

2-23-10W
-1-

ZOOK #2-2 COMPLETION

OIL PRODUCERS, INC. OF KANSAS
INITIAL COMPLETION REPORT

WELL - ZOOK #2-2

LEGAL - SE/4 of SEC. 2-23S-16W in PAWNEE CO., KS

API # - 15-145-21,525

G.L. - 2027'

K.B. - 5' ABOVE G.L. @ 2032'

SURFACE CSN - 8 $\frac{1}{2}$ " @ 270' w/ 225 SXS

RTD - 4100'

LTD - NO OPEN HOLE LOG RAN

PRODUCTION CSN - 4 $\frac{1}{2}$ ", 10.5# @ 4099' w/ 100 SXS DV @ 2670' w/ 450 SXS

TOP OF CEMENT - 3610' BOTTOM STAGE w/ EXCELLENT BONDING.

PBTD - 4088' (ELI 7/13/05)

PERFORATIONS - CONGLOMERATE - 4003-4021' 2/FT 7/14/05

TUBING IN HOLE - 15' MA, S.N., 129 JT, 2 $\frac{3}{8}$ " TBG (4045.46')

TUBING SET @ - 4064.56'

AVERAGE TBG JT - 31.36

PUMP RUN - 2" x 1 $\frac{1}{4}$ " x 12' RWE FOLLOW ROD w/ 6' G.A.

RODS RUN - PUMP, 2', 161 - 3 $\frac{1}{2}$ " RODS, 8', 6', 2', P.R.

PUMP SET @ - 4049.56'

PUMPING UNIT -

PRIME MOVER -

SURFACE EQUIPMENT -

ORIGINAL

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JUN 28 2006

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7/13/05

COMANCHE ON LOCATION TO RIG UP D-D DERRICK.
SIOUX TRUCKING ON LOCATION w/ TBG.
T.R. SERVICES ON LOCATION w/ DRILLING EQUIP.

RIH - w/ 3 7/8" BIT & TBG. TAG DV TOOL @ 2670'.
DRILL OUT - DV TOOL 2670'. TAG TTL DEPTH @ - 4008'.
CIRCULATE HOLE CLEAN.
POOH - w/ TBG & BIT.

ELI WIRELINE ON LOCATION TO RUN CEMENT BOND LOG AND GAMMA-RAY NEUTRON/CCL LOG.
FOUND TTL DEPTH - 4088'
FOUND TOP OF CEMENT BOTTOM STAGE - 3610' w/ EXCELLENT BONDING.
FOUND TOP OF CEMENT TOP STAGE - APPROX. 1815'.

SHUT DOWN FOR NIGHT.

7/14/05

COMANCHE SWABBED 4 1/2" CASING DOWN TO 3500'.

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED INTERVAL IN CONGLOMERATE USING 32
GRAM EXPENDABLE CSN GUN.
PERFORATE CONGLOMERATE - 4003-4021' 2 SHOTS/FT.

COMANCHE SWABBED WELL DOWN TO TTL DEPTH w/ GOOD SHOW OF GAS.
1/2 HR NATURAL TEST - REC. - NO FLUID TEST GAS @ 280 MCFPD.
1 HR NATURAL TEST - REC. - NO FLUID TEST GAS @ 225 MCFPD.
1 HR NATURAL TEST - REC. - NO FLUID TEST GAS @ 250 MCFPD.

SHUT DOWN FOR NIGHT.

7/15/05

SICP - 200# FLUID LEVEL - NO FLUID IN HOLE. SBHP - 226#.

ORIGINAL

ACID SERVICES ON LOCATION w/ 2500 GALS 15% DSFE.

ACIDIZE CONGLOMERATE PERFORATIONS AS FOLLOWS:

PUMP 2500 GALS 15% DSFE. LOAD HOLE w/ FIELD BRINE.
PRESSURE TO 800#. START FEEDING. PRESSURE DROP TO 400#.
DISPLACE ACID @ 1 1/4 BPM - 400-500#.
ISIP - 300#, VAC. - 4 MINUTES.

COMANCHE RIGGED TO SWAB BACK ACID LOAD & TEST CONGLOMERATE AFTER ACID.

TEST CONGLOMERATE PERFORATIONS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 200' FROM SURFACE.
SWAB WELL DOWN. REC. - 60 BBLs. SHOW OF GAS.
1 HR TEST - REC. - 0.83 BBLs TEST GAS @ 6 MCF.
1 HR TEST - REC. - 0.83 BBLs TEST GAS @ 11 MCF.
1 HR TEST - REC. - 0.41 BBLs TEST GAS @ 17 MCF.

SHUT WELL IN.

COMANCHE RIGGED DOWN. WAITING ON FRAC EQUIPMENT.

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7/25/05

ACID SERVICES ON LOCATION TO FRACTURE STIMULATE CONGLOMERATE PERFORATIONS 4003-21' w/ 23,700 GALS 70% N2 FOAM AND 26,500# SAND, TAILING IN w/ 5000# RESONATED SAND TO MINIMIZE SAND PRODUCTION.

FRAC CONGLOMERATE PERFORATIONS AS FOLLOWS:

- PUMP 8000 GALS 70% N2 FOAM PAD, EST. INJ. RATE @ 18 BPM - 1950#.
- PUMP 3000# 20/40 SAND @ 1 PPG (3000 GALS) @ 18 BPM - 1950#.
- PUMP 6000# 20/40 SAND @ 2 PPG (3000 GALS) @ 18 BPM - 1900#.
- PUMP 7500# 20/40 SAND @ 2½ PPG (3000 GALS) @ 18 BPM - 1875#.
- PUMP 5000# 12/20 SAND @ 2½ PPG (2000 GALS) @ 18 BPM - 1900#.
- PUMP 5000# 12/20 AC-FRAC SAND @ 2½ PPG (2000 GALS) @ 18 BPM - 2000#.
- FLUSH SAND TO PERFS w/ 2700 GALS N2 FOAM @ 18 BPM - 2200#.
- ISIP - 2000#
- TTL LIQUID LOAD TO RECOVER = 140 BBLS

SHUT WELL IN. SHUT DOWN FOR DAY.

7/26/05

COMANCHE WELL SERVICE BACK ON LOCATION. RIGGED UP D-D DERRICK.

- 26 HR SICP - 205#.
- OPEN WELL UP & STARTED FLOWING.
- 1 HR FLOW TEST - REC. - 5 BBLS OF WATER w/ GOOD GAS BLOW.

COMANCHE SHUT DOWN FOR DAY. LEFT WELL OPEN TO SWAB TANK OVERNIGHT.

7/27/05

FCP - DEAD. WELL FLOWED APPROX. 0.42 BBLS OVERNIGHT.

COMANCHE RIGGED UP 4½" CASING SWAB TOOLS.

ORIGINAL

SWAB & FLOW TEST CONGLOMERATE PERFORATIONS AFTER FRAC AS FOLLOWS:

- FOUND FLUID LEVEL @ 3400' FROM SURFACE.
- SBHP - CALCULATES 287 psi.
- MADE 1 SWAB RUN FROM 3800'. WELL KICKED OFF FLOWING.
- 1 HR FLOW - REC. - 11.69 BBLS TRACE OF OIL TEST GAS @ 27 MCFPD
- 1 HR FLOW - REC. - 5.84 BBLS TRACE OF OIL TEST GAS @ 25 MCFPD
- 1 HR FLOW - REC. - 7.17 BBLS TRACE OF OIL NO GAS TEST
- NOTE: WELL QUIT FLOWING, START SWABBING @ 1 RUN/HR.
- 1 HR SWAB TEST - REC - 4.59 BBLS TEST GAS @ 337 MCFPD
- 1 HR SWAB TEST - REC - 4.59 BBLS TEST GAS @ 352 MCFPD
- 1 HR SWAB TEST - REC - 2.50 BBLS TEST GAS @ 455 MCFPD
- 1 HR SWAB TEST - REC. - 3.34 BBLS TEST GAS @ 563 MCFPD
- 1 HR SWAB TEST - REC. - 3.75 BBLS TEST GAS @ 757 MCFPD
- 1 HR SWAB TEST - REC. - 1.25 BBLS TEST GAS @ 757 MCFPD
- 1 HR SWAB TEST - REC. - 1.67 BBLS TEST GAS @ 757 MCFPD

RECOVERING SLIGHT TRACE OF OIL ON FLUID RECOVERY.

SHUT DOWN FOR NIGHT.

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7/28/05

SICP - 190#, BLOW WELL DOWN.

GREAT PLAINS ON LOCATION w/ HI PRESS WATER TRUCK TO KILL & CONTROL WELL w/ 40 BBLS FIELD BRINE.

RIG UP SAND PUMP.

SAND PUMP - REC - 6 GALS SAND, 11' RECOVERY.

RIG DOWN SAND PUMP.

RIG TO RUN PRODUCTION TUBING.

SIOUX TRUCKING ON LOCATION w/ USED TUBING AND RODS FROM UNRUH D-1 LEASE.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR x 2 3/8"	15.00'
SEATING NIPPLE x 2 3/8"	1.10'
129 JTS USED 2 3/8" TBG	4045.46'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TBG SET @	4064.56'
S.N. SET @	4049.56'

TAG TTL DEPTH @ 4072', PICK UP & SET TBG 7' OFF BOTTOM.

NOTE: WE STILL HAVE 17' SAND FILL IN WELL BORE.

SHUT DOWN FOR NIGHT.

7/29/05

COMANCHE ON LOCATION, RIGGED TO RUN BOTTOM HOLE PUMP & RODS.

RUN PUMP AND RODS AS FOLLOWS:

2" x 1 1/4" x 12' RWBC HOLLOW ROD PUMP	14.00'
2' x 3/4" ROD SUB	2.00'
161 - USED 3/4" RODS	4025.00'
8' - 6' - 2' x 3/4" ROD SUBS	16.00'
1 1/4" x 16' POLISHED ROD	16.00'
PUMP SET @	4049.56'

ORIGINAL

COMANCHE RIGGED DOWN & MOVED OFF LOCATION.

WILL SET SURFACE EQUIPMENT & LAY GAS LINES TO LUMEN LOW PRESSURE GAS PIPELINE SYSTEM ASAP.

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