

OIL PRODUCERS INC., OF KS.  
INITIAL COMPLETION REPORT

WELL - LYON #1

LEGAL - NW/NW/SE OF 21-32s-19w IN COMANCHE CO. KS.

API# - 15-033-20,980

K.B. - 8' ABOVE G.L. @ 1961'

G.L. - 1953'

SURFACE CSN - 8 5/8" @ 663' WITH 250 SX

RTD - 5400'

LTD - 5395' (ELI 11/20/98)

PRODUCTION CSN - 4 1/2", 10.5# @ 5394' WITH 215 SX EA-2.

TOP OF CEMENT - 4125'

PBTD - 5323' (ELI WIRELINE LOG 11/27/98) CIBP - 5150' (SET 1/25/99)

PERFORATIONS      MISSISSIPPI-----5115'-5127' 4 SHOTS/FT. 12/3/98  
                         MISSISSIPPI-----5156'-5158' 4 SHOTS/FT. 12/3/98 (UNDER PLUG)  
                         MISSISSIPPI-----5180'-5183' 4 SHOTS/FT. 12/3/98 (UNDER PLUG)  
                         MISSISSIPPI-----5202'-5205' 4 SHOTS/FT. 12/2/98 (UNDER PLUG)

TUBING RAN - 15' MA, SN, 165 JTS. USED T&D 2 3/8" TUBING (5124.62')

TUBING SET@ - 5145.72'

AVERAGE JT. - 31.05'

PUMP RAN - 2" X 1 1/2" X 14' RWTC WITH 6' GAS ANCHOR.

RODS RAN - PUMP, 2' X 3/4" SUB, 149 - 3/4" RODS, 55 - 7/8" RODS, 1 1/4" X 16' P.R.

PUMP SET@ - 5130.72'

PUMPING UNIT - KINCAID 160 WITH 74" STROKE, SERIAL # - 16085063

ENGINE - CONTINENTAL C-96

TANK BATTERY -      MCDONALD 6' X 15' HEATER TREATER, SERIAL # 4564  
                         2 - 10' X 12' 210 BBL STEEL STOCK TANKS  
                         10' X 12' 210 BBL FIBERGLASS WATER TANK.  
                         SKID MOUNTED LINE HEATER AND VERTICAL SEPARATOR.  
                         (CONSISTING OF 20" X 7' VERTICAL SEPARATOR, 500# WP, W/MAN. DUMP.  
                         AND BS&B HORIZONTAL HEATER TREATER.

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STATE OF KANSAS  
COMMISSIONER OF REVENUE

FILED 2 5 1999

OFFICE OF THE COMMISSIONER  
OF REVENUE  
TOPEKA, KANSAS

11/27/98

ELI WIRELINE ON LOCATION TO RUN CORRELATION & SONIC CEMENT BOND LOG.  
FOUND TOTAL DEPTH - 5323' (THIS IS 39' HIGH TO TOP OF INSERT @ 5362')  
FOUND TOP OF CEMENT - 4125' WITH GOOD CEMENT BONDING ACROSS PAY ZONES.

12/1/98

COMANCHE WELL SERVICE ON LOCATION, RIGGED UP D-D POLE UNIT.  
 SWABBED 4 1/2" CASING DOWN TO 4500' FROM SURFACE.  
 SHUT DOWN FOR THE NIGHT.

12/2/98

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED INTERVAL IN LOWER MISSISSIPPI.  
PERFORATED MISSISSIPPI - 5202'-5205' WITH 4 SHOTS/FT. USING EXPENDABLE CSN GUN.

COMANCHE SWABBED 4 1/2" CASING DOWN TO TOTAL DEPTH.  
1/2 HR. NATURAL TEST PERFS 5202'-05' - RECOVERED NO FLUID, WITH SHOW OF GAS.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 5202'-05' WITH 500 GALS 15% DSFE ACID.

ACIDIZE MISS PERFS 5202'-05' AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.  
 LOAD HOLE WITH FIELD BRINE.  
 PRESSURED SLOWLY IN INTERVALS TO 1300 psi, BROKE BACK.  
 DISPLACED 200 GALS ACID @ 1 BPM - 310 psi TO 143 psi.  
 DISPLACED 300 GALS ACID @ 2 BPM - 153 psi.  
ISIP - 100 psi, VAC - < 1 MINUTE, TOTAL LOAD - 94 BBLs.

COMANCHE RIGGED TO SWAB BACK ACID LOAD & TEST MISS PERFS 5202'-05' AFTER ACID.

TEST LOWER MISS PERFS 5202'-05' AFTER ACID AS FOLLOWS:

SWAB WELL DOWN, RECOVERED 100.20 BBLs, VERY GOOD SHOW OIL & GAS.  
1/2 HR. TEST - RECOVERED 6.68 BBLs, 100% HIGH GRAVITY OIL, TEST GAS @ 110 MCFPD.  
1/2 HR. TEST - RECOVERED 5.01 BBLs, 100% HIGH GRAVITY OIL, TEST GAS @ 121 MCFPD.

ELI WIRELINE ON LOCATION TO PERFORATE UPPER MISS INTERVALS.  
 DUE TO COLLAR LOCATOR MALFUNCTION COULD NOT PERFORATE TONIGHT.  
 SHUT DOWN FOR THE NIGHT.

12/3/98

SICP - LIGHT BLOW, FLUID LEVEL - 400' DOWN, FILL-UP OIL% - ASSUMING 100%.  
SBHP - LOWER MISS PERFS 5202'-05' CALCULATES 1695 psi

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED INTERVALS IN UPPER MISSISSIPPI.  
PERFORATED MISSISSIPPI-----5180'-5183' 4 SHOTS/FT. USING EXPENDABLE 32 GRAM CSN GUN.  
PERFORATED MISSISSIPPI-----5156'-5158' 4 SHOTS/FT. USING EXPENDABLE 32 GRAM CSN GUN.  
PERFORATED MISSISSIPPI-----5115'-5127' 4 SHOTS/FT. USING EXPENDABLE 32 GRAM CSN GUN.

JW TRUCKING ON LOCATION, DELIVERED 169 JTS. USED, TESTED, DRIFTED, & HUB MACHINED  
 2 3/8" TUBING (5283.40'), ALL PURCHASED FROM A&W SUPPLY.

HALLIBURTON ON LOCATION WITH 4 1/2" RBP PLUG AND RTTS PACKER.  
RIH - WITH TOOLS AND 2 3/8" TUBING.

ORIGINAL

12/3 CONT.

STRADDLE MISS PERFS 5180'-83' WITH TOOLS.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 5180'-83' WITH 500 GALS 15% DSFE ACID.

ACIDIZE MISS PERFS 5180'-83' AS FOLLOWS:

PUMP 500 GALS DSFE ACID.

SPOT ACID @ TOOL WITH 8 BBLS FIELD BRINE. CLOSE BY-PASS.

PRESSURED TO 50 psi, START FEEDING.

DISPLACED ACID @ 2 BPM - 280 psi.

ISIP - VAC, TOTAL LOAD - 32 BBLS.

COMANCHE RIGGED UP TUBING SWAB TO SWAB BACK ACID LOAD & TEST MISS PERFS 5180'-83' AFTER ACID.

TEST MISS PERFS 5180'-83' AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 1000' FROM SURFACE.

SWAB WELL DOWN, RECOVERED 16.70 BBLS. TEST GAS @ 101 MCFPD.

SHUT DOWN FOR THE NIGHT.

12/4/98

SITP - 365 psi, FLUID LEVEL - 2300' DOWN, FREE OIL - 1450', OVERNIGHT OIL% - 50%

SBHP - MISS PERFS 5180'-83' CALCULATES 1596 psi.

CONTINUE TESTING MISS PERFS 5180'-83' AS FOLLOWS:

SWAB WELL DOWN & RECOVERED 10.3 BBLS.

1/2 HR. TEST - RECOVERED 3.34 BBLS, 100% HIGH GRAVITY OIL, TEST GAS @ 108 MCFPD.

NOTE: - IT IS DETERMINED THAT MISS PERFS 5202'-05' AND 5180'-83' ARE MOST LIKELY COMMUNICATED, DUE TO LOW BREAK DOWN PRESSURES ON ACID JOB OF PERFS 5180'-83', AND VERY SIMILAR TEST RESULTS AFTER ACID OF EACH.

HALLIBURTON ON LOCATION TO MOVE TOOLS.

PICK UP & STRADDLE MISS PERFS 5156'-58' WITH RBP & RTTS.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 5156'-58' WITH 500 GALS 15% DSFE ACID.

ACIDIZE MISS PERFS 5156'-58' AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.

SPOT ACID @ TOOL WITH 8 BBLS FIELD BRINE. CLOSE BY-PASS.

PRESSURED TO 1200 psi & STARTED FEEDING @ 1/3 BPM.

DISPLACED 50 GALS ACID @ 1 BPM - 375 psi TO 200 psi.

DISPLACED 450 GALS ACID @ 2 BPM - 250 psi TO VAC.

ISIP - VAC, TOTAL LOAD - 32 BBLS.

COMANCHE RIGGED TO SWAB BACK ACID LOAD & TEST MISS PERFS 5156'-58' AFTER ACID.

TEST MISS PERFS 5156'-58' AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 1300' DOWN.

SWAB WELL DOWN. RECOVERED 28.35 BBLS. GOOD SHOW OF OIL & GAS.

1/2 HR. TEST - RECOVERED 5.01 BBLS, 36% OIL. TEST GAS @ 100 MCFPD.

HALLIBURTON MOVED TOOLS UP & STRADDLED MISS PERFS 5115'-27'.

RECEIVED  
STATE OIL & GAS COMMISSION

FEB 23 1999

CONSERVATION DIVISION  
KANSAS

12/4 CONT.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 5115'-27' WITH 1500 GALS 15% DSFE ACID.

ACIDIZED MISS PERFS 5115'-27' AS FOLLOWS:

PUMP 1500 GALS 15% DSFE ACID, CLOSE BY-PASS @ 825 GALLS WITH ACID ON BOTTOM.

PRESSURED TO 1600 psi, BROKE BACK TO 850 psi &amp; FEEDING.

DISPLACED 250 GALS ACID @ 2 BPM - 800 psi TO 550 psi.

DISPLACED 850 GALS ACID @ 3 BPM - 900 psi TO 350 psi.

DISPLACED 400 GALS ACID @ 3.5 BPM - 700 psi TO 650 psi.

ISIP - VAC, TOTAL LOAD - 57 BBLs.

COMANCHE RIGGED UP TUBING SWAB TO SWAB BACK ACID LOAD &amp; TEST MISS PERFS 5115'-27' AFTER ACID.

TEST MISS PERFS 5115'-27' AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 900' FROM SURFACE.

MADE 1 SWAB RUN &amp; WELL KICKED OFF FLOWING. VERY STRONG GAS.

PUT WELL TO PIT USING SIDE STATIC GAS MEASUREMENT. TEST GAS @ APPROX 4000 MCFPD.

INSTALL ORIFICE WELL TESTER, FLOWING TO PIT.

1/2 HR. FLOW TEST - MEASURE GAS @ 2500 MCFPD. HEAVY MIST OF FLUID.1/2 HR. FLOW TEST - MEASURE GAS @ 1612 MCFPD. HEAVY MIST OF FLUID, 28% OIL.1/2 HR. FLOW TEST - MEASURE GAS @ 1264 MCFPD. HEAVY MIST OF FLUID, 27% OIL.1/2 HR. FLOW TEST - MEASURE GAS @ 1064 MCFPD. HEAVY MIST OF FLUID, 36% OIL.15 MINUTE SIP - 300 psi.

SHUT DOWN FOR THE WEEKEND.

12/7/98SITP - 1465 psi, SBHP - (MISS PERFS 5115'-27') CALCULATES 1715 psi.

BLEW WELL DOWN, STARTED FLOWING.

HALLIBURTON ON LOCATION TO RE-ACIDIZE MISS PERFS 5115'-27' WITH 3000 GALS 15% SGA ACID AND 3000 GALS 25# GELLED WATER TO MAKE UP PAD ACID STIMULATION TREATMENT.

RE-ACIDIZED MISS PERFS 5115'-27' AS FOLLOWS:

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 5 BPM - 550 psi TO 30 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 6 BPM - 250 psi.

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 5 BPM - 400 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 5 BPM - 250 psi.

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 5 BPM - 750 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 5 BPM - 700 psi.

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 4 BPM - 800 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 4 BPM - 650 psi.

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 4 BPM - 900 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 4 BPM - 700 psi.

PUMP 500 GALS 15% SGA ACID, DISPLACE @ 4 BPM - 700 psi.

PUMP 500 GALS 25# GELLED WATER, DISPLACE @ 4 BPM - 800 psi.

FLUSH WITH 20 BBLs

ISIP - 480 psi, VAC - 3 MINUTES.TOTAL LOAD - 161 BBLs.

HALLIBURTON RELEASED PACKER, LATCHED ONTO RBP.

POOH - WITH TUBING AND TOOLS.REC'D  
STATE OF TEXAS  
COMMISSIONER OF AGRICULTURE

FEB 2 1999

COMMISSIONER'S DIVISION  
WILLIAM B. BAKER

12/7 CONT.

COMANCHE 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'
169 JTS. 2 3/8" TUBING	5254.86'
K.B. (8' < 3' ABOVE G.L.)	5.00'
<u>TUBING SET @</u>	5275.96'
SEATING NIPPLE SET @	5260.96'

PACKED TUBING OFF.

COMANCHE RIGGED TO SWAB BACK ACID LOAD OF PERFS 5115'-27' AND TEST ALL MISS PERFORATED INTERVALS TOGETHER VIA 2 3/8" TUBING SWAB.

SWAB BACK ACID LOAD AND TEST ALL MISS PERFS AS FOLLOWS:

FOUND FLUID LEVEL @ 800' FROM SURFACE.

SWAB 1 1/2 HRS. RECOVERED 35 BBLS. WITH GOOD SHOW OF GAS AND 10% OIL.

SHUT DOWN FOR THE NIGHT.

12/8/98

SICP - 560 psi, SITP - 80 psi

CONTINUE TESTING ALL MISS PERFORATIONS AS FOLLOWS:

SWAB TUBING FOR APPROX 5 HRS RECOVERED 78 BBLS, 50% OIL, CASING PRESSURE 1100 psi. WELL KICKED OFF FLOWING. FLOW WELL TO PIT.

1/2 HR. FLOW TEST TO PIT - MEASURE GAS @ 1600 MCFPD, OIL% = 50%, FCP - 770 psi.1/2 HR. FLOW TEST TO PIT - MEASURE GAS @ 1300 MCFPD, OIL% = 55%, FCP - 600 psi.1/2 HR. FLOW TEST TO PIT - MEASURE GAS @ 1233 MCFPD, OIL% = 46%, FCP - 500 psi.1/2 HR. FLOW TEST TO PIT - MEASURE GAS @ 1105 MCFPD, OIL% = 32%, FCP - 420 psi.

START FLOWING WELL TO TANK TO MEASURE FLUID VOLUMES.

1/2 HR. FLOW TEST TO TANK - RECOVERED 5.01 BBLS, 38% OIL, FCP - 380 psi.1/2 HR. FLOW TEST TO TANK - RECOVERED 6.68 BBLS, 42% OIL, FCP - 360 psi.

SHUT DOWN FOR THE NIGHT.

12/9/98SICP - 1230 psi, SITP - 1000 psi. FLUID LEVEL - 1600' FROM SURFACE.SBHP - CALCULATES 1554 psi.

BLOW TUBING AND CASING DOWN. WELL MISTING OIL ON ANNULUS BUT TBG DEAD ENOUGH TO RUN RODS.

RAN BOTTOM HOLE PUMP AND RODS AS FOLLOWS:

2" X 1 1/2" X 14' RWTC WITH 6' GAS ANCHOR	16.00'
2' X 3/4" ROD SUB	2.00'
159 - 3/4" - D INSPECTED RODS	3975.00'
50 - 7/8" - D INSPECTED RODS	1250.00'
4' X 7/8" ROD SUB	4.00'
1 1/4" X 16' POLISHED ROD	16.00'
<u>PUMP SET @</u>	5260.96'

CLAMPED RODS OFF.

COMANCHE RIGGED DOWN &amp; MOVED OFF LOCATION.

LEEPER ON LOCATION. BUILT TANK BATTERY GRADE @ ROAD TO SOUTH WEST OF WELL.

RECEIVED  
STATE OF TEXAS  
COMMISSION  
FEB 23 1999  
CONSERVATION DIVISION  
WELLS DIVISION

ORIGINAL

12/10/98

DICKS CONSTRUCTION ON LOCATION TO SET TANK BATTERY.

SET 6' X 15' HEATER TREATER - McDonald 25# WP, SERIAL # - 4564. (PURCHASED A&W SUPPLY)

SET 2 - 10' X 12' 210 BBL STEEL STOCK TANKS - (PURCHASED FROM DICK MOORE)

STREMMEL ON LOCATION TO ASSIST TANK BATTERY CONSTRUCTION.

STREMMEL ON LOCATION TO SET SKID MOUNTED LINE HEATER & VERTICAL SEPARATOR.

SKID MOUNTED LINE HEATER & SEPARATOR - CONSISTING OF 20" X 7 VERTICAL 500# WP SEPARATOR WITH MANUAL DUMP. AND BS&B HORIZONTAL LINE HEATER.

NOTE: - HEATER AND SEPARATOR TRANSFERRED FROM CAROTHERS BROTHERS.

12/11/98

GYP HILLS ROUSTABOUTS ON LOCATION, HOOKED UP WELL HEAD.

LAID DUAL LEAD LINES (BOTH 2 3/8" TUBING) FROM WELL HEAD TO TANK BATTERY.

LAID 1" SCH - 160 PVC GAS SUPPLY LINE BACK FROM HEATER TREATER TO ENGINE.

STREMMEL ON LOCATION TO SET WATER TANK FROM SHERTZ LEASE (OPIK STOCK)

SET 10' X 12' FIBERGLASS WATER TANK 200 BBL

12/12/98

GABEL LEASE SERVICE ON LOCATION WITH PUMPING UNIT FROM RADER LEASE.

SET KINCAID 160 PUMPING UNIT - SERIAL # - 16085063, WITH 74" STROKE

SET CONTINENTAL C-96 ENGINE.

KANSAS GAS SUPPLY IS IN THE PROCESS OF LAYING GAS LINE AND SETTING METERING STATION. SHOULD HAVE WELL IN PRODUCTION WITHIN 30-45 DAYS.

THIS WELL SHOULD BE A VERY NICE PRODUCER.

1/16/99

KANSAS GAS SUPPLY HAS GAS LINE METER RUN AND METER IN PLACE.

SITP - 1675 psi., SICP - 1675 psi.

PUT WELL IN SERVICE SELLING GAS FROM ANNULUS ONLY. LEFT UNIT SHUT DOWN.

1/17/99

WELL PRODUCED 163 MCFPD. FCP - 320 psi. OPEN CHOKE UP.

PUT UNIT IN SERVICE.

1/18/99

WELL PRODUCED 230 MCFPD, 25 BOPD, 13 BWPD. FCP - 120 psi. (RIDING LINE PRESSURE)

1/19/99

WELL PRODUCED 250 MCFPD, 18 BOPD, 15 BWPD.

GAS CHART WASHING. IT WAS DETERMINED THAT BOTTOM HOLE PUMP COULD BE BAD DUE TO LOW PRODUCTION LEVELS AS COMPARED TO COMPLETION VOLUMES.

COMANCHE WELL SERVICE ON LOCATION. CHANGED OUT BOTTOM HOLE PUMP.

PUT WELL BACK IN SERVICE.

1/20/99

WELL PRODUCED 190 MCFPD, 8 BOPD, AND 23 BWPD.  
 SHOT FLUID LEVEL AND DETERMINED THAT WELL IS PUMPED DOWN.  
 DECISION MADE TO PULL WELL AND TEST VIA CASING SWAB, AND ATTEMPT TO DETERMINE  
 CAUSE OF LOW PRODUCTION LEVELS.

COMANCHE WELL SERVICE ON LOCATION. RIGGED UP D-D POLE UNIT.  
POOH - WITH RODS AND PUMP.  
 LEFT WELL OPEN ON ANNULUS TO SELL GAS OVERNIGHT.  
 SHUT DOWN FOR THE NIGHT.

1/21/99

WELL PRODUCED 150 MCFPD VIA ANNULUS WITHOUT PUMPING UNIT.  
POOH - WITH TUBING.

COMANCHE RIGGED UP 4 1/2" CASING SWAB.

**TEST ALL MISS PERFS TOGETHER VIA CASING SWAB AS FOLLOWS:**

SWAB WELL DOWN, RECOVERED 3.34 BBLs, 100% OIL.  
1/2 HR. SWAB TEST - RECOVERED NO FLUID, GOOD GAS.  
1 HR. SWAB TEST - RECOVERED 1.67 BBLs, 100% LIGHT OIL, TEST GAS @ 189 MCFPD.  
1 HR. SWAB TEST - RECOVERED 1.67 BBLs, 100% LIGHT OIL, TEST GAS @ 193 MCFPD.  
 SHUT DOWN FOR THE NIGHT.

1/22/99

SICP - 595 psi. OPEN WELL UP TO BLOW DOWN.  
 WELL STARTED FLOWING A MIST OF VERY EMULSIFIED FLUID.  
 FLOW WELL FOR 1 1/2 HRS. RECOVERED 3 BBLs OF EMULSIFIED FLUID. WELL DIED.

**NOTE:** - IT IS DETERMINED THAT EMULSION IS POTENTIAL REASON FOR PRODUCTION DECLINE.  
 HALLIBURTON ON LOCATION. RECOVERED SAMPLE OF EMULSION AND TOOK TO LAB FOR  
 ANALYSIS. WE WILL CONTINUE TO SWAB TEST FOR REMAINDER OF DAY IN ATTEMPT  
 TO CLEAN UP WELL OF EMULSIFIED FLUID. HALLIBURTON WILL ANALYZE AND ADVISE  
 OF TREATMENT RECOMMENDATION.

**CONTINUE TO SWAB TEST AS FOLLOWS:**

SWAB WELL DOWN, RECOVERED 3.34 BBLs OF EMULSIFIED FLUID BUT CLEANING UP.  
1 HR. SWAB TEST - RECOVERED 1.67 BBLs, 100% CLEAN OIL, NO EMULSION, TEST GAS @ 216 MCF  
1 HR. SWAB TEST - RECOVERED 3.34 BBLs, 100% CLEAN OIL, NO EMULSION, TEST GAS @ 222 MCF  
1 HR. SWAB TEST - RECOVERED 1.67 BBLs, 71% CLEAN OIL, NO EMULSION, TEST GAS @ 216 MCF  
1 HR. SWAB TEST - RECOVERED 1.67 BBLs, 66% CLEAN OIL, NO EMULSION, TEST GAS @ 216 MCF  
1 HR. SWAB TEST - RECOVERED .83 BBLs, 100% CLEAN OIL, NO EMULSION, TEST GAS @ 200 MCF  
 SHUT DOWN FOR WEEKEND TO OBTAIN DAILY PRESSURE BUILD UP TEST.

1/23/99

SICP - 430 psi

1/24/99

SICP - 690 psi

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 STATE OF TEXAS  
 1/28/99  
 COUNTY OF DALLAS  
 RECORDS SECTION

ORIGINAL

1/25/99

SICP - 1010 psi.

**NOTE:** HALLIBURTON ANALYZED FLUID SAMPLE AND DETERMINED THAT WE HAD PRECIPITATED SOLIDS IN FORM OF IRON SULPHIDE. THE FLUID HAD BROKE OUT ON ITS OWN RULING OUT THE EMULSION THEORY. DECISION MADE TO SET CIBP OVER LOWER THREE MISSISSIPPI INTERVALS AND RE-TREAT UPPER MISS INTERVAL 5115'-27' WITH NITROGEN AND ACID IN AN EFFORT TO CLEAN OUT ANY PRECIPITATED SOLIDS OR FINES WITHIN THE FORMATION.

BLEW WELL DOWN FOR APPROX 4 HRS, UNTIL GAS VOLUMES AND FLUID MIST TO SURFACE HAD SUBSIDED ENOUGH TO ALLOW SETTING OF BRIDGE PLUG.

ELI WIRELINE ON LOCATION TO SET 4 1/2" CIBP OVER LOWER MISS INTERVALS.

SET 4 1/2" CIBP - 5150'.

COMANCHE 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'
165 JTS. 2 3/8" TUBING	5124.62'
K.B. (8' < 3' ABOVE G.L.)	<u>5.00'</u>
<u>TUBING SET @</u>	5145.72'
SEATING NIPPLE SET @	5130.72'

HALLIBURTON ON LOCATION TO RE-TREAT UPPER MISS PERFORATIONS 5115'-27' WITH 10,000 GALS 70 QUALITY FOAMED ACID.

**RE-ACIDIZE MISS PERFS 5115'-27' AS FOLLOWS:**

PUMP 10,000 GALS 70 Q FOAMED ACID @ 6 BPM - 1800 psi TO 2050 psi.

PUMP 3,000 GALS 70 Q FOAMED WATER FLUSH @ 6 BPM - 2050 psi.

ISIP - 1850 psi, 30 MIN SIP - 1540 psi/

TTL LIQUID LOAD - 94 BBLs, TTL NITROGEN - 205,000 SCF.

TTL ACID - 3000 GALS 15% SGA.

COMANCHE RIGGED UP BLOW LINE TO PIT FROM TUBING. RIGGED TO FLOW BACK NITROGEN FOAM TO PIT TO CLEAN UP.

**FLOW TEST AFTER RE-TREAT AS FOLLOWS:**

OPEN WELL UP TO PIT. SITP - 1540 psi.

1/2 HR. FLOW TO PIT - FCP - 750#, FTP - 100#, ESTIMATED FLOW RATE > 3000 MCFPD. HEAVY FOAM.

1/2 HR. FLOW TO PIT - FCP - 575 #, FTP - 50#, ESTIMATED FLOW RATE 2000 MCFPD, HEAVY MIST FL. TURN WELL DOWN PIPELINE THROUGH METER.

1 HR. FLOW DOWN PIPELINE - FCP - 580#, FTP - 110#, DELIVERING 550 MCFPD. BRINGING FLUID. LEFT WELL FLOWING INTO PIPELINE OVERNIGHT.

1/26/99

WELL DELIVERING 155 MCFPD AGAINST 110# PIPELINE.

WELL PRODUCED 3 BO, AND 18 BW IN 11 HRS. OVERNIGHT.

FCP - 580 psi.

RECEIVED  
STATE OF TEXAS  
COMMISSION

FEB 2 5 1999

COMMISSIONER'S OFFICE  
WILLIAM B. BAKER



ORIGINAL

1/26 CONT.

DECISION MADE TO RUN BOTTOM HOLE PUMP AND RODS. BLEW CASING AND TUBING DOWN TO ALLOW FOR RUNNING OF PUMP & RODS.

RAN PUMP & RODS AS FOLLOWS:

2" X 1 1/2" X 14' RWTC WITH 6' GAS ANCHOR	16.00'
2' X 3/4" ROD SUB	2.00'
149 - 3/4" RODS	3725.00'
55 - 7/8" RODS	1375.00'
1 1/4" X 16' POLISHED ROD	<u>16.00'</u>
<u>PUMP SET @</u>	5130.72'

PUT WELL IN SERVICE @ 9.5 SPM X 74" STROKE.

COMANCHE WELL SERVICE RIGGED DOWN & MOVED OFF LOCATION.

1/27/99

WELL PRODUCED 270 MCFPD, 18 BO, & 54 BW.

SHOT FLUID LEVEL, WELL PUMPED OFF.

SLOW PUMPING UNIT DOWN TO 6 SPM X 74" STROKE.

PUMP CAPACITY @ 100% EFFICIENCY = 120 BTFPD, @ 80% EFFICIENCY = 96 BTFPD.

1/28/99

WELL PRODUCED 200 MCFPD, 8 BO, AND 8 BW.

1/29/99

WELL PRODUCED 200 MCFPD, 10 BO, AND 3 BW

END OF REPORT

BRAD SIROKY.

RECEIVED  
STATE OF TEXAS  
COMMISSION

FEB 2 1999

COMMISSIONER OF THE STATE  
WATER BOARD