James Thum

From: James Thum
Sent: Wednesday, October 02, 2019 2:29 PM
To: Diane Kassab; Mitch E. Gore
Subject: Re: Idaho - P&A Plan

Categories: Operations & Inspections, Application processing

Thank you Diane. The revisions look ok. Please notify us when you know for certain at least 24 hours in advance of commencing operations.

Thank you,

James

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From: Diane Kassab <DKassab@high-mesa.com>
Sent: Wednesday, October 2, 2019 10:42:45 AM
To: James Thum <jthum@idl.idaho.gov>
Subject: RE: Idaho - P&A Plan

Hi James,
Sorry to bother you, but just wanted to be sure we didn't need to provide anything else before we move on location next Tuesday, October 8. We have plugging approvals for all seven wells, however, Mitch had revised a few procedures. Thanks so much.
Diane
281-994-5429

From: James Thum <jthum@idl.idaho.gov>
Sent: Monday, September 30, 2019 11:14 AM
To: Mitch E. Gore <MGore@high-mesa.com>; Mick Thomas <mthomas@idl.idaho.gov>
Cc: Diane Kassab <DKassab@high-mesa.com>
Subject: Re: Idaho - P&A Plan

Hi Mitch,
Thanks for the revisions, I will review them later tonight. The permits to plug are good for one year. The department will require a sundry notice for plugging activity submitted at least 24 hours in advance of commencement of operations with the estimated start date.

Let me know if you have any questions.

Regards,

James

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From: Mitch E. Gore <MGore@high-mesa.com<mailto:MGore@high-mesa.com>>
Sent: Monday, September 30, 2019 9:23:55 AM
To: James Thum <jthum@idl.idaho.gov<mailto:jthum@idl.idaho.gov>>; Mick Thomas <mthomas@idl.idaho.gov<mailto:mthomas@idl.idaho.gov>>
Cc: Diane Kassab <DKassab@high-mesa.com<mailto:DKassab@high-mesa.com>>

Subject: Idaho - P&A Plan

James – Attached are the P&A procedures for the 7 wells we plan to begin plugging next week 10/8/19.
A few of them we've discussed already (Island Cap and Tracy Trust), the others should be similar if not the same as previously approved plans.

Do we need to revise the Sundry notifications or can you send us a note back stating that our previous sundries are acceptable with the attached procedures?
I know that James said he'd be out this week, so I've copied Mick Thomas as well.

Thanks

Mitch

P&A Procedure

- Well Name: State 1-17
- AFE# AMI0016PA1
- API# 11-075-20005
- Field: Willow – Hamilton
- County: Payette Co, ID

Well Info:

- TD: 4520
- PBTD 1910''
- Current Perfs (open): 1875' – 1880'
- Prod Csg – 5 /2" 17# J-55 LTC
- Surface Csg – 9 5/8" 36# J-55 STC
- Tubing – 2 7/8" 6.5# J-55 EU 8rd
- Packer at 1815'
- Well status: Shut in
- SITP 700 psi
- SICP 120 psi

Objective: Plug and abandoned well. Operation will be rigless utilizing wireline unit, cmt truck and lease crew.

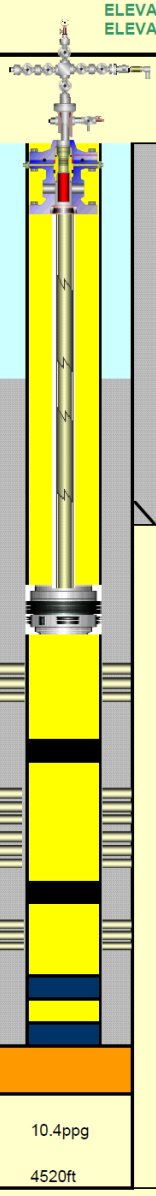
Procedure:

1. MIRU wellhead tech and grease unit.
2. Check SITP / SICP and record same.
3. Grease all valves and work same to ensure all gates seal and can hold pressure.
4. MIRU WLU, 5K pressure control Cmt pump truck and vac truck with Freshwater, flow back tank and lines.
5. Test lines 500/2000 psi.
6. Load/top off annulus with 8.34 ppg FW and test same 300 psig.
7. Establish injection rate into perfs.
8. Mix 25 sk slurry and sqz perfs – displace with 10.5 bbls FW. Plug #1
9. MU GR on WL.
10. RIH to 1805'. POOH.
11. MU CIBP and RIH.
12. Set CIBP at 1805'. Plug #2
13. MU RTG (short pen gun for circulating).
14. RIH w/ RTG. Pressure up tbg to 100 psig and perforate tbg at 1800 (5' above CIBP).
15. POOH with RTG.
16. Break circulation long way and take returns to tank (2 wellbore volumes at 2-3 BPM).
17. Mix 180.50 sks cmt.
18. Circulate in cmt plug from 1800' to surface. Plug #3
19. CWI and SD pumps. Monitor SICP and SITP. Leave well SI overnight (12 hrs)
20. RD cementing unit and WLU. MOL.
21. Dig bell hole around well head and cellar.
22. Remove cellar.
23. Check SITP/SICP and blow down same to 0 psig – Monitor tbg and csg and confirm no flow.
24. Cut window in 9 5/8" csg at 6' below ground level.
25. Cut 5 ½" csg and 2 7/8" tbg from window and let drop.
26. ND prod tree.
27. Make full cut on 9 5/8" (Z pattern) and remove A and B section of well head (make cut flush with 16" conductor 6' below surface.
28. Suck out or blow out water from 16" cond and 9 5/8" csg.
29. Mix and pour in 5 sks cmt from 6' to 11'. Plug #4
30. Weld 16" plate on conductor.
31. MOL.

Current WBS

AM Idaho, LLC
HAMILTON 1-17
WELLBORE DATA SHEET

LEASE:	Bridge Energy	TOTAL DEPTH:	4520ft
WELL:	Hamilton 1-17	SURFACE LOCATION:	N43-57-06.34
LOCATION:	3749 SW Third Avenue-New Plymouth		W116-50-38.85
	Payette County	BOTTOM HOLE LOCATION:	N43-57-06.34
SPUD DATE:	April		W116-50-38.85
OBJECTIVE:	Chalk Creek/Poison Creek Columbia River Basalt	ELEVATION: ELEVATION(KB):	2340ft 2352KB



FORMATION EVALUATION	CASING SIZE (IN)	COMMENTS	HOLE SIZE (IN)	TVD	MUD WEIGHT (ppg)	FRACTURE GRADIENT (ppg)
	16" Line Pipe-Welded	No FIT	25"	139ft	WBM 8.4	8.4
		Top of cmt-500ft				
	9 5/8"-36ppft-R111-J55-STC	FIT	12 1/4"	685ft	WBM 8.4	8.4
Mud Logging Each 10ft from 60ft	Bridge Plug at 1955ft	Packer at 1815ft Perforation-1875ft-1880ft Bridge Plug at 1910ft Perforation-1926ft-1934ft Perforation-1937ft-1947ft Perforation-1964ft-1972ft Float Collar at 2173ft Shoe at 2250ft 200ft Hi-Vis Pill				
Haliburton density,neutron,resistivity,sonic side wall cores	5 1/2"-17ppft-R111-J55-LTC	10.4ppg	8 3/4"	4520ft	WBM 10.4	11.5

Proposed WBS

AM Idaho, LLC
HAMILTON 1-17
WELLBORE DATA SHEET
PROPOSED P&A

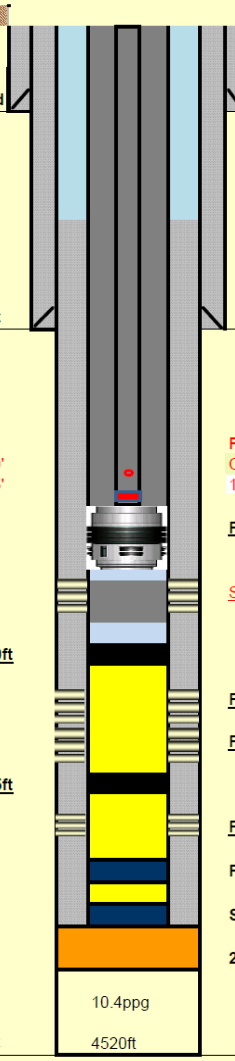
LEASE:	Bridge Energy	TOTAL DEPTH:	4520ft
WELL:	Hamilton 1-17	SURFACE LOCATION:	N43-57-06.34
LOCATION:	3749 SW Third Avenue-New Plymouth		W116-50-38.85
	Payette County	BOTTOM HOLE LOCATION:	N43-57-06.34
SPUD DATE:	April		W116-50-38.85
OBJECTIVE:	Chalk Creek/Poison Creek	ELEVATION:	2340ft
	Columbia River Basalt	ELEVATION(KB):	2352KB

Sqz perfs with 25 sks cmt, set CIBP at 1805', perf tbg at 1800' and circulate in 180.50 sk cmt plug from 1800' to surface.

FORMATION EVALUATION	CASING SIZE (IN)	COMMENTS	HOLE SIZE (IN)	TVD	MUD WEIGHT (ppg)	FRACTURE GRADIENT (ppg)
	16" Line Pipe-Welded	Cut 2 7/8" tbg, 5 1/2" Prod csg, 9 5/8" SC 6' below surface *5 sk plug from 6' to 11' (5' plug) 5 1/2" x 9 5/8" annulus and 16" x 9 5/8" annulus* Install 9 5/8" plate and weld same No FIT	*25"*	139ft	WBM 8.4	8.4
	9 5/8"-36ppft-R111-J55-STC	FIT	*12 1/4"*	685ft	WBM 8.4	8.4
	5 1/2"-17ppft-R111-J55-LTC		8 3/4"	4520ft	WBM 10.4	11.5

Plug #1 Sqz perfs with 25 sks cmt
Plug #2 CIBP at 1805'
Plug #3 Circulate in 180.5 sk plug from 1800' to surface.
Plug #4 5 sk plug from 6' to 11'

Top of cmt-500ft



Perf tbg at 1800'
CIBP at 1805'

Perforate 2-7/8" tubing @ 1,800'-802' MD
Circulate in a cmt plug from 1800' to surface
180.5 sks cmt

Packer at 1815ft

Perforation-1875ft-1880ft

Sqz Perfs with 25 sks cmt 5.25 bbls

Bridge Plug at 1910ft

Perforation-1926ft-1934ft

Perforation-1937ft-1947ft

Mud Logging
Each 10ft from 60ft

Bridge Plug at 1955ft

Perforation-1964ft-1972ft

Float Collar at 2173ft

Haliburton
density,neutron,resistivity,sonic
side wall cores

Shoe at 2250ft

200ft Hi-Vis Pill

10.4ppg

4520ft