SIOUX TRUCKING ON LOCATION w/ 2 3/8" USED TESTED, 2 3/8" TUBING & USED ¾" RODS ALL FROM ARNHOLD LEASE.

BLACKHAWK RIGGED TO RUN PRODUCTION TUBING.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR x 2 3/8"	15.00'
SEATING NIPPLE x 2 3/8"	1.10'
124 JTS 2 3/8" USED & TESTED	3691.31'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TUBING SET @	3710.41'
SN SET @	3695.41'

BLACKHAWK RIGGED TO RUN PUMP & RODS.
SHUT DOWN DUE TO HIGH WINDS.

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1/5/03 -

BLACKHAWK RIGGED TO RUN PUMP & RODS.

RAN PUMP & RODS AS FOLLOWS:

2" x 1½" x 12' RWTC w/ 6' G.A.	14.00'
2' x ¾" ROD SUB	2.00'
147 - ¾" RODS	3675.00'
1 - 7/8" ROD	25.00'
6', 4', 4' x 7/8" ROD SUBS	14.00'
PUMP SET @	3695.41'

BLACKHAWK RIGGED DOWN & MOVED OFF LOCATION.

1/6-7/03 -

DITCHED & LAYED APPROX. 1,000' 2" SCH-160 PVC LEAD LINE & TIED INTO BATTERY TO SE. HOOK UP WELL HEAD.
HIGH PLAINS MACHINE SET BETHLEHAM 114 PUMPING UNIT.
SET 10 HP ELECTRIC MOTOR. LAYED ELECTRIC LINE FROM KARLIN #2 WELL.
PUT WELL INTO SERVICE.

1/11/03 -

WELL PRODUCING APPROX 90 BWPD & 25 BOPD.

END OF REPORT
BRAD SIROKY