



Oxy USA, WTP, LP
Rockies RMT – Mid-Continent Business Unit, Grand Junction, Colorado
WELL WORKOVER PROCEDURE
Date: 06/19/2015

Stites 20-08B
(Stites 20-08 Pad)
API: 05-077-09724-00

Objective: **Plug and Abandon Well, Reclaim Location**

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Planned Cost: \$50,000

Safety

The safety of the crew, company representative, and protection of the environment is top priority. If any member of Oxy, the Service Company, or a third party observer feels that the work is being performed in an unsafe manner, shut the job down and discuss what needs to be done to safely perform the needed tasks. If needed, shut down the work until an Oxy supervisor can be consulted even if operations need to be deferred.

Well Data

Casing (size, grade, weight, landing depth)	:	4.50", L-80, 11.6#, landed at 6,283'
PBTD	:	6,249'
Gross Perforated Interval	:	No Producing Interval
Notes	:	Well was never perforated or produced

BOPE Requirements (per Oxy Well Control Standard, 60.800.101 / Rev 1 (12/1/2013))

Required BOPE Equipment and NU/ND procedures determined using the Selection Diagram in the Standard.

See Guideline for Determination of MASIP & BOPE/Barrier requirements in Page 2

Procedure

MIRU Wireline

1. Contact COGCC Inspector prior to rigging up
2. MIRU Wireline Truck, pump and tanks.
3. Conduct safety meeting using JSA's. Check LEL's on location. Fill out permits.

Set 1st Plug and Cement

4. RIH w/ Owen 3.5" OD CIBP
5. Set @ 3,500'. POOH.
6. RIH w/ Dump Bailer and dump 5 sacks of cement on top of CIBP. POOH.

Set 2nd Plug and Cement

7. RIH w/ Owen 3.5" OD CIBP
8. Set @ 1,590
9. RIH w/ Dump Bailer and dump 15 sacks of cement on top of CIBP. POOH.

Set 3rd Plug and Cement

10. RIH w/ Owen 3.5" OD CIBP
11. Set @ 50'. POOH
12. Dump cement until it reaches surface.

RDMO and Reclaim Location

13. RDMO Wireline Truck, pumps, and tanks
14. Dig out and cut off casing 5' below ground level.
15. Weld on P&A marker
16. Reclaim Location

Guideline for determination of Maximum Anticipate Shut In Pressure (MASIP) and BOPE/Barriers required for NU/ND:

Well Type	MASIP Determination
Plunger Lift	Maximum casing pressure during cycle shut in period (minimum 30-minute shut in period).
Intermitting	Maximum casing pressure recorded while well is shut in between intermittent production cycles.
Flowing	Verify if well was recently shut in. If so, verify maximum recorded casing pressure during shut in period. MASIP will typically be between 1000 and 3000 psi unless evidence exists to support lower standard. If no recent well shut in, casing pressure may be confirmed via manual pressure gauge.

Category	BOPE Required	Barriers Required*
MASIP < 1000 psi	Class II H, 3k pressure or greater	1 Barrier
1000 < MASIP < 3000 psi		2 Barriers
MASIP > 3000 psi	Class III, 5k pressure rating or greater	At least 2 Barriers

***Acceptable barriers:**

- 1) Backpressure valve in tubing hanger
- 2) Blanking plug in "F" nipple or plug in tubing string