

Black #1
NE NE NE
Section 11-34S-31W
Seward County, Kansas
DATE SPUDDED: 5/6/83
EL: 2,726' GL
2,737' KB

Operator: Kaiser-Rancis Oil Company
K-F et al WI: 100%
Drilling Contractor: Gabbert-Jones Drilling
Rig #12
Objective depth: 6,100'
Objective formation: Top Permian

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DATE	REPORTED ACTIVITY
5/4/83	Bldg loc.
5/5/83	Bldg loc.
5/6/83	0 Day. Activity at report time: Drilling. Present depth: 400' made 335' in 24 hrs. Formation: Sand. Bit #1 (12 $\frac{1}{4}$ " OSC3A) in @ 65' made 335' in 2 $\frac{1}{2}$ hrs. WOB 10,000, RPM 140, PP 1000, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". MW 9.7, Vis 37, LCM 4. DMC \$552. Time breakdown: 2 $\frac{1}{2}$ hrs Drilling, 21 $\frac{1}{2}$ hrs RU rotary, mxg mud, drlg rat & mouse holes. Spudded @ 4:15 am 5/6/83.
5/7/83	1 Day. Activity at report time: Rig rep. Present depth: 725' made 325' in 24 hrs. Formation: Redbed. Bit #1 (12 $\frac{1}{4}$ " OSC3A) in @ 65' made 660' in 6 $\frac{1}{2}$ hrs. WOB 15,000, RPM 140, PP 1000, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". Bit ser - re-tip. Dev svy: $\frac{1}{4}$ " @ 700'. MW 9.7, Vis 36, LCM 4. CMC \$552. Time breakdown: 4 hrs Drilling, 19 $\frac{1}{2}$ hrs Rig rep - draw wrks, $\frac{1}{4}$ hr SR, $\frac{1}{4}$ hr Svy.
5/8/83	2 Days. Activity at report time: Short trip. Present depth: 1,525' made 800' in 24 hrs. Formation: Anhydrite. Bit #1 (12 $\frac{1}{4}$ " OSC3A) in @ 65' out @ 1,525' made 1,460' in 15 $\frac{1}{4}$ hrs. WOB 30,000, RPM 140, PP 1000, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". Dev svy: 1" @ 1,480'. MW 9.7, Vis 35, LCM 6. DMC \$142. CMC \$695. Time breakdown: 8 3/4 hrs Drilling, $\frac{1}{4}$ hr Short trip, 12 hrs Rig rep - draw wrks, 2 $\frac{1}{2}$ hrs SR, $\frac{1}{2}$ hr Svy.
5/9/83	3 Days. Activity at report time: Drilling. Present depth: 1,540' made 15' in 24 hrs. Formation: Redbed. Bit #2 (7 7/8" F2) in @ 1,525' made 15' in $\frac{1}{4}$ hr. WOB 35,000, RPM 70, PP 1100, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". MW native. CMC \$695. Time breakdown: $\frac{1}{4}$ hr Drilling, 1 3/4 hrs Trips, $\frac{1}{2}$ hr Circ, 1 3/4 hrs Rng csg, 1 $\frac{1}{2}$ hrs Cmtg, 17 hrs WOC, 1 $\frac{1}{2}$ hrs Drlg plug & cmt. Ran 35 jts 8 5/8" 24# ST&C 1,519' set @ 1,518'. Cmtd w/600 sx HOWCO Lite 2% CC $\frac{1}{4}$ " flo cel foll w/150 sx class H: 3% CC. PD @ 12:30 pm 5/8/83. Cmt circ, float held, cmt fell bk 30', NU BOP.
5/10/83	4 Days. Activity at report time: Drilling. Present depth: 2,485' made 945' in 24 hrs. Formation: Redbed/Lime. Bit #2 (7 7/8" F2 rr) in @ 1,525' made 960' in 21 $\frac{1}{2}$ hrs. WOB 35,000, RPM 70, PP 1200, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". MW native. DMC \$305. CMC \$1,000. Time breakdown: 21 $\frac{1}{4}$ hrs Drilling, 2 3/4 hrs SR.
5/11/83	5 Days. Activity at report time: Drilling. Present depth: 3,075' made 590' in 24 hrs. Formation: Shale/Lime. Bit #2 (7 7/8" F2 rr) in @ 1,525' out @ 2,695' made 1,170' in 28 $\frac{1}{4}$ hrs. WOB 40,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". Bit #3 (7 7/8" Smith F3) in @ 2,695' made 380' in 11 $\frac{1}{2}$ hrs. Bit ser #EA3247. Dev svy: 3/4" @ 2,695'. MW 9, Vis 31, PV 5, YP 10, Gels 4/5, Solids 5.5, LCM 2. DMC \$278. CMC \$1,278. Time breakdown: 18 hrs Drilling, 2 $\frac{1}{4}$ hrs Trips, 3 $\frac{1}{2}$ hrs SR, $\frac{1}{4}$ hr Svy.
5/12/83	6 Days. Activity at report time: Drilling. Present depth: 3,685' made 610' in 24 hrs. Formation: Dolomite. Bit #3 (7 7/8" F3) in @ 2,695' made 990' in 33 $\frac{1}{2}$ hrs. WOB 40,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". MW 9, Vis 34, PV 4, YP 5, Gels 3/3, pH 8, Cake 3/32, CI 15,100, Solids 5, LCM 4. DMC \$1,028. CMC \$2,306. Time breakdown: 22 hrs Drilling, 1 hr SR, 1 hr Lost circ approx 150 B @ 3,120'.
5/13/83	7 Days. Activity at report time: Drilling. Present depth: 4,115' made 430' in 24 hrs. Formation: Shale/Lime. Bit #3 (7 7/8" F3) in @ 2,695' made 1,420' in 55 $\frac{1}{2}$ hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 $\frac{1}{2}$ ". MW 9.1, Vis 36, PV 6, YP 11, Gels 4/5, pH 8, WL 60, Cake 3/32, CI 10,800, Solids 6, LCM 4. DMC \$448. CMC \$2,754. Time breakdown: 22 hrs Drilling, 2 hrs SR.

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5/14/83	8 Days. Activity at report time: Drilling. Present depth: 4,645' made 530' in 24 hrs. Formation: Shale/Lime. Bit #3 (7 7/8" F3) in @ 2,695' made 1,950' in 78 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". MW 9.1, Vis 36, PV 5, YP 14, Gels 8/8, pH 8, WL 46, Cake 3/32, CI 7800, Solids 6, LCM 4. DMC \$689. CMC \$3,443. Time breakdown: 22 3/4 hrs Drilling, 1 1/4 hrs SR.
5/15/83	9 Days. Activity at report time: Trip for bit. Present depth: 5,061' made 416' in 24 hrs. Formation: Shale/Lime. Bit #3 (7 7/8" F3) in @ 2,695' out @ 5,061' made 2,366' in 98 1/2 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". Bit #4 (7 7/8" F3) in @ 5,061'. Bit ser #EA3289. Dev svy: 1 1/2 @ 5,016', MW 9, Vis 35, PV 6, YP 4, Gels 3/7, pH 8.5, WL 19.2, Cake 2/32, CI 4800, Solids 6, LCM 4. DMC \$410. CMC \$3,853. Time breakdown: 20 1/4 hrs Drilling, 1 1/4 hrs Trips, 2 1/4 hrs SR, 1/4 hr Svy.
5/16/83	10 Days. Activity at report time: Drilling. Present depth: 5,370' made 309' in 24 hrs. Formation: Lime. Bit #4 (7 7/8" F3) in @ 5,061' made 309' in 20 1/4 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". MW 9, Vis 37, PV 7, YP 6, Gels 6/11, pH 8, WL 20.8, Cake 2/32, CI 3900, Solids 6, LCM 6. DMC \$814. CMC \$4,667. Time breakdown: 20 1/4 hrs Drilling, 3 hrs Trips, 3/4 hr SR.
5/17/83	11 Days. Activity at report time: Drilling. Present depth: 5,725' made 355' in 24 hrs. Formation: Shale/Lime. Bit #4 (7 7/8" F3) in @ 5,061' made 664' in 41 3/4 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". MW 9, Vis 39, PV 13, YP 8, Gels 4/14, pH 8.8, WL 12.4, Cake 2/32, CI 2100, Solids 6, LCM 6. DMC \$963. CMC \$5,630. Time breakdown: 21 1/2 hrs Drilling, 1 1/2 hrs Trips, 1 hr Lost circ @ 5,404', est 100-150 B mud.
5/18/83	12 Days. Activity at report time: Drilling. Present depth: 6,040' made 315' in 24 hrs. Formation: Shale/Lime. Bit #4 (7 7/8" F3) in @ 5,061' made 979' in 64 1/2 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". MW 8.9, Vis 55, PV 10, YP 4, Gels 3/6, pH 10.5, WL 12.4, Cake 1/32, CI 2150, Solids 4.7, LCM 4. DMC \$985. CMC \$6,615. Time breakdown: 22 3/4 hrs Drilling 1 1/4 hrs SR.
5/19/83	13 Days. Activity at report time: Circ, full rtns. Present depth: 6,100' made 60' in 24 hrs. Formation: Lime. Bit #4 (7 7/8" F3) in @ 5,061' out @ 6,100' made 1,039' in 68 3/4 hrs. WOB 45,000, RPM 65, PP 1100, SPM 64, GPM 300, Liner 5 1/2". Dev svy: 1/2 @ 6,100'. MW 8.8, Vis 47, PV 17, YP 7, Gels 3/9, pH 11, WL 7.6, Cake 1/32, CI 1900, Solids 4.6, LCM 8. DMC \$1,493. CMC \$8,108. Time breakdown: 4 1/4 hrs Drilling, 8 hrs Trips, 5 hrs Circ, 1/4 hr SR, 1/4 hr Svy, 3 hrs Mixing mud, 3 1/2 hrs Logging. TD 7 7/8" hole @ 6,100' made 17 std short trip, circ 1 1/2 hrs, lost rtns. Mix mud spot 18# filler, used approx 400 B mud, hole standing full. T00H to rebuild vol, RU Gearhart-Owen loggers found bridge @ 2,850', TIH w/DP, presently circ on btm w/full rtns.
5/20/83	14 Days. Activity at report time: Rng csg. Present depth: 6,100' TD. Formation: Lime. MW 8.8, Vis 47, PV 17, YP 7, Gels 3/9, pH 11, WL 7.6, Cake 1/32, CI 1900, Solids 4.6, LCM 8. Time breakdown: 5 1/4 hrs Trips, 5 hrs Circ, 6 3/4 hrs Logging, 4 3/4 hrs LD DP 2 1/4 hrs Rng csg. T00H for logs, RU Gearhart, TD @ 6,089'. Logged w/DIL to surf pipe, CDL CNL to 2,594', RD loggers. TIH w/DP, circ 2 hrs, LD DP, presently rng csg.

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6/1/83	RU Beckman compl rig, TIH w/4 3/4" bit, sub 3 3 1/8" DC on 164 jts 2 3/8" tbg. Tag cmt @ 5,200', drl 2' cmt & DV t1 @ 5,202'. Pres tst to 1500#, ok. Ran tbg to 6,043' circ & CO to 6,058', displ hole w/2% KCl wtr SIFN.
6/2/83	TOOH w/tbg & bit, RU Welex, ran GR CBL TD @ 6,053', gd bond from TD to 5,956', gd bond from DV t1 @ 5,192 to 4,200'. Perf 5 1/2" csg opposite St. Louis 5,970-74', 4" csg gun 4 SPF. RD Welex TIH w/Baker mod 'R' pkr & SN on 2 3/8" tbg, set pkr @ 5,962', RU swb FL 300' swb 12 B to tank FFL 600' SDFN.
6/3/83	TP 0# FL 700' swb 31 BW & mud FL 5800' last 6 B 100% drlg mud, SIFN. This am TP 0# FL 5400'.
6/4/83	SITP 0# FL 5400' rec hvy mud RU Halli treat dwn tbg w/500 Gal 15% MCA flush w/2% KCl wtr. Hole loaded pres to 500# SD & let soak. Pres broke bk, put acid away 1.5 BPM 200# ISIP 50# 1 min vac. RU swb rec 42 B 6 B ov load. Last 6 B sho mud & wtr no gas or oil sho. SIFN. FFL 5700'. This am sli blo.
6/5/83	SITP 0# sli blo RU Western treat dwn 2 3/8" tbg w/4000 Gal 7 1/2% NE HCl cont 3 Gal/1000 LT21 5 Gal/1000 WK-1, flush w/2% KCl wtr. AIR 2 BPM 400# ISIP 0#. RU swb rec 84 BLW. Last 2 hrs rec 1/2 BPH FL 5900' no sho oil, sho of gas w/swb run 35 BLWTR SIFN. Wtr analysis from last swb run: spec grav 1.106 resis .11 @ 700 pH 7.0 Fe 250 Cl 81,400 Iodine neg KCl neg.
6/6/83	SITP 0# sli blo SIFS.
6/7/83	SITP 0# rel mod 'R' pkr, TOOH RU Welex set Baker CIBP @ 5,954'. Perf 5 1/2" csg w/4-way sqz hole @ 5,940' & 5,720', set Baker cmt ret @ 5,930'. TIH w/Baker stinger on 183 jts 2 3/8" tbg SIFN.
6/8/83	Fin TIH, sting into ret @ 5,930', RU Halli load tbg, est inj rate 3 BPM 700# sm blo on csg. Pmp 85 B 2% KCl wtr, wld not circ. Mix & pmp 75 sx class 'H' cmt w/10% Salt .5% CFR2. Had rtns thru part of displ, pull 7 stds to 5,496'. Rev out, TOOH w/tbg & t1s, TIH w/Baker ret pkr & tbg. Set pkr @ 5,626', pres csg to 700#, ok. Pmp dwn tbg est rate 2 BPM 775# mix & pmp 100 sx class 'H' w/10% Salt, stage & pres to 1500#, rev out & pull 4 stds, pres to 1000#, RD Halli SIFN.
6/9/83	Rel pkr, TOOH TIH w/4 3/4" bit, 3 DC on 2 3/8" tbg, tag cmt @ 5,660'. Drl 125' cmt to 5,785', ran tbg to 5,922', CO to 5,930'. Circ hole clean, pres to 1000#, held 950# ok. TOOH w/tbg & t1s, RU Welex, ran GR CBL TD @ 5,919' TOC 5,574' gd to poor bonding SIFN.
6/10/83	Welex perf 5 1/2" csg w/4" csg gun 1 SPF @ 5,780-81' 5,785-96' total 12 holes, 5,811-16' 4 holes. TIH w/Baker mod 'R' pkr & SN on 184 jts 2 3/8" tbg, set pkr @ 5,754'. RU swb rec 22 BW, no sho FL @ SN. This am SITP 25#.
6/11/83	11 hr SITP 25# FL 5100' swb 2 B, dry, SI. This am SITP 50#.
6/12/83	SIF hvy rains, SITP 50#.
6/13/83	SIFS.
6/14/83	48 hr SITP 120# made 1 swb run, FL 5100' rec 2 BW. RU Western, acidize dwn 2 3/3" tbg w/1500 Gal 7 1/2% NE HCl cont 4 1/2 Gal LT-21 7 1/2 Gal WK-1. Avg 4 BPM 1400# max 2700# used 25 BS, gd ball action, did not ball off. Flush w/2% KCl wtr, ISIP 300# 15 min 25# RU swb rec 43 BW, gd sho of oil, gd gas blo 17 BLWTR. This am 11 hr SITP 1500#.
6/15/83	SITP 1500# blo dwn in 30 min, swb 6 hrs rec total 2 BF 5% oil, gd blo of gas, left opn to tank 1/2" ck. This am gd blo of gas, no flu.
6/16/83	Fl o gd blo of gas 1/4" ck, unload & tally 194 jts 2 7/8" new tbg. Rel pkr, TOOH LT 2 3/8" tbg, chgd out t1s, TIH w/2 7/8" big bore mod 'R' pkr & SN on 186 jts 2 7/8" 6.5# EUE 8rd tbg set pkr @ 5,750'. ND BOP NU tree, made 1 swb run FL 500' SIFN.
6/17/83	Sli blo on tbg, FL 1500' swb 26 BW, last 2 hrs rec 2 BW w/gd gas blo SIFN. This am 14 hr SITP 1200# FL 4200'.

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6/18/83 SITP 1200# blo dwn in 20 min FL 4200', swb 3 BW w/sho of oil. RU Western, frac dwn 2 7/8" tbg w/40,000 G Gelled 3% acid, 45 T CO2 & 40,000# 16/30 Sd. AIR 12.5 BPM 3000# ISIP 1150# 15 min 800#. SI 1 hr TP 450# flo to pit 15 hrs FTP 200# 19/64" ck est 270 BLW too wet to burn 714 BLWTR.

6/19/83 Flo 24 hrs 19/64" ck TP 450# rec 194 BF 15% oil, gd gas sho 548 BLWTR.

6/20/83 Flo 24 hrs 19/64" ck TP 400# rec 96 BD 25% oil, gd gas sho 476 BLWTR.

6/21/83 Flo 24 hrs 19/64" ck TP 400# 73 BF 30% oil, gd gas sho 425 BLWTR.

6/22/83 Flo 24 hrs 19/64" ck TP 350# 69 BF 35% oil, gd gas sho, 380 BLWTR.

6/23/83 Flo 24 hrs 19/64" ck TP 300# 40 BF 35% oil 354 BLWTR.

6/24/83 Flo 21 hrs 19/64" ck TP 40# 65 BF 25% oil 305 BLWTR. Set test separator.

6/25/83 Flo 24 hrs thru sep 1/2" ck TP 100# sep pres 70# 700 MCF 8 B0 8 BW.

6/26/83 SIFBU.

6/27/83 SIFBU.

6/28/83 55 hr SITP 1300#. SIWOPL.

1/7/84 SITP 1500# 1st gas sls to Anadarko 1/6/84.

1/8/84 Flo 8 hrs 800 MCF/D rec 7 B0 15 BW, ck plgd off 275 BLWTR.

1/9/84 Flo 20 hrs 400 MCF 22 B0 84 BW, 191 BLWTR.

1/10/84 Flo 24 hrs TP 250# 370 MCF 16 B0 58 BW 133 BLWTR.

1/11/84 Flo 24 hrs TP 250# 370 MCF 8 B0 37 BW 86 BLWTR.

1/12/84 Flo 24 hrs TP 240# 370 MCF 10 B0 35 BW 61 BLWTR.

1/13/84 Flo 24 hrs TP 250# 340 MCF 12 B0 38 BW 23 BLWTR.

1/14/84 Flo 24 hrs TP 250# 320 MCF 8 B0 32 BW 9 B new wtr.

1/15/84 Flo 24 hrs TP 250# 280 MCF 5 B0 32 BW 41 B new wtr.

1/16/84 NR.

1/17/84 Well logged off.

1/18/84 NR.

1/19/84 NR.

1/20/84 72 hr SITP 850# flo to tank, dead in 1 hr SI.

2/3/84 POP.

2/12/84 RU Beckman compl rig, rel mod 'R' pkr, blo dwn TG & pmp 20 B 2% KCl wtr. NU BOP, tag btm @ 5,818', btm perf @ 5,816', LD 5,731', 2 7/8" TG & mod 'R' pkr. Chg out rams & BOP SIFN.

2/13/84 SIFS.

2/14/84 RU sd pmp, pmpd sd & drlg mud from 5,818-5,919', RD sd pmp SDFN.

2/15/84 TIH w/2 3/8" x 15' orange peeled perf MA, SN & 2 3/8" TG, tag btm @ 5,914'. Land SN @ 5,771' w/180 jts TG, btm MA @ 5,787', ran 2"x1 1/2"x16' pmp on 230 3/4"x25' sucker rods, hung on RD.

2/16/84 Made a tie-on to well & heater.

2/17/84 Fin HU, presently tstg.

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2/18/84	Pmp 24 hrs rec 48 BW CP 180# 7x54" SPM.
2/19/84	Pmp 8 hrs, eng dwn, rec 9 BW.
2/20/84	Pmp 24 hrs rec 42 BW, tr oil CP 180#.
2/21/84	Pmp 24 hrs rec 39 BW 10% oil, (filling heater treater) CP 180#, chg to 3/4" plate, selling 100 MCF/D.
2/22/84	Pmp 24 hrs rec 39 BW 30% oil, (filling heater treater) selling 110 MCF.
2/23/84	Pmpd 24 hrs rec 39 BW 30% oil (filling heater treater) selling 115 MCF CP 170#.
2/24/84	Pmp 24 hrs 7 SPM 54" 33 BW 125 MCF CP 160# 5" oil in sight glass on heater.
2/25/84	Pmp 24 hrs Rec 33 BW 3 B0 125 MCF.
2/26/84	Pmp 24 hrs Rec 24 BW 3 B0 125 MCF CP 160#.
2/27/84	Pmp 24 hrs Rec 24 BW 3 B0 125 MCF CP 160#.
2/28/84	Pmp 24 hrs Rec 24 BW 8 B0 120 MCF. <u>Final Report.</u>