

15-175-21965

OIL PRODUCERS, INC. OF KANSAS
INITIAL COMPLETION REPORT

WELL - LEMERT #2-2

LEGAL - 1250' FNL & 1450' FEL of SEC. 2-32S-33W in SEWARD CO., KS

API # - 15-175-21965

G.L. - 2871'

K.B. - 5' ABOVE G.L. @ 2877'

SURFACE CSN - 8 $\frac{5}{8}$ " @ 1808'

RTD - 2850'

LTD - 2855'

PRODUCTION CSN - 4 $\frac{1}{2}$ " X 10.5# @ 2848' w/ 300 SXS A-CON & 125 SXS AA-2.

TOP OF CEMENT - SURFACE w/ GOOD BONDING ACROSS PAY INTERVALS

PBTD - 2818'

CIBP - CEMENT RETAINER @ 2740'

<u>PERFORATIONS</u> -	WINFIELD -	2751-2757'	2/FT	5/10/05	SQZ'D 150 SXS
	LOWER KRIDER -	2703-2710'	2/FT	5/13/05	
	UPPER KRIDER -	2672-2682'	2/FT	5/13/05	

COMPLETION DATE - 5/05

TUBING IN HOLE - M.A. - S.N. 86 JTS 2 $\frac{3}{8}$ " (2702.18')

TUBING SET @ - 2720.28'

AVERAGE TBG JT. - 31.42

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

RODS RUN - PUMP 2' x $\frac{3}{4}$ " 106 $\frac{3}{4}$ " 8-6-4-4' x $\frac{3}{4}$ " P.R. & LINER

PUMP SET @ - 2705.28'

PUMPING UNIT - SENTRY-114 S.N. - P114-001489 STROKE = 44

PRIME MOVER - C-66

SURFACE EQUIPMENT - 2' x 5' 250# W.P. VERTICAL GAS SEPARATOR
6' x 16' OPEN TOP FIBERGLASS WATER TANK

Report of
Completion
5/10/05

ORIGINAL

5/10/05

BLACKHAWK WELL SERVICE ON LOCATION TO RIG UP D-D DERRICK IN ORDER TO COMPLETE GAS WELL.

ELI WIRELINE ON LOCATION TO RUN SONIC CEMENT BOND & CORRELATION LOGS.
FOUND TTL DEPTH @ - 2819'
FOUND TOP OF CEMENT @ - SURFACE w/ GOOD BONDING ACROSS PAY INTERVALS.

BLACKHAWK RIGGED TO SWAB 4 1/2" CSN; SWAB CSN DOWN TO 2400' FROM SURFACE.

ELI WIRELINE ON LOCATION TO PERFORATE THE PROPOSED PAY INTERVAL IN THE WINFIELD FORMATION UTILIZING A 32 GRAM EXPENDABLE CSN GUN.

PERFORATE WINFIELD - 2751-57' 2/FT

BLACKHAWK RIGGED TO SWAB CSN DOWN TO TTL DEPTH AND TEST WINFIELD PERFS NATURALLY.

1/2 HR NATURAL SWAB TEST - RECOVERED NO FLUID, NO GAS.

ACID SERVICE ON LOCATION TO ACID STIMULATE WINFIELD PERFS w/ 500 GALS 15% DSFE ACID FLUSHING ACID TO PERFS w/ 2% KCL WATER.

ACIDIZE WINFIELD PERFORATIONS AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.
LOAD HOLE w/ 32 BBLS 2% KCL H2O.
PRESSURE TO 1000#, BROKE BACK.
DISPLACE 500 GALS ACID @ 2.5 BPM - 50#.
ISIP - VACUUM.
TTL LIQUID LOAD = 50 BBLS.

BLACKHAWK RIGGED TO SWAB TEST WINFIELD PERFS AFTER ACID VIA 4 1/2" CSN SWABBING.

SWAB TEST WINFIELD PERFORATIONS AFTER ACID AS FOLLOWS:

BLACKHAWK SWABBED CSN DOWN TO TTL DEPTH @ 2819'.
RECOVERED 30 BBLS.
1/2 HR SWAB TEST - REC. - 1.5 BBLS TEST GAS @ 4.42 MCF
1/2 HR SWAB TEST - REC. - 1.25 BBLS TEST GAS @ 2.76 MCF
1/2 HR SWAB TEST - REC. - 1.25 BBLS TEST GAS @ 2.76 MCF
1/2 HR SWAB TEST - REC. - 1.25 BBLS TEST GAS @ 2.76 MCF
1 HR SWAB TEST - REC. - 1.25 BBLS TEST GAS @ 3.92 MCF
1 HR SWAB TEST - REC. - 1.50 BBLS TEST GAS @ 4.84 MCF

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/11/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK OVERNIGHT SHUT-IN CSN PRESSURE.

SICP - 70# w/ 400' OF FLUID IN HOLE. SIBHP - CALCULATES 265#.

BLACKHAWK RIGGED TO SWAB 4 1/2" CSN TO TEST WINFIELD PERFS.

SWAB TEST WINFIELD PERFORATIONS AS FOLLOWS:

SWAB 4 1/2" CSN DOWN TO TTL DEPTH @ 2819'.
RECOVERED 3.5 BBLS.
1 HR SWAB TEST - REC. - 4.84 BBLS

Handwritten notes and signatures at the bottom right of the page, including "Lemert #2-2" and "2-325-33w".

5/11/05 CONTINUED

THIS WINFIELD FORMATION IS NON-COMMERCIAL DUE TO AMOUNT OF FLUID AND LACK OF NATURAL GAS; WILL SET CEMENT RETAINER OVER WINFIELD PERFS AND CEMENT SQUEEZE FORMATION OFF.

ELI WIRELINE AND T.R. SERVICE TOOL HAND ON LOCATION TO SET CEMENT RETAINER OVER WINFIELD PERFS.

SET CEMENT RETAINER @ - 2740'

BLACKHAWK RIGGED TO RUN 2 3/8" TUBING w/ CEMENT RETAINER STINGER.

RIH - w/ CEMENT RETAINER STINGER AND 2 3/8" TUBING.

T.R. SERVICE TOOL HAND AND ACID SERVICE ON LOCATION TO STING INTO RETAINER AND SQUEEZE WINFIELD PERFS w/ 150 SXS CEMENT w/ 2% CC.

SQUEEZE WINFIELD PERFORATIONS AS FOLLOWS:

STING INTO RETAINER.
LOAD ANULUS w/ WATER AND PRESSURE TO 500#.
EST. INJ. RATE VIA TBG @ 3.5 BPM - 500#.
MIX AND PUMP 150 SXS CEMENT @ 2 BPM.
VACUUM TO 1100#.
NOTE: OBSERVED RUNNING SQUEEZE VACUUM TO 1150#.
HELD SQUEEZE AT 1100#.
STING OUT OF RETAINER.
REVERSE CIRC. HOLE CLEAN.

BLACKHAWK RIGGED TO PULL 2 3/8" TUBING.

POOH - w/ TUBING AND CEMENT RETAINER STINGER.

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/13/05

BLACKHAWK WELL SERVICE ON LOCATION; RIGGED TO SWAB 4 1/2" CSN; SWAB CSN FROM SURFACE TO 2,000' FROM SURFACE.

ELI WIRELINE ON LOCATION TO RUN SONIC CEMENT BOND LOG AND CORRELATION LOG IN ORDER TO CHECK TO SEE IF CEMENT SQUEEZE ON WINFIELD FORMATION HELPED THE CEMENT BOND ACROSS LOWER KRIDER PAY INTERVAL.

FOUND TTL DEPTH @ - 2740'

CEMENT BONDING WAS MUCH BETTER ABOVE AND BELOW LOWER KRIDER PAY INTERVAL.

BLACKHAWK SWABBED CASING DOWN TO 2300' FROM SURFACE.

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED PAY INTERVALS IN THE UPPER KRIDER, LOWER KRIDER AND HERINGTON FORMATIONS UTILIZING 32 GRAM EXPENDABLE CSN GUNS.

<u>PERFORATE</u> -	LOWER KRIDER -	2703-2810'	2/FT
	UPPER KRIDER -	2672-2682'	2/FT
	HERINGTON -	2644-2654'	2/FT

BLACKHAWK RIGGED TO SWAB TEST UPPER & LOWER KRIDER AND HERINGTON PERFS NATURALLY VIA 4 1/2" CSN SWAB.

Lemert #2-2
2-325-33w

SWAB CSN DOWN TO TTL DEPTH @ 2740'.

5/13/05 CONTINUED

1/2 HR NAT. SWAB TEST - RECOVERED NO FLUID, SLIGHT SHOW OF GAS.

ACID SERVICE ON LOCATION TO ACID STIMULATE THE LOWER KRIDER, UPPER KRIDER AND HERINGTON PERFS UTILIZING 2,500 GALS OF 15% DSFE ACID AND 81 BALL SEALERS SPACED EQUALLY THROUGH THE LAST 2,000 GALS OF ACID.

ACID STIMULATE LOWER KRIDER, UPPER KRIDER AND HERINGTON PERFORATIONS AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.
PUMP 2,000 GALS 15% DSFE ACID w/ 80 BALL SEALERS SPACED EQUALLY.
HOLE LOADED w/ ACID.
PRESSURE TO 50#, BROKE BACK QUICKLY.
DISPLACE 500 GALS ACID @ 4 BPM - 100#.
DISPLACE 2,000 GALS ACID @ 6 BPM - 200# TO 6 BPM - 400#.
NOTE: OBSERVED EXCELLENT BALL ACTION THROUGHOUT JOB PRESSURES TO 2,000# 4 TIMES.
ISIP - VACUUM
TTL LIQUID LOAD = 105 BBLs.

BLACKHAWK RIGGED TO SWAB TEST LOWER KRIDER, UPPER KRIDER, AND HERINGTON PERFS AFTER ACID STIMULATION VIA 4 1/2" CSN SWABBING.

SWAB TEST LOWER KRIDER, UPPER KRIDER AND HERINGTON PERFORATIONS AS FOLLOWS:

SWAB 4 1/2" CSN DOWN TO TTL DEPTH @ 2740'.
RECOVERED 37 BBLs, SHOW OF GAS.
1/2 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 57.7 MCF
1/2 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 34.0 MCF

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/14/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK OVERNIGHT SHUT-IN PRESSURES.

SICP - 160# w/ 400' OF FLUID IN HOLE.

SIBHP - CALCULATES 362#. THIS IS TOO HIGH; MIGHT NOT HAVE HAD FLUID IN HOLE TILL BLOWING WELL DOWN.

BLACKHAWK RIGGED TO SWAB TEST UPPER KRIDER, LOWER KRIDER AND HERINGTON PERFS VIA 4 1/2" CSN SWABBING.

SWAB TEST LOWER KRIDER, UPPER KRIDER AND HERINGTON PERFORATIONS AS FOLLOWS:

SWAB CSN DOWN TO TTL DEPTH @ 2740'.
RECOVERED 5 BBLs w/ SHOW OF GAS.
1 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 21.7 MCF
1 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 110.6 MCF
1 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 166 MCF
1 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 177 MCF
1 HR SWAB TEST - REC. - 1.5 BBLs TEST GAS @ 177 MCF

SHUT WELL IN. SHUT DOWN FOR WEEKEND.

Lemert #2-2
2-32s-33w

5/16/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK SHUT-IN CSN PRESSURE.

SICP - 160# w/ 40' OF FLUID IN HOLE. SIBHP - CALCULATES 193#

BLACKHAWK RIGGED TO SWAB TEST LOWER KRIDER, UPPER KRIDER, AND HERINGTON PERFS VIA 4½" CSN SWAB.

SWAB TEST UPPER KRIDER, LOWER KRIDER,
AND HERINGTON PERFORATIONS AS FOLLOWS:

SWAB 4½" CSN DOWN TO TTL DEPTH @ 2740'.
RECOVERED 0.25 BBLS w/ GOOD SHOW OF GAS.
1 HR SWAB TEST - REC. - 0.75 BBLS TEST GAS @ 205 MCF.
1 HR SWAB TEST - REC. - 0.50 BBLS TEST GAS @ 193 MCF.

ACID SERVICE AND GORE NITROGEN ON LOCATION TO FRACTURE STIMULATE HERINGTON, UPPER KRIDER AND LOWER KRIDER PERFORATIONS w/ 22,000 GALS 70% N2O FOAM AND 31,000# OF 12/20 BRADY SAND TAILING IN w/ 4,000# OF AC-FRAC SAND TO MINIMIZE SAND PRODUCTION.

FRACTURE STIMULATE HERINGTON, UPPER KRIDER
AND LOWER KRIDER PERFORATIONS AS FOLLOWS:

PUMP 7000 GALS 70% N2 FOAM.
EST. INJ. RATE @ 17 BPM - 1100#.
PUMP 4,000# 12/20 SAND @ 1 PPG (w/ 4,000 GALS N2 FOAM) @ 17 BPM - 1150#.
PUMP 12,000# 12/20 SAND @ 2 PPG (w/ 6,000 GALS N2 FOAM) @ 17 BPM - 1050#.
PUMP 11,000# 12/20 SAND @ 3 PPG (w/ 3,667 GALS N2 FOAM) @ 17 BPM - 1100#.
PUMP 4,000# AC-FRAC SAND @ 3 PPG (1,333 GALS N2 FOAM) @ 17 BPM - 1100#.
FLUSH SAND TO PERFS w/ 1,800 GALS N2 FOAM @ 17 BPM - 1200#.
ISIP - 1150#.
TTL LIQUID LOAD = 171 BBLS

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/17/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK OVERNIGHT SHUT-IN PRESSURES AFTER FRAC.

SICP - 220#

BLACKHAWK RIGGED TO FLOW WELL BACK TO PIT, OPEN CSN; FLOW WELL TO PIT 2 HRS; WELL DIED; WAS FLOWING NITROGEN AND FOAM.

BLACKHAWK RIGGED TO SWAB TEST HERINGTON, UPPER KRIDER AND LOWER KRIDER PERFS AFTER FRAC VIA 4½" CSN SWAB.

SWAB TEST HERINGTON, UPPER KRIDER,
AND LOWER KRIDER PERFORATIONS AS FOLLOWS:

RAN CSN SWAB STEM, NO CUPS.
CHECK SAND FILL; HAVE APPROX. 16' OF SAND FILL.
SWAB CSN DOWN TO TTL DEPTH @ 2740'.
RECOVERED 13.5 BBLS OF 171 BBL FRAC LOAD.
1 HR SWAB TEST - REC. - 2 BBLS TEST GAS @ 34 MCF
1 HR SWAB TEST - REC. - 2 BBLS TEST GAS @ 41 MCF
1 HR SWAB TEST - REC. - 2 BBLS TEST GAS @ 48 MCF

Lemert#2-2
2-325-33w

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/18/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK OVERNIGHT SHUT-IN CSN PRESSURES.

SICP - 180# w/ NO FLUID IN HOLE. SIBHP - CALCULATES 196#.

BLACKHAWK RIGGED TO SWAB TEST HERINGTON, UPPER KRIDER AND LOWER KRIDER PERFS AFTER FRAC VIA 4½" CASING.

SWAB TEST HERINGTON, UPPER KRIDER,
AND LOWER KRIDER PERFORATIONS AS FOLLOWS:

BLACKHAWK RAN IN HOLE w/ SWAB STEM TO CHECK SAND FILL.
HAVE APPROX. 30' OF SAND FILL..
SWAB 4½" CSN DOWN TO TOP OF SAND FILL-UP @ 2710'.
RECOVERED 1.5 BBLs w/ GOOD SHOW OF GAS.

<u>1 HR SWAB TEST</u> - REC. - 1.00 BBL	TEST GAS @ 68.8 MCF
<u>1 HR SWAB TEST</u> - REC. - 1.50 BBLs	TEST GAS @ 78.1 MCF
<u>1 HR SWAB TEST</u> - REC. - 1.50 BBLs	TEST GAS @ 81.8 MCF
<u>1 HR SWAB TEST</u> - REC. - 1.50 BBLs	TEST GAS @ 81.8 MCF
<u>1 HR SWAB TEST</u> - REC. - 1.50 BBLs	TEST GAS @ 81.8 MCF
<u>1 HR SWAB TEST</u> - REC. - 1.50 BBLs	TEST GAS @ 81.8 MCF

LEAVE WELL OPEN TO TANK OVERNIGHT. SHUT RIG DOWN.

5/19/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK HOW MUCH FLUID FLOWED OVERNIGHT.
RECOVERED 15 BBLs. BLACKHAWK RIGGED TO SWAB TEST HERINGTON, UPPER KRIDER AND LOWER KRIDER PERFS VIA 4½" CSN SWAB.

SWAB TEST UPPER KRIDER, LOWER KRIDER,
AND HERINGTON PERFORATIONS AS FOLLOWS:

BLACKHAWK RAN CSN SWAB STEM TO CK SAND FILL IN WELL BORE.
HAVE APPROX. 40' OF SAND FILL IN HOLE.
SWAB CSN DOWN TO TOP OF SAND FILL @ 2700'.
RECOVERED 2.75 BBLs, GOOD SHOW OF GAS.

<u>2 HR SWAB TEST</u> - REC. - 1 BBL	TEST GAS @ 156 MCF
<u>2 HR SWAB TEST</u> - REC. - 1 BBL	TEST GAS @ 156 MCF
<u>2 HR SWAB TEST</u> - REC. - 1 BBL	TEST GAS @ 133 MCF
<u>2 HR SWAB TEST</u> - REC. - 1 BBL	TEST GAS @ 140 MCF

SHUT WELL IN. SHUT DOWN FOR NIGHT.

5/20/05

BLACKHAWK WELL SERVICE ON LOCATION TO CHECK SHUT-IN CSN PRESSURE.

SICP - 210#

BLEW CSN DOWN TO PIT.

BLACKHAWK RIGGED DOWN CSN SWAB; SWAB AND FLOW LINE, THEN RIGGED TO RUN 2¾" TUBING.

T.R. SERVICE TOOL HAND ON LOCATION w/ HYDRO-STATIC BAILER IN ORDER TO RUN IN HOLE AND CLEAN OUT SAND FILL-UP FROM WELL BORE.

Lemert #2-2
2-32s-33w

T.R. SERVICE TOOL HAND AND BLACKHAWK RIGGED BAILER TO GO IN HOLE ON 2 3/8" TUBING.

RIH - HYDRO-STATIC BAILER AND 2 3/8" TUBING.

5/20/05 CONTINUED

TAG TOP OF SAND FILL-UP AT 2700'.

T.R. SERVICE TOOL USED BAILER AND CLEANED 40' OF FRAC SAND FROM WELL BORE TO TTL DEPTH @ TOP OF CEMENT RETAINER @ 2740'.

BLACKHAWK RIGGED TO PULL 2 3/8" TUBING.

POOH - w/ TUBING AND HYDROSTATIC BAILER, DUMP FRAC SAND FROM BAILER; BREAK DOWN BAILER AND CLEAN UP MESS FROM DUMPING BAILER.

BLACKHAWK RIGGED TO RUN 2 3/8" TUBING IN HOLE FOR PRODUCTION.

RUN 2 3/8" PRODUCTION TUBING AS FOLLOWS:

2 3/8" MUD ANCHOR	15.00'
2" SEATING NIPPLE	1.10'
86 JTS NEW 2 3/8" TUBING	2702.18'
K.B. (5 < 3)	2.00'
<u>TUBING SET @</u>	<u>2720.28'</u>
<u>SEATING NIPPLE SET @</u>	<u>2705.28'</u>

BLACKHAWK TAGGED BOTTOM w/ TUBING AT 2740'; PICK UP AND LAND TUBING 19.5' OFF BOTTOM.

BLACKHAWK RIGGED TO RUN BOTTOM HOLE PUMP AND RODS FOR PRODUCTION.

RUN BOTTOM HOLE PUMP AND RODS AS FOLLOWS:

2' x 1 1/2" x 12' RWB PUMP w/ 6' GAS ANCHOR	14.00'
2' x 3/4" ROD SUBS	2.00'
106 3/4 USED RODS	2650.00'
8-6-4-4' x 3/4" ROD SUBS	22.00'
1 1/4" POLISHED ROD w/ 7' LINER	16.00'
<u>PUMP SET @</u>	<u>2705.28'</u>

BLACKHAWK SEATED PUMP; SPACED OUT ROD STRING; MOJAVE LLC LOADED HOLE w/ LSE SALT H2O; BLACKHAWK LONG STROKED; PUMPED OKAY; CLAMPED OFF ROD STRING; BLACKHAWK RIGGED DOWN WORK OVER RIG AND MOVED OFF LOCATION.

5/23/05 to 5/31/05

SHAWNEE LEASE SEARVICE, SIOUX TANK SERVICE AND KANSAS DIRT LLC ON LOCATION TO HOOK UP NEW GAS WELL.

KANSA DIRT BUILT PUMPING UNIT PAD AND PAD FOR 6' x 16' WATER TANK.

SHAWNEE PLUMBED IN WELL HEAD PLUMBING TUBING TO WATER TANK AND ANNULUS TO 2' x 5' 150# W.P. VERT. GAS SEPARATOR w/ FLUID DUMPS TO WATER TANK AND PLUMBING GAS SELLS OFF SEPARATOR TO 2" POLY; SHAWNEE THEN DITCHED AND LAID 2900' DUE WEST TO LERMERT #1-2 WHERE 2" POLY WAS TIED INTO GAS SALES LINE GOING FROM LERMERT #1-2 TO ONEOK LINE S.W. TO CO. ROAD AND MASTER METER. SHAWNEE ALSO SET AND PLUMBED IN 2" RUN METER RUNS w/ BARTON 3 PIN RECORDERS; SETTING METERS AT LERMERT #1-2 AND #2-2. THIS WILL MAKE ONEOK'S METER AT CO. ROAD THE MASTER METER.

Lemert #2-2
2-325-33w

SIOUX TANK MOVED FROM HAAS LEASE TO LEMERT #2-2 AND SET A 114-SENTRY S.N. P114-001489 w/ 34" STROKE; THEN SIOUX PICKED UP 6' x 16' OPEN TOP FIBERGLASS TANK @ LEMERT #2-2; KANSA THEN BUILT CONTAINMENT DIKE AROUND WATER TANK.

6/03/05

PUT WELL IN SERVICE.

6/04/05

WELL PRODUCING 70 MCF.

6/05/05

WELL PRODUCING 75 MCF.

6/06/05

WELL PRODUCING 70 MCF.

END OF REPORT
TIM THOMSON

Lemert #2-2
2-325-33w