

15-187-20377

SHOT HOLE!

DAILY COMPLETION REPORT

PROSPECT <u>Beauchamp</u>	YEAR <u>1974</u>	COUNTY <u>Stanton</u>	STATE <u>Kansas</u>
LEASE <u>Naomi</u>	WELL# <u>1</u>	API# <u>15-187-20,377</u>	
WELL LOCATION <u>S/2 NW SW</u>		SEC. <u>14</u>	TWSP <u>30s</u> RGE <u>41w</u>
OPERATOR <u>BEREXCO/Beren</u>		ELEVATION: <u>GR 3382'</u>	KB <u></u>
CONTRACTOR <u>Beredco</u>		GEOLOGIST <u>Jim Crawford</u>	
DEVELOPMENT WELL <u>XX</u>		PROSPECT TEST WELL <u></u>	
OWNERSHIP <u>1974 Beren Program</u>		IDENTIFICATION <u></u>	
SPECIAL TERMS <u></u>			

- 1/7/85 MIRU Well Service Unit. Ran cmt bond log. Log TD @ 5485'. Pressure tested csg to 2500#. Held OK.
- 1/8/85 Ran 2 3/8" tbg & perf gun assembly to 5468'. Started swabbing csg dry.
- 1/9/85 Down due to snowstorm.
- 1/10/85 Swabbed fluid level down to 5300'. Pulled up & positioned tbg gun with wireline. Dropped bar and shot interval 5401'-06', 4 SPF. Opened up tbg. Had good steady blow with gas to surface in 1/2 hr. Left tbg open 1 hr with no oil to surface. Shut well in overnight.
- 1/11/85 SITP-175#, SICP-275#. Blew well down. Tried to go thru separator, dump valve froze. Worked on separator. Moved in swab tank & set.
- 1/12/85 SITP-175, SICP-260. Swabbed 18 bbls & kicked off flowing @ 9:30 AM.
 10:30 AM, 8.2 B0, FCP-240#, not enough gas to measure
 11:30 AM, 4.7 B0, FCP-250#
 12:30 PM, 2.9 B0, FCP-260#
 1:30 PM, 5.3 B0, FCP-260#
 2:30 PM, 7.0 B0, FCP-260#
 3:30 PM, 8.2 B0, FCP-260# Still flowing
- 1/14/85 SITP-170#, SICP-260#. Blew down & died. Swabbed 13 bbls oil. Fluid 1400' from surface. Kicked off flowing thru separator @ 2:00 PM. Filling up heater treater. Well died. FTP-was 70# when turned thru separator & flowline. Not enough gas to keep well flowing.
- 1/15/85 SITP-140#, SICP-350#. Blew well down. Ran swab, fluid level 1200' from surface. Made 1 pull w/swab, flowed 30 min & died. Made another pull & kicked off again, flowed 2 hrs & died. Rigged down, moved off well service unit.
- 1/17/85 Hauled in rods from Hume #1.
- 1/18/85 Ran 3/4"x7/8" rods & 1 1/2" pump
- 1/19/85 Started up @ 10:00 AM. Started into stock @ 7:00 PM. 54" SL, 8 SPM
- 1/20/85 47 B0 in stock in 11 hrs.
- 1/21/85 92 B0. Down 9 hrs, engine trouble. Speeded up to 10 SPM.
- 1/22/85 70 B0. Down 6 hrs, ran out of casing head gas to run engine. Installed propane tank. Fluid level 54 jts from surface.
- 1/23/85 90 B0. On 22 hrs.

EM/jc

DAILY COMPLETION REPORT

PROSPECT Beauchamp YEAR 1974 COUNTY Stanton STATE Kansas
 LEASE Naemi WELL# 1 API# 15-187-20,377
 WELL LOCATION S/2 NW SW SEC. 14 TWSF 30s RGE 4lw
 OPERATOR BEREXCO/Beren ELEVATION: GR 3382' KB _____
 CONTRACTOR Beredco GEOLOGIST Jim Crawford
 DEVELOPMENT WELL XX PROSPECT TEST WELL _____
 OWNERSHIP 1974 Beren Program IDENTIFICATION _____
 SPECIAL TERMS _____

1/24/85 82 BO.
 1/25/85 113 BO. FCP-0#. 54" SL, 9 SPM, Fluid level 59 jts from surface
 1/26/85 80 BO. Speeded up.
 1/27/85 125 BO. FCP-37#.
 1/28/85 150 BO. FCP-90#.
 1/29/85 135 BO
 1/30/85 127 BO. FCP-260#, bled csg off
 1/31/85 53 BO. Down, separator trouble
 2/5/85 Separator repaired. Started well up
 2/6/85 100 BO
 2/7/85 140 BO
 2/8/85 149 BO
 2/9/85 130 BO TP-190#, CP-195#
 2/10/85 126 BO
 2/11/85 129 BO
 2/12/85 191 BO CP built up to 300#. Bled pressure off.
 2/13/85 220 BO Starting to make some gas. Well partially flowing. Will test gas.
 2/14/85 273 BO
 2/15/85 299 BO
 2/16/85 174 BO
 2/17/85 182 BO
 2/18/85 248 BO. SD pumping unit, flowing through pump. Set choke @ 20/64".
 2/19/85 175 BO
 2/20/85 211 BO. FTP-275#, FCP-430#
 2/21/85 210 BO
 2/22/85 199
 2/23/85 160 BO. FTP-220#, FCP-450#
 2/24/85 55 BO. Loading up, started pumping unit.

DAILY COMPLETION REPORT

PROSPECT Beauchamp YEAR 1974 COUNTY Stanton STATE Kansas
 LEASE Naemi WELL# 1 API# 15-187-20,377
 WELL LOCATION S/2 NW SW SEC. 14 TWSF 30s RGE 4lw
 OPERATOR BEREXCO/Beren ELEVATION: GR 3382' KB _____
 CONTRACTOR Beredco GEOLOGIST Jim Crawford
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Date	BO	Choke	FTP	FCP	Gas	
2/25/85	180	B0			Shut pumping unit back down. Set choke @ 13/64"	
2/26/85	210	B0				
2/27/85	188	B0				
2/28/85	218	B0			Hooked up Merla Tester	
					<u>Choke</u> <u>FTP</u> <u>FCP</u> <u>Gas</u>	
3/1/85	212	B0	13/64"	460	500	259 MCF, Inc choke to 14/64"
3/2/85	222	B0	14/64"	440	485	344 MCF, Inc choke to 21/64"
3/3/85	289	B0	21/64"	380	440	449 MCF, (fluctuating from 300-500 MCF/D)
3/4/85	290	B0	21/64"	300	410	400 MCF - avg. Inc choke to 24/64"
3/5/85	383	B0	24/64"	430	482	500 MCF - avg (fluctuating from 400-870 MCF/D) Inc. choke to 30/64"
3/6/85	316	B0	30/64"	310	365	640 MCF
3/7/85	173	B0	20/64" 15/64" 11/64"	400	450	522 MCF (flowed 2 hrs) 473 MCF (flowed 1 hr) 274 MCF (flowed 21 hrs)
3/8/85	80	B0	8/64" 8/64"	412 440	555 530	211 MCF (flowed 7 hrs) 175 MCF
3/9/85	50	B0	8/64"	480	510	156 MCF
3/10/85	35	B0	8/64"	265	270	86 MCF
3/11/85	5.5	B0	8/64"	80	100	53 MCF (Separator pressure is 50#). Well is loading up. Will try to start pumping unit. Started pumping @ 12:00 AM.
	1	B0	8/64"	50	65	10 MCF 12 AM. Opened choke to 10/64"
			10/64"	130	140	48 MCF 5 PM.
3/12/85	75	B0	10/64"	230	250	48 MCF 10 AM. Unit was down, had pumped most of night. Started back up.
3/13/85	69	B0	10/64"	280	310	60 MCF Unit down overnight, plugs fouled. Well still flowing. Left unit down.

DAILY COMPLETION REPORT

PROSPECT Beauchamp YEAR 1974 COUNTY Stanton STATE Kansas
 LEASE Naemi WELL# 1 API# 15-187-20,377
 WELL LOCATION S/2 NW SW SEC. 14 TWSF 30s RGE 41w
 OPERATOR BEREXCO/Beren ELEVATION: GR 3382' KB _____
 CONTRACTOR Beredco GEOLOGIST Jim Crawford
 DEVELOPMENT WELL XX PROSPECT TEST WELL _____
 OWNERSHIP 1974 Beren Program IDENTIFICATION _____
 SPECIAL TERMS _____

Date	Well	Choke	FTP	FCP	GAS	Notes
3/14/85	43 B0	10/64"	160	145	59 MCF	Loading up. Started unit.
3/15/85	89 B0	10/64"			41 MCF	Shut unit off
3/16/85	35 B0	10/64"			59 MCF	Started unit
3/17/85	79 B0	10/64"			53 MCF	
3/18/85	107 B0	10/64"			86 MCF	Shut unit off. Pinched choke to 6/64". Will Continue producing as long as gas stays below 100 MCF/D.

~~XXXXXXXXXXXX~~

- 6/11/85 Shut well in waiting on pipeline connection. Producing #2 only.
- 7/12/85 Connected #1 & #2 to pipeline. First gas sales.
- 7/13/85 Total lease prod from #1 & #2 - 209 B0, 45 MCF
- 7/14/85 Lease prod 258 B0, 119 MCF
- 7/15/85 Lease prod 199 B0, 95 MCF. #1 engine down in rain
- 7/16/85 Lease prod 78 B0. Treater malfunctioned, shut wells down to work on treater.
- 7/17/85 Lease prod 47 B0. Started #1 back up. Working on #2 engine.
- 7/18/85 Lease prod 116 B0, 69 MCF. Started #2 back up.
- 7/19/85 Lease prod 228 B0, 189 MCF.
- 7/20/85 Lease prod 198 B0, 189 MCF
- 7/21/85 Lease prod 243 B0, 176 MCF
- 7/22/85 Lease prod 249 B0, 189 MCF. #1 TP-240#, CP-925#
- 7/23/85 Lease prod 217 B0, 253 MCF #1 kicked off flowing. Shut unit down.
- 7/24/85 Lease prod 240 B0, 261 MCF. #2 cutting 8% water @ bleeder.
- 7/25/85 Lease prod 222 B0, 187 MCF
- 7/26/85 Lease prod 306 B0, 183 MCF
- 7/27/85 Lease prod 251 B0, 202 MCF
- 7/28/85 Lease prod 191 B0, 187 MCF
- 7/29/85 Lease prod 239 B0, 187 MCF #1 CP-440#, TP-425# (flowing up backside)
#2 CP-325#, pumping. Cutting 8-10% water.

FINAL REPORT

*D. Celia
Well Fil*

5½ at 5549'
Log TD 5492

Naomi #1

Stanton County, Ks.
14 30S 41W

1-7-85

Welex run CCL and cement bond, DS test casing to 2500#, Happy Painters fill cellar and lev location. Welex 2250 DS 900 Backhoe 100 Rig 435

1-8-85

Move in and rig up Plains DD, Unload 2 3/8 eue 8rd tubing, Get ready to run Welex tubing perf. gun on 2 3/8 new tubing, Run tubing gun to 5468', Swab 163 jts, Rig 870 Cups 30

1-9-85

Swab to 3200'. Shut down for snow storm, Rig 348 Cups 30

1-10-85

Swab to 5250', Pull 2 joints, Welex run correlation log to spot gun, Run 8' pup joint with 161 joints tubing, Spot top shot 5401', 5401-5406 4 SPF, Rig up tubing head with valves and tubing. Drop bar to set off gun, Hook up lead line, Gas to surface 20 minutes, 75# casing pressure 1½ hours. Shut in, Rig 957 Cups 75 Welex 2940

1-11-85

100# tubing 275# casing, Rig up swab lubricator and check fluid, 1500' from surface, Hook up to lead line swab to separator, Pull 2 times dump valve not working, Call for truck to move in swab tank, Rig 957 Cups 70

1-12-85

175 TP 260 CP Swab 18 bbl, well, Kicked off 9:30 AM, 10:30 8,15 bbl, 11:30 4,68 bbl, 12:30 2,93 1:30 5,26 2:30 7,02 3:30 8,19 Rig 1044

1-14-85

170 TP 260 CP Fluid 1400' from surface, Work on separator, Swab to kick off, 13 bbl, Go to separator, Flowed and set separator 50# died after approximately 1½ hrs, Close in, 60# tubing 300# casing Rig 1044

1-15-85

140# TP 350 CP Fluid 1200' from surface after blow down, Casing 320#, Died Pull swab 2nd time, from 3600', Pulled casing down to 300#, Died, Tear rig down, Rig 1044

4-1-89 MIRU BXCO Rig #5
 4-2-89 Shut down.
 4-3-89 Pulled rods & tubing. TIH w/tbg & pkr.
 4-4-89 SITP - 100#. Set pkr @ 5347'. Ran swab, fluid level @ 4200'. Rec 3 BO w/
 good blow of gas on swab down @ 12:15.
 12:45 .3 BO
 1:15 .5 BO
 Rig up Halliburton. Acidized Keyes with 300 gals xylene w.2% Hyflow IV,
 300 gals fresh water w/Clayfix II, 600 gals 15% NE-HCL, 1200 gals HF-Fe, 300
 galls Xylene w/.2% Hyflow IV, 600 gals fresh water w/Clayfix II and Clay Sta
 XP, flush w/fresh water w/Clayfix II treated 1 BPM @ 1800#. Broke to 1080#
 when HF acid hit. End 1 BPM @ 1090#. ISIP 180#, 2 min on vacuum. TLTR 102
 BBLs. Loaded annulus with oil and pressure tested to 2000#. Held OK. Ran
 swab, fluid level 950' from surface. Swabbed from 4:30 to 6:30 PM. Recovered
 30.4 BLW, strong blow of gas. Shut well in.

4-5-89 SITP 645#. Opened well up and kicked off flowing @ 8:00 AM
 9:00 AM .8BLW, trace oil flowing.
 10:00 3.3 BLW
 11:00 3.3 BLW
 12:00 3.3 BLW
 1:00 3.3 BLW
 2:00 1.7 BLW
 3:00 1.7 BLW
 4:00 .8 BLW
 5:00 .8 BLW 1% oil. 38/64 choke. FTP 50#. Left well flowing overnight.

4-6-89 Rec 20 BBL fluid overnight in 15 hours. FTP 60#
 8:00 AM FTP 60# oil cut 22%
 9:00 AM 1.33 BTF, 22% oil.
 Hooked well up to separator and sales line @ 12:00 PM.
 1:00 PM FTP 225#, 337 MCFD.
 Left well flowing to sales line overnight.

4-7-89 FTP 200#, Rec 3 BO in 17 hours. Released pkr & dumped oil from backside to
 kill well. TOH w/tbg. TIH w/tbg open ended. Ran 161 jts 2 3/8", SN @
 5402'. Ran rods in tbg. Pulled rods & layed down in singles. Swabbed 25
 BO back in 2 hours. Shut well in.

4-8-89 8:00 AM SITP 20#, SICP 20#, Ran swab, fluid level 3500' from surface.
 9:00 23.8 BO 20# CP
 10:00 14.9 BO 50# CP
 11:00 10.0 BO 70# CP
 12:00 6.5 BO 120# CP Kicked off flowing.
 1:00 1.7 BO 280# CP Flowing.
 Left well flowing to sales line.

4-9-89 FTP 90#, FCP 200#, 200 MCFD, no record of fluid.

4-10-89 FTP 60#, FCP 180#. Well logged off. Opened up to swab tank. Did not unload.
 Ran swab, fluid level 3500' from surface. Started swabbing @ 9:00 AM.
 10:00 11.7 BTF 95% oil
 11:00 15.0 BTF 5% oil (load water coming back)
 12:00 1.7 BTF 50% oil
 1:00 1.7 BTF 80% oil
 2:00 0.8 BTF 98% oil Kicked off flowing
 3:00 0.8 BTF 98% oil FTP 80#, CP 300#
 Opened well up to sales line. Selling 350 MCFD, FTP 200#, CP 350#.

4-11-89 FTP 185#, CP 360#, Avg 300 MCFD. No gauge on fluid as #2 is pumping into
 battery. Left well flowing to sales line. Shut down #2 to test #1.
 Rigged down, moved off BXCO rig #5.

4-12-89 350 MCF, 15 BO.
 4-13-89 414 MCF, 13 BO. FTP 130#, CP 340#.
 4-14-89 437 MCF, 17 BO.

4-15-89 437 MCF 13 BO.
4-16-89 448 MCF 18 BO
4-17-89 448 MCF, 18 BO, FTP 140#, CP 340#.

FINAL REPORT

Okmar (KS)

NAOMI #1

Workover (Page 1)

Objective: Squeeze csg leak.

BWO: 140 MCFPD, 40 BOPD.

- 1-13-90 MIRU Dunham Well Service Rig. Pulled rods & tbg. TIH w/tbg & RBP. Set RBP @ 5203'. TOH w/tbg.
- 1-14-90 Shut down.
- 1-15-90 Shut down.
- 1-16-90 TIH w/tbg & pkr. Test RBP to 2000#, held OK. Located hole in csg @ 3046'. Pumped in 2 BPM @ 200#. Set pkr @ 2880'. Pressured backside to 500#. Squeezed w/ 150 sx class H cmt (first 100 sx w/3% cc). Staged 2 hrs to 800# w/135 sx out. Left cmt 2 bbls below pkr. Shut tbg in.
- 1-17-90 TOH w/tbg & pkr. TIH w/tbg & bit. Shut down to let cmt set up.
- 1-18-90 Strated frilling up cmt. Drilled out of cmt @ 3088'. Pressured up csg to 800#, held OK. Ran bit to top of RBP @ 5203'. Circ hole clean w/salt water. Pulled 4 jts & shut down.
- 1-19-90 Shut down due to snowstorm.
- 1-20-90 Swabbing fluid level in csg down to 4200'. TOH w/tbg & bit. TIH w/tbg & catcher. Retrieved TBP & TOH w/tbg & RBP. Started bailing out drilling mud.
- 1-21-90 Shut down.
- 1-22-90 Bailed out 8 bbls heavy drilling mud from bottom of csg. TIH w/tbg & pkr. Hung pkr @ 5462' & swabbed 35 bbls muddy water from csg w/pkr unset. Fluid dried up. No oil or gas coming in.
- 1-23-90 SITP-0#. 200' fillup, muddy water. Swabbed tbg down. Swab 1 hr & recovered 50' heavy muddy water, no gas. Acidized w/750 gals 7½% MCA. Treated 13 GPM @ 600#, end @ 950#, ISIP-600#, 1 min-0#, TLTR-40bbls. Ran swab, fluid level 150' from surface. Recovered 13 BLW on swab down @ 4:00 pm.
5:00 5.7 bbls muddy water, trace oil, show of gas.
- 1-24-90 SITP-425#. Blew down tbg. Ran swab, fluid level 4000' from surface (scattered). Started swabbing @ 8:00 am.
8:00-5:00 Recovered 12 BTF avg 55% oil. Last 3 hrs ave 1.14 BPH w/est gas rate @ 70 MCFD. Water is acid water.
- 1-25-90 SITP-430#. Rec 1.14 BTF, 80% oil on swab down. TOH w/tbg & pkr. Perf Keyes sand 5395'-5408', 4 SPF w/csg gun. Found TD @ 5503'. TIH w/tbg & Elder isolation tool w/1' spacing between cups. Set pkr above perfs. Rec 2.3 BTF, 75% oil on swab down @ 1:00 pm.
2:00 1.7 BTF, 85% oil.
3:00 .6 BTF, 85% oil.
4:00 1.1 BTF, 85% oil.
5:00 .6 BTF, 90% oil. Est gas rate @ 70 MCFPD. Water is still muddy.

cc: Evan

Objective: Squeeze csg leak.

BWO: 140 MCFPD, 40 BOPD.

1-26-90 SITP-425#. Loaded tbg w/300 gals 15% FE-HCL & 600 gals lease oil. Dropped control valve in tbg. Lowered pkr & treated bottom 4' of perfs in 4 one ft settings. Pumped 25 gals acid per setting. Control valve plugged off. Pulled control valve w/sand line. Dropped another control valve. Broke down perfs 5395'-5401' in 6 settings. Pumped 25 gals lease oil per setting (lost 200 gals 15% HCL to backside when control valve was pulled). Set pkr above perfs. Fished control valve & standing valve. Acidized perfs as follows: Pumped 300 gals 15% FeHCL, 1800 gals HF/HCL, 300 gals xylene, 600 gals fresh water w/Clay fix, flushed w/fresh water w/clay fix. Treated 3/4 BPM @ 1300#, dropped to 200# when HF acid hit. Increased to 1400# @ end of job. ISIP-on vacuum. Ran swab, fluid level 300' from surface. TLTR-102 bbls. Swabbed 2 hrs & rec 24.5 bbls load water.

1-27-90 SITP-600#. Fluid level 4300' from surface. Rec 3.4 BLW on swab down @ 10:00 pm.
 11:00 3.0 BTF, trace of oil.
 12:00 1.5 BTF, trace of oil.
 1:00 1.1 BTF, trace of oil. Est gas rate 200-300 MCFPD.
 Released pkr & swabbed acid from backside to pit.

1-28-90 Shut down.

1-29-90 TOH w/tbg & pkr. Well kicked off flowing with 400' of tbg left to pull. Set pkr & dumped oil down backside. Released pkr & killed well with oil from backside. Pumped total of 55 bbls lease oil to kill well. FOH w/tbg & pkr. Bailed 2 hrs to clean up rathole. Ran 15' 2 7/8" mud anchor, 164 jts 2 3/8" tbg, 1-6' & 1-8" subs. Tag TD @ 5503'. Hung bottom of tbg @ 5499', SN @ 5474'.

1-30-90 Ran rods & 1 1/2" pump. POP. Rigged down, moved off rig.

1-31-90 Engine down.

2-1-90 19 BO, 220 MCF, CP-150#.

2-2-90 38 BO, 300 MCF, CP-200#.

2-3-90 10 BO, 300 MCF, CP-250#. Holding pressure on csg to keep gas on chart.

2-4-90 13 BO, 300 MCF, CP-250#.

2-5-90 12 BO, 300 MCF, CP-250#. KN putting in bigger plate in meter.

2-6-90 15 BO, 460 MCF, CP-320#.

2-7-90 1 BO, 518 MCF, CP-300#.

2-8-90 3 BO, 540 MCF, CP-250#.

2-9-90 3 BO, 770 MCF.

2-10-90 10 BO, 790 MCF.

2-11-90 8 BO, 780 MCF.

2-12-90 5 BO, 750 MCF, FTP-230#.

2-13-90 3 BO, 900 MCF. Shut down pumping unit. Well flowing.

2-14-90 Well died. Started unit back up.

2-15-90 5 BO, no gas SICP built up to 330#. Gas hasn't come around yet.

2-16-90 Started blowing down csg.

cc: Evan

Objective: Squeeze csg leak.

BWO: 140 MCFPD, 40 BOPD.

2-17-90 Gas started feeding up csg.
2-18-90 3 BO, 900 MCF.
2-19-90 5 BO, 890 MCF. TP inc to 200#. Shut in csg to try to flow up
tbg again.
2-20-90 0 BO, 0 MCF.
2-21-90 0 BO, 0 MCF. Drop rods & tag bottom.
2-22-90 0 BO, 0 MCF. Opened up csg again.
2-23-90 4 BO, 880 MCF.
2-24-90 5 BO, 890 MCF.
2-25-90 7 BO, 870 MCF.
2-26-90 5 BO, 865 MCF. FINAL REPORT.

cc: Evan

Well-
Full

Naiomi 1
Berexco

3-14-90

Pull rods and pump. Run swab and found fluid at 3500'. CP at 190#. Swabbed 3 hours and recovered 17 bbl. water and 3 oil. CP increase to 330#. Shut in for night.

3-15-90

Fluid at 4800'. TP 170# CP 330# Made 1 pull with swab and well kicked off making mostly water. 10:30 300CP 200 TP 500 MCF 12:00 300 CP 200 TP 500 MCF
Rigged down.

TC

Naomi 1
Berexco

Will Fill

1-13-90

Dig working pit. Hit underground irrigation line. Rig up Dunham Well Service. Pull pump and rods. Pull tubing. Run lockset and set at 5203'. Pull tubing and catcher. Shut down.

1-15-90

Shut down.

1-16-90

Run Model R to 5075'. Test plug 2000#. OK. Start looking for leak. Found leak at 3046'. Pick up Model R to 2880. Set load annulus 500#. OK. Injection rate 2 BPM at 250#. Order 100 sks. Class H 3% CC 50 sacks Class H. Mix cement. Displace $\frac{1}{2}$ cement slow to $\frac{1}{2}$ BPM tubing displacement in slow to $\frac{1}{4}$ BPM. Shut down 1 bbl. below tubing. Holding 200#. Stage 2 hours going to 1000#. Holding 800#. Shut in.

1-17-90

Pull Model R Run bit and bit sub.

1-18-90

Rig up Cheyenne pump and swivel. Drill cement from and to 3075'. Circulate clean. Pressure test to 800#. Go to lockset and circulate clean.

1-20-90

Pulled bit and sub. Run catcher to lockset. Swab to 4200'. Pull lockset run bailer got mud.

1-22-90

Bail 8 bbl. mud. Run Model R hang at 5462'. Swab 35 bbl. dry. No show oil or gas.

1-23-90

200' fluid in hole very muddy salt water 30 minutes 20' fluid slight rainbow, 30 minutes 50' same. Move packer to 5378'. Set and wait 1 hour, 70' fluid 5% oil, 60 minutes 1.14 5% oil and muddy 60 minutes .83 5% oil. Halliburton treat with 750 gallon 7 $\frac{1}{2}$ % MCA Flush with 22 bbl. 2% KCL with marflo 12 $\frac{1}{2}$ GPM 600# 950# job end ISIP 600# 0# in 1 minute Total load 40 bbl. Fluid 150' down. Swab down 13 bbl. Got to 2800' and then fluid fell away fast 5:00 5.70 gas trace oil dirty water

1-24-90

430# TP Fluid at 4000' from surface. Swabbed down 1.5 bbl, Swabbed 1.14 bbl, per hr, for 7 hours. 45% oil 1.14 bbl, per for 2 hrs. 55% oil, Total swabbed back 29.92 bbl.

1-25-90

430 TP fluid 4400' from surface. 1.5 bbl, swab down 80% oil Release Model R, Pull packer. Great Guns perf. 5395 to 5408 4 SPF, Perf. TD 5503. Get ready to run Elder Isolat packer. 1 ft. spacing set at 5343'. Swab down 1.5 bbl. 40% oil, 1st hr, 1.14 bbl, 80% 2nd hr, .57 bbl, 80% 3rd hr, 1.14 80%

Naomi 1
Berexco

1-26-90

430# Swab down 1.5 bbl. 75% oil. Release isolation packer. Run to blank pipe. Set packer. Put in 3 bbl. water and 300 gallon acid. Drop top valve. Load tubing with oil. Pick up packer and find lower perf. Treat 4 sets 5408-09-06-05 Valve plugged. Fish valve and repair with drop valve. Lost acid and treat 5400-5399-98-97-96-95 with oil. Pick up packer to 5343'. Set fish top and lower valves and treat all perfs, with 300 gallon 15% FE acid. 1800 gallon HF acid 300 gallon xylene 600 gallon clafix with clasta, Flush with 21½ bbl. clafix 2 flush immediate drop to 0 at job end. ¾ of a bbl. per minute through out job. Hole loaded 700 to 950 when HF entered formation dropped to 200# for few minutes then built gradually to 1130#, then increase and decrease between 1400 and 1250#. Finish job at 1300#. Vac. Rig to swab. Fluid 300' from surface. Swabbed to 4700' in 1½ hr. 24½ bbl. load back 102 bbl. total load.

1-27-90

Swabb.

1-28-90

Swab. Release packer and swab annulus. Start pulling tubing. Kill well. Pull rest of tubing. Start running tubing.

1-30-90

Run tubing and rods. Hang on and tear down.

Jim Hechard.

BEREXCO (KS) Naomi #1 Workover (Page 1)
 Objective: Test for casing leak. Frac Keyes Sand.
 BWO: 2 BOPD, 40 MCFD.

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07-29-93 MIRU BXCO Rig #7. DC: \$315.
 07-30-93 Pull rods and pump. Pull tubing. TIH with tubing and packer. DC: \$3025. CC: \$3340.
 07-31-93 Shut down.
 08-01-93 Shut down.
 08-02-93 TIH with 2 7/8" workstring. Set packer at 5320' KB. Loaded annulus with 75 bbls lease oil. Pressured up annulus to 500#, held ok. Ran swab, 350' fillup, all oil. Recovered 1.7 BO on swab down. DC: \$3182. CC: \$6522.
 08-03-93 Shut down.
 08-04-93 Shut down.
 08-05-93 Shut down.
 08-06-93 SITP 12#, 500' fillup, all oil. Recovered 2.9 BO on swab down. RU Halco. Acidize Keyes with 1000 gals 10% NE-HCL and 60 ball sealers. Flush with lease oil. Treated 5.5 BPM at 1900#, saw some ball action. ISIP 200#, 1 min vacuum. TLTR 62 bbls (38 BO and 24 bbls acid water). Release packer. Drop through perfs to knock off balls. Reset packer at 5320' KB. Loaded backside with 84 bbls lease oil. Pressure test lines to 5000#. Fraced through 2-7/8" workstring as follows with gelled diesel:
 8000 gals pad, 18.5 BPM at 2480#.
 6000 gals with 20/40 sand ramped from 1-4 ppg, 18.5 BPM at 2480#
 2000 gals with 4 ppg 16/30 sand 18.3 BPM at 3000#.
 Flushed with 1368 gals diesel, 17.8 BPM at 3800#. ISIP 2246#, 5 min 1412#, 10 min 934#, 15 min 615#. Total sand in formation: 14800# 20/40, 8000# 16/30. TLTR 547 BLO, 24 BW. Max pressure during job was 5050#. Shut down for weekend. DC: \$27002. CC: \$33524.
 08-07-93 Shut down.
 08-08-93 Shut down.
 08-09-93 SITP 0#, 200' fillup. Recovered 1.2 BLO on swab down at 12:30 p.m.
 1:30 5.8 BLO, 1/2 tsp sand, 4 pulls.
 2:30 4.6 BLO, 1/2 tsp sand, 4 pulls.
 3:30 4.6 BLO, 1/4 tsp sand, 4 pulls.
 4:30 4.6 BLO, trace of sand, 4 pulls.
 5:30 4.6 BLO, trace of sand, 4 pulls.
 TLTR 521.6 BLO. DC: \$1479. CC: \$35003.
 08-10-93 SITP 5#, 200' fillup. Recovered 1.2 BLO on swab down. Release packer. Tagged up at 5457' KB. TOH with workstring and packer. Ran tubing. Tubing detail as follows: 16' slotted mud anchor, SN, 4 joints 2-3/8" tubing (1st 2 joints above SN are new tubing), tension anchor, 160 joints 2-3/8" tubing. DC: \$2044. CC: \$37047.

cc: Evan

BEREXCO (KS)

Naomi #1

Workover (Page 2)

Objective: Test for casing leak. Frac Keyes Sand.

BWO: 2 BOPD, 40 MCFD.

=====
08-11-93 Run rods. Rod detail as follows: 2" X 1-1/2" X 14' RWBC
with 6' gas anchor, 5--3/4" scraped rods, 211--3/4"
plain rods, 6' X 3/4" pony, 4' X 3/4" pony, 1-1/4" X 16'
PR with 1-1/2" X 6' liner. RDMO BXCO Rig #7.
08-12-93 No production. Ran out of propane.
08-13-93 47 BO, 0 BW, 0 MCF. Gas SI to build pressure.
08-14-93 48 BO, 0 BW, 29 MCF.
08-15-93 49 BO, 0 BW, 42 MCF.
08-16-93 50 BO, 0 BW, 42 MCF. **FINAL REPORT.**

CC: Evan

BEREXCO (KS)

Naomi #1

Workover (Page 1)

Objective: Squeeze casing leak.

BWO: 25 BOPD, 60 MCFD, 10 BHPD.

=====
11-19-94 MIRU Patrick Well Service rig. Pulled rods and pump.
11-20-94 Pulled and layed down tubing.
11-21-94 TIH with tubing and RBP. Set RBP at 5000' KB. Layed
down tubing. RDMO Patrick Well Service rig. Last report
until company rig is moved in. CC: \$2636.
12-01-94 MIRU BXC0 Rig #3. TIH with 2-3/8" tubing and packer.
DC: \$1785. CC: \$4421.
12-02-94 Located holes in casing as follows:
3367-98 pressured to 1400#, bled to 1000# in 5 min.
2425-56 pump in 3 BPM at 700#.
Spotted 2 sx gel at 3651'. Spotted 10 sx Class A cement
with 2% cc at 3398'. Pulled packer to 3338' KB and
reversed clean. Set packer at 3277' KB. Pressured up
to 1500#, held OK. Did not get any cement behing pipe.
Reset packer at 2304' KB. Pumped 170 sx Class A cement,
first 100 sx with 2% cc. Had blow on braidenhead while
pumpint. Staged 1 hour to 1200# standing pressure with
1 bbl cement left in tubing. Released packer and
reversed out tubing. Reset packer at 1500' KB.
Pressured tubing to 500#. Shut in tubing. DC: \$3855.
CC: \$8276.
12-03-94 Shut down.
12-04-94 Shut down.
12-05-94 Worked on circ pump engine. TIH with 2-3/8" tubing and
bit. DC: \$1535. CC: \$9811.
12-06-94 Shut down, ice storm.
12-07-94 Tagged TOC at 2304'. DOC to 2395'. DC: \$1665. CC:
\$11476.
12-08-94 Drilled out cement to 2486' and ran out. Pressured up
casing to 600#, held OK. Tagged up on cement above
bottom hole at 3338'. DC: \$2215. CC: \$13691.
12-09-94 Drilled out cement to 3375' and ran out. Pressured up
casing to 600#, held OK. TOH with tubing and bit. TIH
with tubing and catcher. DC: \$1815, CC: \$15776.
12-10-94 Shut down.
12-11-94 Shut down.
12-12-94 Circ hole clean on top of RBP. Swabbed casing down to
3800'. Waited 1 hour, stayed dry. Released RBP.
Lowered to 5440', did not tag any fillup. TOH with
tubing and RBP. DC: \$1265, CC: \$17041.

CC: Evan

BEREXCO (KS)

Naomi #1

Workover (Page 2)

Objective: Squeeze casing leak.

BWO: 25 BOPD, 60 MCFD, 10 BWPD.

=====
12-13-94 FOH with tubing and RBP. Ran 2 3/8" X 16' mud anchor, SN, and 171 joints 2 3/8" tubing. SN at 5450' KB. Ran swab, 200' fillup. Started swabbing at 1:00
2:00--4.6 BW
3:00--4.6 BW
4:00--3.5 BW
5:00--4.1 BTF, 15% oil, strong gas blow on annulus.
12-14-94 SITP-0#. Ran swab, 100' fillup, 10% oil. Started swabbing at 10:00 am
11:00--3.5 BTF, 3% oil
12:00--3.5 BTF, 40% oil
1:00--3.5 BTF, 50% oil.
SIH with rods and pump. DC: \$1645. CC: \$20141.
12-15-94 FIH with rods and pump. Rod detail: 2" x 1-1/2" x 14' RWBC pump with 1" x 6' gas anchor, 2' x 3/4" sub, 216--3/4" rods, 2--6' x 3/4" subs and 15' x 1-1/4" polish rod with 6' x 1-2/" liner. RDMO BXCO Rig #3. DCL \$540. CC: \$20681.
12-16-94 Started well up.
12-17-94 Pumping off water.
12-18-94 7 BO. Venting gas.
12-19-94 8 BO. Turned gas to sales line.
12-20-94 10 BO, 27 MCF, 14 BW. Venting gas.
12-21-94 7 BO, 16 BW. Lowered rods and tapped bottom.
12-22-94 22 BO, 30 BW.
12-23-94 21 BO, 25 BW.
12-24-94 19 BO, 21 BW.
12-25-94 17 BO, 30 BW.
12-26-94 13 BO, 30 BW.
12-27-94 14 BO, no guage on water. FINAL REPORT.

CC: Evan