

## Wexpro Company

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### Plug & Abandonment Compilation JD Donnel 7

Fm: Wasatch, Perforations: 4,953' - 4,966'

**7/16/2012**

**Day 1**

**Mike Sliger**

SICP 25 psi; Safety mtg. Load out equipment on the Stewart #4. Move Basic Energy Services workover rig no. 1601, & equipment to the JC Donnell well #7. Dig out cellar, & remove production plumbing. Fill 400 bbl upright tank, & rig tank. Set in base beam, & spot in workover rig. Rig up workover rig. Move in, & set a 400 bbl open top flow-back tank. Lay pump lines. Blow well down to tank. Wait on hot oiler. Hot oiler not able to get to loc, will heat water in the AM. CWI, & SDFD.

Daily Cost: \$10,345

Accumulated Cost: \$10,345

**7/17/2012**

**Day 2**

**Mike Sliger**

SICP 25 psi; Safety mtg. Heat water in rig tank to 150 degrees. Pump 50 bbls hot water down backside. Pump hot water down 1" injection string, & take returns up the 2 3/8" tbg. Circulate 30 bbls f/ clean returns, (very little oil in tbg). Remove threaded master valve, & plumbing from top of 1" inj string. Nipple down NSCo. DST bonnet. Install pup jt into DST bonnet, & pick up on tbg strings. Remove top jt of 1" inj tbg, & remove DST bonnet. Strip on 7 1/16" 5k DG BOP w/ cso rams in btm gate, & 2 3/8" pipe rams in top gate. Nipple up BOPS. Rig up working floor, slide, stairs, & tools. Rig up Pomrenke Wireline, & GIH w/ perf gun. Perforate btm jt of 2 3/8" tbg w/ "tbg punchers". Rig down Pomrenke. POOH, standing 2 3/8" tbg back, & laying down 1" injection string. Pulled to 2,800', (paraffin on outside of tbgs becoming increasingly thicker). Pump down backside, & reverse circulate 2 3/8" tbg f/ clean returns, (returned some oil to tank). Continue to POOH. Laid down 233 jts 1" line pipe injection tbg. Laid down BHA, (6' perf'd pup, seating nipple w/ standing valve,, injection mandrel), & btm shot jt. CWI, secure well. SDFD.

Daily Cost: \$14,610

Accumulated Cost: \$24,955

**7/18/2012**

**Day 3**

**Mike Sliger**

Safety mtg. Make up used 4 3/4" tri-cone bit, csg scraper f/ 15.5# 5.5" csg, & top sub. GIH w/ bit, & scraper; SLM. Pick up 3 jts tbg, started stacking out @ 4,941' (10' above perms). Lay down 1 jt tbg. No correction on tally. Install rotating head rubber, & rig up tbg swivel on jt of tbg. Work on tbg swivel, (locked-up). Break circ pumping reverse, (took 27 bbls to break circ). Wash down, & clean out to 5,014'. Very hard thru perms, (returned hard scale, sand, rocks, frac sand, mud, & dehydrated paraffin). Reverse two btms-up. Break out, & lay down tbg swivel w/ jt of tbg, remove rotating head rubber, & lay down two more jts tbg. (lost 6

bbls water while circulating) Trip out of hole w/ bit, & scraper. Lay down bit, scraper, & top sub. Make up Baker retrieve-a- matic pkr, & seating nipple. Trip in hole w/ pkr. Reverse circ btms-up. Set pkr @ 4,925'. Attempt to test pkr, tbg circulated. Set more wt down on pkr, & re-test. No test. Pull, & lay down 1 jt tbg. Re-set pkr @ 4,895'. Attempt to test pkr, still would not test, (tbg circulates). Pick up, & run in hole w/ 1 jt tbg. Set pkr @ 4,925', & rig to swab. Swab tbg to tank. Initial fluid level @ surface. Recovered 46.5 bbls water in 5 runs, last pull from seating nipple @ 4,915'. Hang lube back in derrick. CWI, & SDFD. sent 233 jts 1" line pipe injection string, & Kobe clamps into Wexpro RS west yard

Daily Cost: \$7,185

Accumulated Cost: \$32,140

7/19/2012

Day 4

Mike Sliger

Safety mtg. Install new flags in sand line, & rig to swab well. Initial fluid level was @ 2,100'. Swab tbg to tanks. Recover 59 bbls in 14 runs, pulling f/ 4,900'. Only recovered approx 150' of fluid, on each of last two runs, (no gas or oil cut in water recovery). Wait 1 hr f/ inflow. Fluid level was @ same depth as before, (4,420'). Make 3 runs to recover 3 bbls water. Fluid level on last run @ 4,590', (no oil or gas cut). Recovered today 62 bbls water, Cum = 107 bbls. Lunch break. Rig swab lubricator down. Pump 12 bbls down tbg. Drop standing valve. Pump another 9 bbls down tbg, did not catch any press @ tbg volume. Switch valves, & pump down annulus to load back side, (back side loaded @ 77 bbls). Switch back to tbg, & finish loading same, (took 4.5 bbls to finish loading tbg, & break circ). Pump 3 bbls down tbg, & circ @ .5 bpm & 1,500 psi. Took a total of 104 bbls to fill hole, (hole in tbg calc's to be approx @ 4,620'). Pick up, & unset pkr. Lay down 1 jt, & trip out of hole, looking f/ hole in tbg. Found a 5/32" hole, 1' above the pin end of jt # 153, (3 jts above pkr) @ 4,820'. Lay down 3 jts, & pkr. CWI, & SDFD.

COMPANY:		Wexpro Company		SWAB DETAIL						DATE:		July 19, 2012	
WELL NAME & No.		J.C. Donnell #7		Tank Size:		170 bbl / 400 bbl		Shut in pressures this A.M.:					
FORMATION:		Wasatch		BBL.s / inch:		3		Tubing:		0 psi			
PERFORATIONS:		4,953' - 4,966'		BBL.s / inch:		3.875		Casing:		0 psi			
TD / PBTD:		5,014		Packer:		4,925' (no test)							
LOAD TO RECOVER:		- 135 +-		Seat Nipple:		4,915'							
CSG SIZE:		5.5" 15.5# J-55		Profile Nipple:		na							
TUBING SIZE:		2 3/8" 4.7# J-55 8-rd eue		Profile Nipple:		na							
RUN NO.	TIME:	FLUID LEVEL:	PULL FROM:	FLUID PULLED: (ft.)	TANK GAUGE:	GAIN: (inches)	BBL.s (per run)	BBL.s CUM:	CASING PRESSURE:	REMARKS:			
1	7:10 AM	2,100	4,075	1,975	40	2	6.0	6.0	0 psi	water			
2	7:28 AM	2,800	4,915	2,115	43	3	9.0	15.0	0 psi	water			
3	7:46 AM	3,370	4,915	1,545	45.5	2.5	7.5	22.5	0 psi	water			
4	8:02 AM	3,500	4,915	1,415	47.75	2.25	6.8	29.3	0 psi	water			
5	8:16 AM	3,725	4,915	1,190	49.75	2	6.0	35.3	0 psi	water			
6	8:31 AM	3,900	4,915	1,015	51.5	1.75	5.3	40.5	0 psi	water			
7	8:45 AM	4,075	4,915	840	52.75	1.25	3.8	44.3	0 psi	water			
8	8:58 AM	4,075	4,915	840	netg	na	2.5	46.8	0 psi	switch to open top fb tank, water *			
9	9:09 AM	4,075	4,915	840	3	na	2.5	49.3	0 psi	water (btm 3" in tank = 5 bbls) *			
10	9:21 AM	4,200	4,915	715	3.5	0.5	1.9	51.2	0 psi	water			
11	9:39 AM	4,200	4,915	715	4.25	0.75	2.9	54.1	0 psi	water, took 4 runs to cover tank btm!			
12	9:51 AM	4,420	4,915	495	5	0.75	2.9	57.0	0 psi	water			
13	10:02 AM	4,420	4,915	495	5	0	0.0	57.0	0 psi	water, trace			
14	10:12 AM	4,420	4,915	495	5.5	0.5	1.9	58.9	0 psi	150' +- of water back, wait 1 hr f/ inflow			
15	11:23 AM	4,420	4,915	495	5.75	0.25	1.0	59.9	0 psi	150' +- of water back			
16	11:35 AM	4,420	4,915	495	6	0.25	1.0	60.9	0 psi	150' +- of water back			
17	Noon	4,590	4,915	325	6.25	0.25	1.0	61.8	0 psi	150' +- of water back			

Daily Cost: \$6,200

Accumulated Cost: \$38,340

7/20/2012

Day 5

Mike Sliger

Safety mtg. Make up Baker CICR, & trip in hole. Pick up 4 jts tbg, & tbg swivel. Set CICR @ 4,918'. Load tbg, & establish injection rate into perfs w/ 2 bbls, (.25 bpm @ 1,750 psi). Press falls off quickly w/ pump off. Pick up, & close valve in retainer. Pressure test tbg to 2,000 psi f/ 5 min. Held good. Shear out of retainer, & un-sting f/ same. Load backside, & break circulation pumping reverse, (took 40 bbls to load). Reverse circulate hole volume f/ clean returns. Sting back into retainer, & pressure test backside to 500 psi f/ 5 min. Held good. Rig to 8 5/8" surface casing, & establish injection between 5 1/2" X 8 5/8" annulus w/ 15 bbls water, (took 9 bbls to load, & 6 bbls injecting @ 1 bpm, 150 psi). CWI, & secure same. Rack out circulating equipment. Clean out cellar, & pick up location, & WO Halliburton to P & A.

Daily Cost: \$6,185

Accumulated Cost: \$44,525

7/23/2012

Day 6

Mike Sliger

Safety mtg. Rig up Halliburton, & go over job procedures. Safety mtg. Pressure test all pumps, & lines to 3,500 psi. Load tbg w/ 4.5 bbls water. Establish rate into perfs w/ 10 bbls fresh water of .5 bpm @ 1760 psi to 2000 psi. Watch pressure drop. ISIP @ 1,750 psi. Un-sting from retainer, & establish circulation w/ 2 bbls water, (broke circ imed.). Sting back into CICR @ 4,918', & pressure-up backside to 700 psi, (held good thru-out job). Mix, & pump 60 sks "G" cmt. Displace w/ 9.3 bbls water to max pressure of 2,500 psi. Shut down f/ 5 min & pressure dropped to 1,000 psi. Displace w/ another .3 bbls water to 2,500 psi. Un-sting from retainer, (3.75 bbls cmt below CICR). Displace w/ another 7.75 bbls water to spot a 428' balanced cmt plug above retainer, (400' w/ tbg out). Pull, & lay down 12 jts tbg to 4,540'. Mix, & pump 75 sks Poz-Gel spacer @ 9 ppg. Returned .25 - .5 bbls cmt to pit, 17 bbls disp water, and then 23 bbls good Poz-Gel spacer. POOH, laying down tbg. Lay down setting tool. Make up notched coupling, & go back in hole w/ 11 jts, & a 10' pup jt to 360'. Rig Halliburton to tbg. Pump fresh water, & circ f/ clean returns, (10 bbls water). Mix, & pump 45 sks "G" cmt to place a surface plug in the top 360' of 5.5" casing. Rig Halliburton to the 8 5/8" X 5 1/2" casing annulus. Mix, & bullhead 65 sks "G" cmt w/ 2% cacl down casings annulus. Lay down 10' pup jt, & 11 jts 2 3/8" tbg. Returned approx 1/4 bbls cmt to surface on top inside job. Had a max pressure bull-heading of 400 psi, & at end of 65 sks, press was 250 psi. Close surface csg valve. Rig down Halliburton & wash up to pit. Rig working floor, slide, & stairs down. Nipple down, & remove BOPE. Install NSCo 6" 3k X 2 3/8" 8-rd eue X 1" "DST" bonnet, & secure well w/ 2 3/8" threaded gate valve and a 1" valve. Prep to rig down workover rig. SDFD. Roy Wallace w/ the Craig District BLM witnessed plugging operations, & asked to be notified when casings are to be cut off, & final top-out cmtng is done. Todd Schmanski checked "norm" levels of tbg laid down off this well, & tbg on trailer from H.W. Stewart #4, & B.W. Musser #5 (all checked out OK).

Daily Cost: \$37,995

Accumulated Cost: \$82,520

**7/24/2012**

**Day 7**

**Mike Sliger**

Safety mtg. Rig down workover rig. Load out 156 jts 2 3/8" tbg onto tbg trailer. Prep to move rig & equipment. Fill cellar back in. Final report, (this stage). Will cut off casings, & top off w/ cmt when Colorado fire restrictions are lifted.

Daily Cost: \$3,425

Accumulated Cost: \$85,945

**10/12/2012**

**Day 8**

**Mike Sliger**

Dig out around wellhead w/ backhoe. Cut off casings & wellhead. Casings cut off 4' below GL. Cmt is at surface between 5 1/2" & 8 5/8" casings. Top of cmt is 15' down inside 5 1/2" casing. Cut off guy line anchors below GL. Alerted Roy Wallace w/ Craig BLM that well will be capped on Tue 10-16-12

Daily Cost: \$0

Accumulated Cost: \$93,880

**10/16/2012**

**Day 9**

**Mike Sliger**

Safety mtg. Mix 2 sks cmt, & fill top inside of 5 1/2" casing, (5 1/2" X 8 5/8" already full). Weld on regulation dry hole marker plate. Fill cellar back in. Job complete. Final report. Roy Wallace w/ the Craig BLM witnessed plugging & capping.

Daily Cost: \$2,545

Accumulated Cost: \$96,425