

Operations Past 24 Hours

2519	12/1	Hellbenton	Cmt
2521	12/1	R. M. W. S.	Set 4 1/2" Cmt Ret.
2526	12/1	Mountain States	Mediford Service
2529	12/1	R.C. #2	W.O.R.
2539	12/1	Elmo	Supervision
2544	12/1	Adm. Overhead	

SUPERVISOR Elmo Powell

COST ESTIMATE

Page 1 of 1

_____ New Drill _____ Recompletion _____ LOE _____ Re-Frac X Casing Repair _____ P&A
 Date: 01-Jun-06 Well Name: LOUIS C CAMP B 1 Area: D

Legal Desc: SW/SW

Sec: 30 Twn: 3N Rng: 65W

Area: **D**

Perforations	
Zone	Depths
Niobrara	7154' - 7230'
Codell	7364' - 7374'
CIBP	7525'
J-Sand	7638' - 7876'

Surface Csg:	Size: <u>8 5/8"</u>	WWGd: <u>24#</u>	Conn. <u> </u>	Depth: <u>232'</u>
Production Csg:	<u>4 1/2"</u>	Size: <u>4 1/2"</u>	WWGd: <u>11.5#</u>	Conn. <u> </u> Depth: <u>7996'</u>
Tubing:	Size: <u>2 3/8"</u>	WWGd: <u>4.7#</u>	Top: <u> </u>	Depth: <u> </u>
Tubing:	Size: <u> </u>	WWGd: <u> </u>	Conn. <u> </u>	Depth: <u> </u>
Packer:	<u> </u>	STS <u> </u>	Last time a clean	
	RBP: <u>7054.21'</u>	CIBP: <u>7525'</u>	Sd Plug <u> </u>	Out to <u> </u>
TD	<u>7996'</u>	PBTD <u>7958'</u>	TOC	<u>LOGGED 7280' - (6660' NEEDS VERIFIED)</u>
SQZ HOLES	<u>7215'</u>	Recovered <u> </u>	Load Remaining <u> </u>	
Other Information: <u> </u> Production lbs to be replaced with 8rd				

Job Objective: CASING REPAIR

6/1/2006 IWP 0 / 0 Surface. Crew to location.

Rig up HS Tester and test in the hole testing to 6000# Stinger for retainer job with 2 3/8" tbg. Run string as follows. Stinger, 1 jt 2 3/8" tbg, 10 blast jts, and 129 jts tbg. Rig up and circulate into the retainer with 8.64' in on jt # 130. Circulation was good. Sting out of retainer and lay down 1 jt and add 1 10' sub to the string. Retainer is at 4242.17'. Rig up BJ Services and pump 10 bbls water ahead. Mix, weigh and pump cement job as follows. Pump 106 BBLs (313 sxs) 13.5# cement and displace with 15.5 bbls water. Sting out of the retainer and lay down 10' sub and stand back 3 stands to 123 jts @ 4036.15'. Pump down the tbg and circulate out the excess cement to the flat tank. Pump 44 bbls water and return 7 bbls cement to the tank. Pump additional 20 bbls water to clear the well bore. Rig down BJ Services and TOOH 123 jts. 10 blast jts. single it and stinger. SI well, SDFD. Crew to yard.

Proposed Operations: Pump on the top section and see if suicide squeeze is applicable.

Contractor: EN SIGN RIG # 302 Supervisor: Casey B. Ruppel

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Welding	MJ			Production Liner		
Misc. Pump				Production Casing		
Trucking	ACTION / NPT			Tubing CS-Hydril 2 3/8"		
Bits				Tubing New 8rd		
Drilling Fluids	ACTION			Pumping Unit & Engine		
Cement & Services	BJ SERVICES			Subsurface Equipment		
Cased Hole Logging & Perf	NUEX			Flow Line & Connections		
Equipment Rentals	STS			Separation/Treating Equip		
Contract Services	LIGHTNING			Storage Tanks		
Completion Unit	ACTION			Wellhead Equipment		
Swab Rig				Other Lease Equipment		
Stimulation						
Hydrotesting	HS TESTING					
Professional Services						
Roughneck						
Frac tanks / KCL water	ACTION					
Slickline						
Anchors	ROAD RUNNER					
Tubing rental	PATINA					
	Total Intangibles					

NOBLE ENERGY

Daily Completion/Workover Report

_____ New Drill _____ Recompletion _____ LOE _____ Re-Frac X Casing Repair _____ P&A
 Date: 05-Jun-06 Well Name: LOUIS C CAMP B 1 Area: D
 Legal Desc: SWSW Sec: 30 Twn: 3N Rng: 65W

Perforations	
Zone	Depths
Niobrara	7154' - 7230'
Codell	7364' - 7374'
CIBP	7525'
J-Sand	7838' - 7878'

Surface Csg: Size: 8 5/8" W/Gd: 24# Conn: _____ Depth: 232'
 Production Csg: 4 1/2" Size: 4 1/2" W/Gd: 11.6# Conn: _____ Depth: 7995'
 Tubing: Size: 2 3/8" W/Gd: 4.7# Top: _____ Depth: _____
 Tubing: Size: _____ W/Gd: _____ Conn: _____ Depth: _____
 Packer: _____ RBP: 7054.21' CIBP: 7525' RBP: 1006.61' Last time e clean
 TD: 7999' PBD: 7958' TOC: LOGGED 7280' - (6660' NEEDS VERIFIED) Out to _____
 SQZ HOLES: 7215' Recovered: _____ Load Remaining: _____
 Other Information: _____ Production tbg to be replaced with 8rd.

Job Objective: CASING REPAIR

Operation Past 24 Hours

6/5/2006 IWP 0 / 0 Surface. Crew to location. 150sx
 TIH packer with 6 stands and set at 393.72'. Rig up BJ Services and Establish injection rate of 1.9 bbl/min @ 1000#. Mix weigh and pump 30.2 bbls 15.8# G neat with CaCl2 in the last 9 bbls mix water. Displace with 4.22 bbls water and SI well and wash pump and lines. Stage in 30 minute intervals pumping 1250 # with break back to 550#. Wait 30 minutes and pump up to 1740# with a break back to 900#. Wait 30 minutes and pump to 1360# with a break back to 1100#. Wait 30 minutes and pump up to 1520# and hold for 5 minutes. Release the pressure and Rig down BJ Services and TOOH packer and 6 stands. Load and SI well with 500#. SDFD. Crew to yard.

Proposed Operations: _____ Drill out cement at surface and across retainer.

Contractor: ENSIGN RIG # 302 Supervisor: Casey B. Ruppel

Cost Estimate

Intangible	Description	Daily	Cum	Tangible	Daily	Cum
Welding	MJ			Production Liner		
Misc. Pump				Production Casing		
Trucking	ACTION / NPT			Tubing CS-Hydril 2 3/8"		
Bits				Tubing New 8rd		
Drilling Fluids	ACTION			Pumping Unit & Engine		
Cement & Services	BJ SERVICES			Subsurface Equipment		
Cased Hole Logging & Perf	NUEX			Flow Line & Connections		
Equipment Rentals	STS / G&L			Separation/Treating Equip		
Contract Services	LIGHTNING			Storage Tanks		
Completion Unit	ACTION			Wellhead Equipment		
Swab Rig				Other Lease Equipment		
Stimulation						
Hydrotesting	HS TESTING					
Professional Services						
Roustabout						
Frac tanks / KCL water	ACTION					
Skidding						
Anchors	ROAD RUNNER					
Tubing rental	PATINA					
Total Intangibles						

NOBLE ENERGY

Daily Completion/Workover Report

New Drill _____ Recompletion _____ LOE _____ Re-Frac _____ **X** Casing Repair _____ P&A _____
 Date: 15-Jun-06 Well Name: LEWIS C CAMP B 1 Area: D
 Legal Desc: SWSW Sec: 30 Twn: 3N Rng: 65W

Perforations	
Zone	Depths
Niobrara	7154' - 7230'
Codell	7364' - 7374'
J-Sand	7838' - 7878'

Surface Csg: Size: 8 5/8" Wt/Gd: 24w Conn. _____ Depth: 232'
 Production Csg: 4 1/2" Size: 4 1/2" Wt/Gd: 10.5w Conn. _____ Depth: 7998'
 Liner: 248 jts Size: 2 7/8" Wt/Gd: 6.5w-80 Conn. EUE 8rd Depth: 7766'
 Tubing: Size: _____ Wt/Gd: _____ Conn. _____ Depth: _____
 Packer: _____ RBP: _____ C/BP 7906' Sand/ 7766' Last Cleaned 7766'
 Plug _____
 TD 7999' PBTD 7958' TOC _____
 SQZ HOLES 7215' Sand plug 7785.35' Load Remaining _____
 Other Information: _____

Job Objective: CASING REPAIR

Operation Past 24 Hours

6-16-2006
 Crew to location.
 IWP - 0#. Surface Casing - 0#. Nipple down BOP and 3000# wellhead bowl. Nipple up 5000# wellhead bowl and BOP. Rig up HS Testing. Hydrotest 2 7/8" 6.5# N-80 EUE 8rd tubing (to be used as liner) to 8000# while TIH. TIH with beveled shoe jt, latch down baffle, 10 jts 2 7/8" tubing, 2 7/8" marker joint, and 239 jts 2 7/8" tubing. Tag 2' in on jt 249 at 7766.36' KB. Lay down jt 249 and 248. Replace jt 248 with shorter joint. Rig down HS Testing. Nipple down BOP. Install wellhead flange to tubing and land liner with 248 jts at 7765.70' KB. Rig up BJ Services. Pump liner cement job as follows: Pump 20 bbls clay treat water establishing circulating rate of 2.0 bbls/min @ 550#. Mix, weight and pump 106 sxs (61.75 bbls) 11.0 ppg Premium Lite Cement (as lead) and 109 sxs (36 bbls) 13.5 ppg 'G' 50/50 POZ cement. Wash pump and lines. Drop plug. Start displacement. Caught psi on displacement after 4 bbls pumped. Pressure went to 2000#. Discovered backside valve was left shut. Opened valve - no pressure release when valve was opened. Tried to continue pumping displacement. Pressure up to 3500#. Surged back without success. Repeated 4 times with same results. Pressure up to 4500# and cement started to move. Pressure dropped to 3000#. Continued displacement at rate of 1.5 bbl/min. Did not gain returns through rest of displacement. Pressure increased to 4500# while finishing displacement. Plug down at 5:50 PM with 44.91 bbls displaced. Pressured to 5500# and held for 5 minutes - held good. Bleed down to 2500# - plug holding. SI well with 2500#. Rig down BJ Services. SDFD. Crew to yard.

Proposed Operations: RDMO. Allow cement to cure and log.

Contractor: ENSIGN RIG # 302 Supervisor: Casey B. Ruppel

Cost Estimate

Intangible		Description	Daily	Cum	Tangible		Daily	Cum
Welding		MJ			Production Liner			
Mac Pump					Production Casing			
Trucking		ACTION / NPT			Tubing CS-Hydr 2 3/8"			
Bits					Tubing New 2 3/8" 8rd			
Drilling Fluids		ACTION			Liner 2 7/8" 248 jts			
Cement & Services		BJ SERVICES			Subsurface Equipment			
Cased Hole Logging & Perf		NUEX			Flow Line & Connections			
Equipment Rentals		STS / G&L			Separator/Treating Equip			
Contract Services		LIGHTNING			Storage Tanks			
Completion Unit		ACTION			Wellhead Equipment			
Swab Rig					Other Lease Equipment			
Simulation								
Hydrotesting		HS TESTING						
Professional Services								
Roustabout								
Frac tanks / KCL water		ACTION						
Skidline								
Anchor		ROAD RUNNER						
Tubing rental		PATINA						
Total Intangibles								