

15-033-21244-0000
STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Rev.

TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 8-27-01

Company: OIL PRODUCERS, INC Lease: RICH C Well No. 4

County: COMANCHE Location: SW NE SW Section: 22 Township: 32S Range (E/W): 19 W Acres: 160

API Well Number: 15-033-21, 244 Reservoir(s): U10LA Gas Pipeline Connection

Completion Date: 8-06-01 Type of Completion (Describe): SINGLE Plug Back T.D.: 6075 Packer Set At: NA

Lifting Method: None Flow Pumping Gas Lift ESP Type Liquid: OIL API Gravity of Liquid/Oil: 38.1074°

Casing Size: 52" Weight: 15.5 ID: 5.55 Set At: 6120 Perforations: 5782 To: 5817

Tubing Size: 2 7/8" Weight: 4.1 ID: 3.55 Set At: 5817 To:

Pretest: Starting Date Time AM/PM Ending Date Time AM/PM

Test: Starting Date 8-27-01 Time 11:00 AM/PM Ending Date 8-28-01 Time 11:00 AM/PM

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size
 Casing: 1545 Psig Tubing: 344 Psig 125 Psig

Bbls./In.	Stock Tank		Starting Gauge			Ending Gauge			Net API Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									4.0	768.0
Test:										
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections (Yes/No) Orifice Meter Range
 Pipe Taps: Flange Taps: Differential: Static Pressure:

Type Measuring Device	Entry Size	Orifice Size	Meter-Prover-Tester Pressure					Diff. Press. (h _w) or (h _d)	Gas Gravity (G _p)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (P)	%CO ₂	H ₂ S ppm			
Orifice Meter										
Critical Flow Prover										
MERLA Well Tester										

GAS FLOW RATE CALCULATIONS (R)

Coeff. MCFD (F ₁) (F ₂)	Meter-Prover Press. (Psia)(P _m)	Press. Extension $\sqrt{h_w \cdot P_m}$	Gravity Factor (F ₃)	Flowing Temp. Factor (F ₄)	Deviation Factor (F ₅)	Sqr. Rt. Chart Factor (F ₆)

Gas Prod. MCFD Oil Prod. Bbls./Day: Gas/Oil Ratio (GOR) = Cubic Feet per Bbl.
 Flow Rate (R): 134,000 768 5.73

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this _____ day of _____ 19__.

Dallas J. Prater *Steve Stewart* _____
 For Offset Operator For Commission For Company

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR _____ LOCATION OF WELL _____
 LEASE _____ OF SEC. _____ T _____ R _____
 WELL NO. _____ COUNTY _____
 FIELD _____ PRODUCING FORMATION _____
 Date Taken _____ Date Effective _____
 Well Depth _____ Top Prod. Form _____ Perfs _____
 Casing: Size _____ Wt. _____ Depth _____ Acid _____
 Tubing: Size _____ Depth of Perfs _____ Gravity _____
 Pump: Type _____ Bore _____ Purchaser _____
 Well Status _____
 Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping _____

STATUS BEFORE TEST:

PRODUCED _____ HOURS

SHUT IN _____ HOURS

DURATION OF TEST _____ HOURS _____ MINUTES _____ SECONDS

GAUGES: WATER _____ INCHES _____ PERCENTAGE

OIL _____ INCHES _____ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) _____

WATER PRODUCTION RATE (BARRELS PER DAY) _____

OIL PRODUCTION RATE (BARRELS PER DAY) _____ PRODUCTIVITY

STROKES PER MINUTE _____

LENGTH OF STROKE _____ INCHES

REGULAR PRODUCING SCHEDULE _____ HOURS PER DAY.

COMMENTS _____

WITNESSES: _____

FOR STATE _____ FOR OPERATOR _____ FOR OFFSET _____

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8-27-01

TANK #	Gauge	Stock
8486	6.9"	135.2 BBLs
8487	6.11"	138.6
8488	3' 3 1/2"	65.9
8489	9.1"	182.0
8491	1.3"	25.0
8492	1.7"	31.7
8493	9.20"	183.7
8490	9' 3"	185.4
TOTAL STOCK		947.5 BBLs
24 hr. oil runs		666 "

8-28-01

8486	80.9	
8487	69.3	
8488	69.3	
8489	189.5	RECEIVED
8491	188.7	SEP 14 2001
8492	21.7	9-14-01
8493	182.0	KCC WICHITA
8490	43.4	
TOTAL STOCK		844.8

TOTAL 24 hr. Mod. 768 BBLs
 EST OAS 134,000
 Con 5.73

FOR KCC USE:

EFFECTIVE DATE: 7-17-2001

DISTRICT # 1

SGA Yes No

State of Kansas
NOTICE OF INTENTION TO DRILL

Must be approved by the K.C.C. five (5) days prior to commencing well

15-033-21, 244-0000 JUL 13 2001
FORM C-1 7/91 7-13-01
AUT I
FORM MUST BE TYPED
FORM MUST BE SIGNED
ALL BLANKS MUST BE FILLED

Expected Spud Date: 07 15 01
Month day year

Spot Approximately East
SW NE SW Sec 22 Twp 32 S Rg 19 W
1650 feet from South/North Line of Section

OPERATOR: LICENSE # 8061
Name: OIL PRODUCERS, INC. OF KANSAS
Address: P.O. BOX 8647
City/State/Zip: WICHITA, KANSAS 67208
Contact Person: JOHN S. WEIR/DIANA RICHECKY
Phone: 316-681-0231

3630 feet from East West Line of Section
IS SECTION X REGULAR IRREGULAR?
(Note: Locate well on the Section Plat on Reverse Side)
County: COMANCHE
Lease Name: RICH C Well #: 4
Field Name: BIRD EAST

CONTRACTOR: License # 5929
Name: DUKE DRILLING CO., INC.

Is this a Prorated / Spaced Field? yes no
Target Formation (s): Marmaton, Miss & Viola
Nearest Lease or unit boundary: 660

Well Drilled For: Well Class: Type Equipment:
X Oil Enh Rec x Infield x Mud Rotary
X Gas Storage Pool Extension Air Rotary
OWWO Disposal Wildcat Cable
Seismic: # of Holes Other

Ground Surface Elevation: 1999 feet MSL
Water well within one - quarter mile: yes no
Public water supply well within one mile: yes no

If OWWO: old well information as follows:
Operator:
Well Name:
Comp. Date: Old Total Depth

Depth to bottom of fresh water: 100+ 180
Depth to bottom of usable water:
Surface Pipe by Alternate: X 1 2
Length of Surface Pipe Planned to be set: 750
Length of Conductor pipe required: 60

Directional, Deviated or Horizontal wellbore? yes x no
If yes, true vertical depth:
Bottom Hole Location:

Projected Total Depth: 5900
Formation at Total Depth: viola
Water Source for Drilling Operations: Well Farm Pond x other

DWR Permit #:
Will Cores Be Taken?: yes no
If yes, proposed zone:

AFFIDAVIT

RECEIVED
9-14-01
SEP 14 2001

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 58-1001 seq.
It is agreed that the following minimum requirements will be met:

KCC WICHITA

Pusher: Mike
SPUD DATE: 7/14/01 INIT. MP
LENGTH SURFACE PLANNED: 150' of 8 5/8"
MIN: 200' AUT I
RESERVE PIT STATUS- REMOVE FLUID LINED
after salt sect. bbls. when done bbls.
RATHOLED AHEAD? Y N SIZE HOLE
SURFACE PIPE @ CONDUCTOR (40' of 20")
ANHYDRITE T- B- ELEVATION
TD 5900-6188 FORMATION
RAN PIPE 5 1/2 @ 6100 DV TOOL ALT II DONE
250 SX SX Y N
Arbuckle Plug @ Ft. W/ SX
Hug. /Council @ Ft. W/ SX
Anhydrite Base @ Ft. W/ SX
1/2 Base Anyh. @ Ft. W/ SX
1/2, 1/2 Plug @ Ft. W/ SX
Bottom Surface @ Ft. W/ SX
40' Plug @ Ft. W/ SX
RAT HOLE CIRC/W SX MOUSE HOLE W/ SX
WATER WELL SX (Irr. Well Pond Hauling)
TECHNICIAN DATE
TYPE OF CEMENT
STARTING TIME : (AM/PM) DATE
COMPLETION TIME 5:30 (AM/PM) DATE 7/29/01
CEMENT COMPANY And Same

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WELL - RICH C-4

LEGAL DESCRIPTION -- 1650' FSL AND 1900' FWL, SEC. 22-32s-19w IN COMANCHE CO. KS.

API# - 15-033-21,244

K.B. -- 11' ABOVE G.L. @ 1985'

G.L. - 1974'

SURFACE CSN -- 13 3/8" @ 158' W/200 SX. AND 8 5/8" @ 760' W/270 SX.

RTD - 6180'

LTD -- 6179' (ELI OPEN HOLE LOG RAN 7/28/01)

PRODUCTION CSN -- 5 1/2", 15.5# NEW J-55 RG-3, SET @ 6120' IN TOP OF ARBUCKLE.

PRODUCTION CSN CEMENT - 260 SX EA-2 WITH GAS STOP

D.V. TOOL - NONE

TWO STAGE CEMENT - NONE

TOP OF CEMENT -- 4880' WITH EXCELLENT CEMENT BONDING.

PBTD -- 6075' (ELI CORRELATION & BOND LOG RAN 7/31/01)

CIBP'S - NONE

<u>PERFORATIONS</u> -	VIOLA	5782'-5789'	4/FT	TCP GUN	8/1/01
	VIOLA	5811'-5817'	4/FT	TCP GUN	8/1/01

COMPLETION DATE -- 8/6/01

TBG IN HOLE - 35' TCP PERF GUN, MECHANICAL FIRING HEAD, 4" X 2 3/8" TBG SUB, 2 3/8" X 2 7/8" CHANGE OVER SUB, 1 JT. 2 7/8" TBG, DEBRIS SUB, 2 7/8" S.N., 2 JTS. 2 7/8" TBG, 2" X 2 7/8" LOCATOR SUB, 180 JTS. NEW 2 7/8" TUBING. 10', 8', 6', 2" X 2 7/8" TUBING SUBS

PACKER IN HOLE - NONE

TBG ANCHOR SET - NONE

TBG SET -- BOTTOM OF TCP GUN @ 5817.75'

AVER TBG JT. -- 31.36'

PUMP RAN - NONE

RODS RAN - NONE

PUMP SET @ - N/A

PUMPING UNIT - NONE

PRIME MOVER - NONE

GAS SEPARATOR - SEE RICH-3

LINE HEATER - NONE

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9.14-01
KCC WICHITA

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GUN BBL - SEE RICH-3

HEATER TREATER - NONE

FWKO - NONE

STOCK TANKS - SEE RICH-3

WATER TANKS - SEE RICH-3

S.W. PUMP - NONE

METER RUN - NONE

GAS PIPELINE - ONEOK

WATER DISPOSAL - NONE

WELL HISTORY, SERVICE WORK AND NOTES

8/01 INITIAL COMPLETION.
THIS WELL WAS DRILLED INTO ARBUCKLE TO 6180'.
PRODUCTION CASING WAS SET IN TOP OF ARBUCKLE @ 6120' FOR FUTURE SWD
RAN CORRELATION & BOND LOG.
FOUND TTL DEPTH 6075'
FOUND TOP OF CEMENT 4880' WITH EXCELLENT BONDING.
SPOT 250 GALS 10% ACETIC ACID AND 12 BBLS KCL ACROSS VIOLA PERFS.
RUN TBG CONVEYED GUN AND NEW 2 7/8" TUBING.
DROP DETONATION BAR, HAD FLUID TO SURFACE IN 15 MINUTES
INITIAL FLOW RATE = 110 BOPH, 100% OIL.
AFTER 5 DAYS FLOWING WELL PRODUCING 1120 BOPD, NO WATER
FTP = 360# AND FCP = 825# FLOWING ON 1/4" CHOKE.
AFTER 2 WEEKS PRODUCTION WELL PRODUCING APPROX 800 BOPD, FCP = 1175#

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SEP 14 2001
9-14-01
KCC WICHITA