

PETROLEUM DEVELOPMENT CORP

Daily Completion/Workover Report

☐ New Drill
 ☒ X Recompletion
 ☐ LOE
 ☐ CSG Repair
 ☐ P&A

Date: 5-Mar-08
 Well Name: Leafgren #1-17
 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW
 Sec: 17
 Twn: 6N
 Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	Depth:	
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:	Depth:	
Codell Refrac	7125-33 2SPF	Tubing:	Size:		Wt/Gd:		Conn.	Depth:	
		Packer:	RBP:		CIBP:		Sd Plug	P/C	
		TD	PBTD				TOC	TOC	
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining		
New niobrara B	6947-62 3SPF	Other Information:							

Job Objective: _____

Operation Past 24 Hours

MRI, RU rig, pump & tank, SDFN

Daily Cost \$2650
 Cost to Date \$2650
 AFE Est. Cost \$

Proposed Operations: _____

Contractor: Matco 2
 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oil			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating/Wireline/Slickline			0	Tubing		0
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Oil Tools			0	Flow Line & Connections		0
Equipment Rentals			0	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit	Matco	1300	1300	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			0	Anchors Key	400	400
Professional Services			0			0
Roustabout/Welder			0			
Frac tanks / KCL water	Hollaway	450	450	Total Tangible	400	400
Tubular Inspection			0			
Tank Cleaning			0	Completion Cost		
Location Work/Fencing			0			
Trucking	Hollaway	500	500	Previous Cum Cost		0
Total Intangibles		2250	2250	Total Cost	2650	2650

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

____ New Drill X Recompletion ____ LOE ____ CSG Repair ____ P&A

Date: 6-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:
Codell Refrac	7125-33 2SPF	Tubing:	223 + 10'	Size:	2 3/8	Wt/Gd:	4.7#	Conn.	EUE Depth: 7107'
		Packer:		RBP:		CIBP:		Sd Plug	P/C
		TD	0	PBTD	0.00		TOC	0	TOC 0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining		
New niobrara B	6947-62 3SPF	Other Information:							

Job Objective: _____

Operation Past 24 Hours

SCP 200# STP 100#, roll gas out of hole W/2 % KCL, ND WH, NU BOP, PU tag jts & tag @7207.85' W/226 jts of 2 3/8 4.7# J-55 EUE tubing, LD tag jts, TOOH W/223 jts, well was landed @7107.85, RU Tobys testing, PU Nabors 4 1/2 11.6# casing scraper & 3 7/8 blade bit, TIH testing to 6000 psi, found 2 holes, RD tester, SWI, SDFN

Daily Cost \$7660
Cost to Date \$10310
AFE Est. Cost \$

Proposed Operations: _____

Contractor: Matco 2 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oiler			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			0	Tubing	660	660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals	Nabors	600	600	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit	Matco	5200	6500	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting	Tobys	750	750			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water	Hollaway	450	900	Total Tangible	660	1060
Slickline			0	Completion Cost		
Land			0	Previous Cum Cost		2650
Drilling			0			
Drilling			500			
Total Intangibles		7000	9250	Total Cost	7660	10310

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

____ New Drill X Recompletion ____ LOE ____ CSG Repair ____ P&A

Date: 7-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'	
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:	
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:	
Codell Refrac	7125-33 2SPF	Tubing:	Size:		Wt/Gd:		Conn.		Depth:	
		Packer:	RBP:	7054'	CIBP:		Sd Plug		P/C	
		TD	0	PBTD	0.00		TOC	0	TOC	0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining			
New niobrara B	6947-62 3SPF	Other Information:								

Job Objective: _____

Operation Past 24 Hours

SCP 0# STP 0#, re-tag @7200', try to cleanout & could not clean out, PU tubing swivel & try to drill out, could not drill out, have 66' of rat hole, LD tubing swivel & tag jts, TOOH W/222 jts of 2 3/8 4.7# J-55 EUE tubing, LD scraper, PU 4 1/2 11.6# WLTC bridge plug, TIH W/222jts @7054' & set bridge plug, lay down 1 jt, roll gas out of hole, pressure test casing to 1200 psi, had good test, TOOH laying down, lay down 30 jts & spot 2 sacs of 20/40 frac sand, finish laying down tubing, 222 jts total, change tools over to 2 7/8, SWI, SDFN

Daily Cost \$7200
Cost to Date \$17510
AFE Est. Cost \$

Proposed Operations: _____

Contractor: Matco 2 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oil			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			0	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals	Nabors	2000	2600	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit	Matco	5200	11700	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			750			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water			900	Total Tangible	0	1060
Slickline			0			
Land			0	Completion Cost		
Drilling			0			
Drilling			500	Previous Cum Cost		10310
Total Intangibles		7200	16450	Total Cost	7200	17510

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

☐ New Drill ☒ Recompletion ☐ LOE ☐ CSG Repair ☐ P&A

Date: 10-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:	
Codell Refrac	7125-33 2SPF	Tubing:	205	Size:	2 7/8	Wt/Gd:	6.5#	Conn. EUE
		Packer:		RBP:		CIBP:		Sd Plug P/C
		TD	0	PBTD	0.00	TOC	0	TOC 0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered		Load Remaining		
New niobrara B	6947-62 3SPF	Other Information:						

Job Objective: _____

Operation Past 24 Hours

SCP 0#, RU Nue-X wireline, PU 3 1/8 slickgun, perforate Niobrara A @6834'-6838' W/2 SPF (8 total shots), Niobrara B @6947'-6962 W/3 SPF (45 total shots), W/120° phasing, 21 gram charges, .39 entry hole, 30.92 penetration, RD Nue-X, PU Nabors 4 1/2 11.6# ASX-1 casing packer, RU Tobys testing, T/H picking up 2 7/8 6.5# N-80 EUE talling & testing to 8000 psi, found no leaks, RD tester, ND BOP, NU WH, set packer @6701' W/205 jts, load & test backside to 1200 psi, had good test, load & test tubing to 2000 psi, had no communication W/ tubing, NU valve, SWI, SDFN

Daily Cost \$10650
Cost to Date \$28160
AFE Est. Cost \$

Proposed Operations: _____

Contractor: Matco 2 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oilier			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating	Nue-X	2800	2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals	Nabors	1950	4550	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit	Matco	5000	16700	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting	Toby's	900	1650			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water			900	Total Tangible	0	1060
Slickline			0			
Land			0	Completion Cost		
Drilling			0			
Drilling			500	Previous Cum Cost		17510
Total Intangibles		10650	27100	Total Cost	10650	28160

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

____ New Drill X Recompletion ____ LOE ____ CSG Repair ____ P&A

Date: 11-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'	
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:	
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:	
Codell Refrac	7125-33 2SPF	Tubing:	Size:		Wt/Gd:		Conn.		Depth:	
		Packer:	RBP:		CIBP:		Sd Plug		P/C	
		TD	0	PBTD	0.00		TOC	0	TOC	0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining			
New niobrara B	6947-62 3SPF	Other Information:								

Job Objective: _____

Operation Past 24 Hours

RD rig, pump & tank, MRO, FINAL REPORT

Daily Cost \$600
Cost to Date \$28760
AFE Est. Cost \$

Proposed Operations: _____

Contractor: Matco 2 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oiler			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals			4550	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit	Matco	600	17300	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			1650			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water			900	Total Tangible	0	1060
Slickline			0			
Land			0	Completion Cost		
Drilling			0			
Drilling			500	Previous Cum Cost		28160
Total Intangibles		600	27700	Total Cost	600	28760

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

☐ New Drill ☒ Recompletion ☐ LOE ☐ CSG Repair ☐ P&A

Date: 17-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NPRTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:
Codell Refrac	7125-33 2SPF	Tubing:	205 JTS	Size:	2 7/8"	Wt/Gd:	6.5#	Conn.	8 RD
		Packer:	6701'	RBP:	7054'	CIBP:		Sd Plug	P/C
		TD	0	PBTD	0.00			TOC	0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered				Load Remaining	
New Niobrara B	6947-62 3SPF	Other Information:							

Job Objective: _____

Operation Past 24 Hours

Niobrara Hybrid Recomplete: MIRU HES. Performed a Niobrara stimulation. Pumped 11 bbls of clayfix water to test packer. Followed with 1000 gallons of 15% HCL. (Break 4801 psi @ 2.3 bpm). Pumped 1668 bbls Slickwater pad (1.0 gpt FR, 3.0 gpt Vicon NF, 1.0 gpt Clayfix, 2.0 gpt MA-844), 143 bbls of SilverStim 22# pad, 2230 bbls of SilverStim 22# fluid system (6.0 gpt LGC-6, 0.5 gpt CL-37, 0.3 gpt CL-23, 0.5 gpt - 0.9 gpt BA-40L, 1.5 gpt MA-844, 1.0 gpt Clayfix, 5.0 gpt Vicon NF, 0.15 - 0.5 gpt Cat-3, 0.15 - 0.5 gpt Cat-4). Pumped 1-4 ppg stages 30/50 white sand (238980 lbs) and 4 ppg 12/20 Resin Coated SB Excel proppant (12000 lbs). Flushed well to top of Niobrara A Bench perforation (40.9 bbls). Shutdown (ISDP 3826 psi). RD HES, turned well on to flowback. MTP = 7621 psi, ATP = 6186 psi, AIR = 22.2 bpm. Pressure response was flat to slightly positive for entire treatment. Pumped treatment through 2 7/8" 6.5# tbg. Packer was set @ 6701'. Niobrara A Bench perms @ 6834'-6838' (2 SPF), Niobrara B Bench perms @ 6947'-6962' (3 SPF). Turned well on to flowback on a 14/64" choke. Treatment went good.

Daily Cost \$ 106200
Cost to Date \$ 134960

Proposed Operations: _____

Contractor: _____ Supervisor: K Lewis

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oilier	DJR	5000	5000	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections	300	300
Equipment Rentals			4550	Separation/Treating Equip		0
Contract Services			0	Storage Tanks		0
Completion Unit			17300	Wellhead Equipment	300	300
Swab Rig			0	Other Lease Equipment		0
Stimulation	HES	89000	89000	Surface Casing		0
Hydrotesting			1650			400
Professional Services	Halloway	1600	1600			0
Roustabout			0			
Frac tanks / KCL water	A&W	10000	10900	Total Tangible	600	1660
Slickline			0			
Land			0	Completion Cost		
Drilling			0			
Drilling			500	Previous Cum Cost		28760
Total Intangibles		105600	133300	Total Cost	106200	134960

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

☐ New Drill
 ☒ Recompletion
 ☐ LOE
 ☐ CSG Repair
 ☐ P&A

Date: 25-Mar-08
 Well Name: Leafgren #1-17
 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NORTH SIDE OF DITCH INTO

Legal Desc: SWSW
 Sec: 17
 Twn: 6N
 Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:
Codell Refrac	7125-33 2SPF	Tubing:	Size:		Wt/Gd:		Conn.		Depth:
		Packer:	RBP:		CIBP:		Sd Plug		P/C
		TD	0	PBTD	0.00	TOC	0	TOC	0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered		Load Remaining			
New niobrara B	6947-62 3SPF	Other Information:							

Job Objective: _____

Operation Past 24 Hours

SCP 300#, MIR, RU rig, pump & tank, SDFN.

Daily Cost \$2200
 Cost to Date \$
 AFE Est. Cost \$

Proposed Operations: _____
 Contractor: Ensign
 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oiler			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals			4550	Separation/Treating Equip		0
Contract Services	Ensign	1200	1200	Storage Tanks		0
Completion Unit			17300	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			1650			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water	Hollaway	500	1400	Total Tangible	0	1060
Slickline			0	Completion Cost		
Land			0	Previous Cum Cost		28760
Drilling			0			
Trucking	Hollaway	500	1000	Total Cost	2200	30960
Total Intangibles		2200	29900			

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

☐ New Drill
 ☒ Recompletion
 ☐ LOE
 ☐ CSG Repair
 ☐ P&A

Date: 26-Mar-08
 Well Name: Leafgren #1-17
 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NORTH SIDE OF DITCH INTO

Legal Desc: SWSW
 Sec: 17
 Twn: 6N
 Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:
Codell Refrac	7125-33 2SPF	Tubing:	Size:		Wt/Gd:		Conn.		Depth:
		Packer:	RBP:		CIBP:		Sd Plug		P/C
		TD	0	PBTD	0.00		TOC	0	TOC
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining		
New niobrara B	6947-62 3SPF	Other Information:							

Job Objective: _____

Operation Past 24 Hours

STP 350# SCP 0#, blow well down & control W/40 bbls of 2% KCL, release Nabors 4 1/2 11.6# ASX-1 casing packer, TOOHL laying down 2 7/8 6.5# N-80 EUE tubing, lay down 205 jts total, change tools over to 2 3/8 tubing, PU Nabors 4 1/2 11.6# WLTC retrieving tool & TIH picking up talling 2 3/8 4.7# J-55 EUE tubing, tag 7005' W/221 jts, lay down 8 jts, SWI, SDFN...

Daily Cost \$5700
 Cost to Date \$
 AFE Est. Cost \$

Proposed Operations: _____

Contractor: Ensign 313
 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oiler			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals			4550	Separation/Treating Equip		0
Contract Services			1200	Storage Tanks		0
Completion Unit	Ensign 313	5200	22500	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			1650			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water	Hollaway	500	1900	Total Tangible	0	1060
Slickline			0	Completion Cost		
Land			0			
Drilling			0	Previous Cum Cost		30960
Drilling			1000			
Total Intangibles		5700	35600	Total Cost	5700	36660

PETROLEUM DEVELOPMENT CORP
Daily Completion/Workover Report

____ New Drill ☒ Recompletion ____ LOE ____ CSG Repair ____ P&A

Date: 27-Mar-08 Well Name: Leafgren #1-17 AFE #: 862

Directions to Location: HWY 392 & 39 N 100 YARDS E ON NORTH SIDE OF DITCH INTO

Legal Desc: SWSW Sec: 17 Twn: 6N Rng: 65W

Perforations		Surf Csg:	Size:	9 5/8	Wt/Gd:	36#	Conn.	Depth:	314'
Zone	Depths	Prod Csg:	Size:	4 1/2	Wt/Gd:	11.6#	Conn.	0	Depth:
Codell	7126-36 3SPF	Liner:	Size:		Wt/Gd:		Top:		Depth:
Codell Refrac	7125-33 2SPF	Tubing:	223 + 12'	Size:	2 3/8	Wt/Gd:	4.7#	Conn.	EUE Depth: 7111'
		Packer:		RBP:		CIBP:		Sd Plug	P/C
		TD	0	PBTD	0.00		TOC	0	TOC 0
New Niobrara A	6834-38 2SPF	Fluid Lost	0	Recovered			Load Remaining		
New niobrara B	6947-62 3SPF	Other Information: _____							

Job Objective: _____

Operation Past 24 Hours

SCP 150# STP 150, blow well down, RU to circulate, retag @7005' W/221 jts of 2 3/8 4.7# J-55 EUE tubing, clean out to 7054' W/222 jts, roll sand off of plug & release plug, TOOH W/222 jts, LD plug, PU nc/sn, TIH & tag @7218' W/227 jts, LD tag jts, ND BOP, NU WH, land well @7111' W/223 jts & 1 12' sub, drop seated full bore standing valve & chase to bottom W/broach, tubing broached good, SWI, clean up loc., RD rig, pump & tank, MRO, FINAL REPORT.

Daily Cost \$6250
Cost to Date \$
AFE Est. Cost \$

Proposed Operations: _____

Contractor: Ensign 313 Supervisor: B Tracy

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Hot Oilier			0	Production Liner		0
Misc. Pump			0	Production Casing		0
Perforating			2800	Tubing		660
Bits			0	Tree		0
Drilling Fluids			0	Pumping Unit & Engine		0
Cement & Services			0	Subsurface Equipment		0
Open Hole Logging			0	Flow Line & Connections		0
Equipment Rentals	Nabors	1250	5800	Separation/Treating Equip		0
Contract Services			1200	Storage Tanks		0
Completion Unit	Ensign	5000	27500	Wellhead Equipment		0
Swab Rig			0	Other Lease Equipment		0
Stimulation			0	Surface Casing		0
Hydrotesting			1650			400
Professional Services			0			0
Roustabout			0			
Frac tanks / KCL water			1900	Total Tangible	0	1060
Stickline			0			
Land			0	Completion Cost		
Drilling			0			
Drilling			1000	Previous Cum Cost		36660
Total Intangibles		6250	41850	Total Cost	6250	42910



Petroleum Development Corporation
Leafgren 1-17
SWSW Sec17 T6N R65W
Weld County, CO

Current Wellbore Schematic - NOT TO SCALE!!!

6/21/2007

API#: 05-123-13293

Program/Acquisition

Lyco II acq.

Job Type/Intent

Nio Recomplete

GL Elevation: 4745'

KB Elevation: 4754'

Surface Casing:

9 5/8" 36# set @ 314' 278sx
reg

Top of Cement:

surface

Production Casing:

4 1/2" 11.6#

Top of Cement:

6292'

Other: (Liner, Casing Patch, etc.)

0

Other Cement: (squeeze, plug, etc)

Longstring Cement:

50sx Halex + 125sx class G

0

0

0

Perforations:

Codell: 7126'-36' (30 holes)

Cod Refrac: 7125'-33' 2spf

Old:

0

0

0

New:

NioA: 6834' - 6838' 2spf

NioB: 6947' - 6962' 3spf

0

0

Current Tubing In Hole:

224jts 2 3/8" set @ 7126'

0

0

PBTD:

0

Casing TD: 6885'

Procedure/Intent:

Possible Casing Failure. PU production tbg, RIH with additional jts to clean out to PBTD, TOOH with production string. RIH with bit & scraper to PBTD, POOH with bit & scraper. Hunt holes in casing. RIH with plug and packer, isolate holes. Cut casing, do a casing patch with a stage tool. Cement to surface, run CBL. Test stage tool, POOH. RIH with RBP, set RBP @ 7060'. Test casing to 5000psi, if casing tests frac Niobrara via casing. Perforate Nio A & B bench. POOH w/wireline. Set PKR @ 6700'. Stimulate Nio w/242,000lbs 20/40 white sand & 8,000lbs resin coat. Flowback Nio up packer/tubing until psi allows commingle of Codell/Niobrara. Commingle zones, land tubing @ 10-15' above Codell fm with a NC/SN.

Final Land Approval:

Final Completion Approval:

Date: 2/20/08

Date: 6/27/07