

SJOET Well Work Procedure

Atlantic B LS 5A

Version: #1
Date: July 3, 1996
Budget: Well Repair
Work Type: upper-Menefee and CliffHouse
Pay Add

Objectives:

1. Perf and frac upper-Menefee and CliffHouse intervals
 2. Land TBG mid-lower perfs
 3. Return well to production
-

Pertinent Information:

Location:	1040'FNLx840'FWL; Sect 5D-T30N, R10W	Horizon:	MV
County:	San Juan	API #:	30-045-23378
State:	New Mexico	Engr:	Kutas
Lease:	Federal--SF 080917	Phone:	H--(303)840-3700
Well Flac:	97950901		W-(303)830-5159
			P--(303)553-6334

Economic Information:

APC WI:	25%	Prod. Before Repair:	165 MCFD
Estimated Cost:	\$80,000	Pay uplift:	250 MCFD
Payout:	14 Months	Total Antic. Prod	415 MCFD
Max Cost -12 Mo. P.O.:			
PV15:			
Max Cost PV15:			

Note: Economics will be run on all projects that have a payout exceeding ONE year.

Formation Tops: (Estimated formation tops)

Nacimiento:	Menefee:	4498-5003'
Ojo Alamo:	Point Lookout:	5003-5369'
Kirtland Shale:	Mancos Shale:	5369'-TD
Fruitland:	Gallup:	
Pictured Cliffs:	Graneros:	
Cliff House: 4318-4498'	Dakota:	
	Morrison:	

Bradenhead Test Information:

Test Date: 8/93 Tubing: 270 psi Casing: 365 psi BH: 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments:

1. Check and record tubing, casing and bradenhead pressures. Lower TBG, if possible (2 3/8" TSA 5347' w/SN 1 jt off btm and plunger equipment above SN), and tag bottom. Tally out of hole. **Note: Have Billy Mohon surface and remove plunger before MIRUSU. Attempt to work well hot; use kill fluid only if needed to work well safely.**
2. TIH with BxS to PBD, TOH. RU HES wireline. TIH with GR-CCL and RBP. Tie into GO GR-CDL dated 7-28-79 for depth control and set BP at 4800'. TOH. Pressure test RBP. TIH with GR-CCL-3 1/8" HCP (w/0.29-0.30" EHD) csg gun and perforate the Cliff House and upper-Menefee with 1 shots @ 4320', 4333', 4384', 4390', 4396', 4402', 4408', 4424', 4430', 4436', 4440', 4455', 4480', 4495', 4505', 4510', 4514', 4517', 4522', 4530', 4543', 4551', 4554', 4562', 4567', 4572', 4576', 4584', 4588', 4594', 4631', 4664', 4690', 4701', 4707', 4725', 4733', 4748', 4754', 4765' (total shots=40)
3. Break down and ball off perms with 1000 gal 7 1/2% Fe-HCl and 62 1.1 s.g. RCN balls
4. Retrieve balls with WL junk basket. Prep well for frac
5. MI frac equipment and frac according to Menefee- Cliff House schedule (150 M# 16/30 Az sand, 43 Mgal water, 127 Mgal 70Q foam, WHTP = 2200 psi at 25 BPM, MTP = 3000 psi)
6. Flowback immediately (as soon as frac equipment is rigged down) on a 1/4" choke for the first four hours and then on a 1/2" choke overnight.
7. PU and TIH with 2 3/8" TBG and ret head, c/o sand and retrieve RBP, TOH.
8. TIH with 2 3/8" TBG with 1/2 mule shoe and SN 1 on bottom. C/O fill to PBD. Raise and land TBG at 5130-40'.
9. Tie well back into surface equipment and turn over to production.
10. After producing well for a week, RU Protechnics and run through-tbg tracer log across the MV section.

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159

(H) (303) 840-3700

(P) (303) 553-6334