



Oxy USA, WTP, LP
 Rockies RMT – Mid-Continent Business Unit, Grand Junction, Colorado
WELL WORKOVER PROCEDURE
 Date: 08/17/2015

Stites 20-08C
(Stites 20-08 Pad)
 API: 05-077-09723-00

Objective: **Plug and Abandon Well**
 Procedure 2 of 2: Set plugs and dumb cement

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Planned Cost: \$40,000

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 6,337'
PBTD	:	6,300'
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 @ **3,530'**. POOH.
6. RIH w/ Dump Bailer and dump **10 sacks** of cement on top of CIBP. POOH.

Set 2nd Plug and Cement

7. RIH w/ Owen 3.5" OD CIBP
8. Set @ **1,580'**. POOH
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 @ **100'**. POOH
12. RIH w/ Dump Bailer and dump **10 sacks** of cement on top of CIBP. POOH

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. Clean Up Location

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

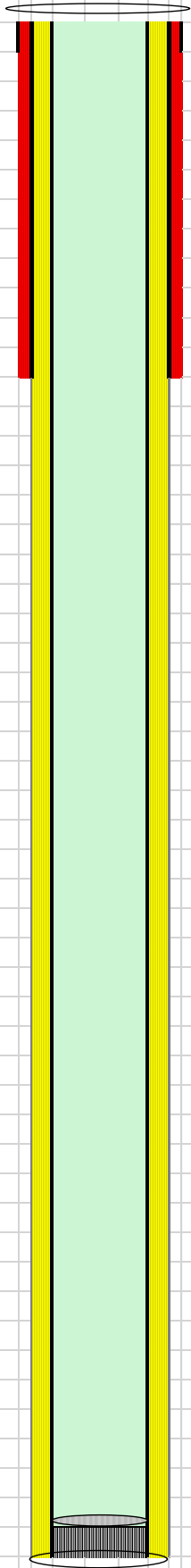
Well Type	MASIP Determination
Plunger Lift	Maximum casing pressure during cycle shut in period (minimum 30-minute shut in period).
Intermitting	Maximum casing pressure recorded while well is shut in between intermitting production cycles.
Flowing	Verify if well was recently shut in. If so, verify maximum 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

Well Bore Diagram



Well Name	Stites 20-8C	
Diagram Date	17-Aug-15	
Surface Location	1475' FNL & 1033' FEL SENE SEC 20 T9S R94W	
GPS Coordinates	Latitude 39.265346 Longitude -107.899969	
Btm Hole Loc.	2418' FNL & 676' FWL SENE SEC 20 T9S R94W	
Field	Buzzard , State ID # 9495	
County	Mesa	
State	Colorado	
API No.	05-077-09723-00	
G.L. Elevation	6664'	
K.B. Elevation	6684'	
Conductor	@ 40' GL	16" .250" wall
Cement w/	4 yds	Redimix Concrete
Casing	1526'	35 Jts. of 8-5/8", 32#, 8r, J-55, ST&C
Cement w/	220 sxs Lead	Halliburton Type Versacem 95 bbls of 12.3#/Gal Slurry w/ yield of 2.38 and 13.75 gal water/sk
	200 sxs Tail	Halliburton Type Swiftcem 51 bbls of 14.2#/Gal slurry w/ yield of 1.43 and 6.88gal water/sk
Casing	6337'	4-1/2" 11.6# 8r I-80 LTC
Cement w/	450 sxs Lead	Halco Type Econocem 220 bbls of 11# /gal slurry w/yield of 2.75 and 16.31 gal/water sk
	400 sxs Tail	Halco Type Varicem 115 bbls of 13.1#/Gal slurry w/yield of 1.62 and 7.43 gal/water sk
	Marker Joint Tops	
	5294'	28.40
	3199'	28.33
	*Formation Name: Top - Bottom	
	Williams Fork: 3,481' - 5,732'	
	Cameo: 5,732' - 6,134'	
	Rollins: 6,134'	
	*Information from COGCC Form 5	
PBTD	6300'	
TD	6350'	
Tree		
Tubing Hanger		
Tubing Head	11" 3m x 7-1/16" 5m	
Casing Head	8-5/8" SOW x 11" 3m, w/ 1 3m LPO Ball Valve.	Cameron
Casing Hanger	IC-2, 11" x 4-1/2"	

Proposed Well Bore Diagram

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