



Andrews, David

From: Andrews, David
Sent: Tuesday, January 24, 2012 3:45 PM
To: 'Nikolai_Amortegui@oxy.com'
Cc: Simon_Benevides@oxy.com; Nicolas_Carestia@oxy.com; Brad_Ahlquist@Oxy.com; Joan_Proulx@oxy.com; Chris_Clark@oxy.com; Daniel_Padilla@oxy.com; Edelen, Randy
Subject: RE: OXY/697-04-82/PAD 697-04D AP I050452072800. Side track approval
Attachments: CC 697-04-82 ST-1 Plan 2.pdf; MM Diameters.jpg; MM Diameters 2.jpg; HP 330 04-82 Surveys 1.16.2012.pdf; Industry Guidance UNPLANNED Sidetrack Approval & Reporting Rev 09-22-2011.pdf

Nikolai,

Consider this your verbal approval to proceed with the sidetrack, as described below, and as shown on the attached planned directional survey. Please coordinate submittal of Form 2, Form 4, and Form 5 (submit as "final" not "preliminary" for both the 00 Wellbore Form 5 and the 01 Wellbore Form 5) with COGCC's permit tech, Randy Edelen, in our Denver office. I have re-attached our sidetrack guidance document for your reference. Randy has already confirmed that the new BHL is legal based on the attached data.

Please submit a revised planned directional survey with your new Form 2 for the sidetrack showing decimal degree coordinates with a NAD83 datum (refer to Rule 215 for specific requirements). The attached file uses UTM coordinates.

Thanks,

David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

State of Colorado
Oil and Gas Conservation Commission
707 Wapiti Court, Suite 204
Rifle, Colorado 81650
Office Phone: (970) 625-2497 Ext. 1
Cell Phone: (970) 456-5262
Fax: (970) 625-5682
E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

From: Nikolai_Amortegui@oxy.com [mailto:Nikolai_Amortegui@oxy.com]
Sent: Tuesday, January 24, 2012 3:18 PM
To: Andrews, David
Cc: Simon_Benevides@oxy.com; Nicolas_Carestia@oxy.com
Subject: FW: OXY/697-04-82/PAD 697-04D AP I050452072800. Side track approval

A couple of corrections from the previous e-mail. Apologize for the inconvenient.

2. Total depth reach 9410'

4. Fish long. (attach)

- Mud motor 30.09 ft
- Bit 2 ft
- Total fish 32.09 ft

- Top of the fish 4830'
- Bottom 4862.09

Nikolai Amortegui

Drilling Engineer
OUSA Mid-Cont Ops Drilling
OXY USA Inc.
Phone: 713-215-7181
Mobile: 832-494-0874

Email: nikolai_amortegui@oxy.com

From: Amortegui, Nikolai

Sent: Tuesday, January 24, 2012 4:09 PM

To: 'Andrews, David'

Cc: Ahlquist, Brad G; Carestia, Nicolas A; Benavides, Simon (BISON ENERGY PARTNERS LTD); Proulx, Joan M

Subject: RE: OXY/697-04-82/PAD 697-04D AP I050452072800. Side track approval

David,

As per our conversation here it is the data for the sidetrack approval:

1. 697-04-82 well was drilled to a TD of 9410'. While running the 4.5" production casing OXY encountered restriction at 5200', the production casing was laid down and three clean up trips have been attempted. The clean up trips were unsuccessful, during the final attempt a DHM failure resulted in the loss of a bit and stator left in hole.
2. Total depth reach 9400'
3. It was not was set the 4 1/2" production casing.
4. Fish long. (attach)
 - Mud motor 30.09 ft
 - Bit 2 ft
 - Total fish 32.09 ft

 - Top of the fish 4830'
 - Bottom 4797.91
 -
5. A previous plug was set at 4830' to 4730'. 15.4 BBL OF 15.8PPG CEMENT WITH 1.15 YIELD AND 4.95 GAL/SK. 200' height theoretical.

A second KOP cement plug will be balanced. TOC at 2950' and bottom at 3450'. 40 bbls of 17 ppg cement. 500' height theoretical.
6. Proposed KOP 3100'.
7. Same objective formation. Illes – Williams Fork.
9. Coordinates for the new BHL are Northing 635201.29 usft – Easting 1230163.04 us ft.

Also, I am attaching the sidetrack plan, fish diagrams and surveys from the previous well.

Please let me know if it is necessary to get more information for you.

Thanks,

Nikolai Amortegui
Drilling Engineer

OUSA Mid-Cont Ops Drilling

OXY USA Inc.

Phone: 713-215-7181

Mobile: 832-494-0874

Email: nikolai_amortegui@oxy.com

From: Andrews, David [<mailto:David.Andrews@state.co.us>]

Sent: Saturday, January 21, 2012 11:30 AM

To: Amortegui, Nikolai

Subject: RE: OXY/697-04-82/PAD 697-04D AP I050452072800

Thanks.

From: Nikolai Amortegui@oxy.com [mailto:Nikolai_Amortegui@oxy.com]

Sent: Saturday, January 21, 2012 10:00 AM

To: Andrews, David; Simon_Benevides@oxy.com

Cc: Brad_Ahlquist@Oxy.com; Joan_Proulx@oxy.com; Edelen, Randy; Koehler, Bob

Subject: RE: OXY/697-04-82/PAD 697-04D AP I050452072800

David,

Monday we will be discussing the best option for 697-04-82 well and working for the additional documentation required.

Thanks,

Nikolai Amortegui

Drilling Engineer

OUSA Mid-Cont Ops Drilling

OXY USA Inc.

Phone: 713-215-7181

Mobile: 832-494-0874

Email: nikolai_amortegui@oxy.com

From: Andrews, David [<mailto:David.Andrews@state.co.us>]

Sent: Saturday, January 21, 2012 10:51 AM

To: Benavides, Simon (BISON ENERGY PARTNERS LTD)

Cc: Ahlquist, Brad G; Proulx, Joan M; Amortegui, Nikolai; Edelen, Randy; Koehler, Bob

Subject: RE: OXY/697-04-82/PAD 697-04D AP I050452072800

Simon: This email confirms my verbal approval to proceed with the plugs shown in your email below, as discussed during our telephone conversation this morning.

Joan: Please submit a Form 4 (Sundry Notice) on Monday to request temporary abandonment of this well. If Oxy intends to leave the well TA'd for longer than six months, then the Form 4 "shall state the reason for requesting such extension and state plans for future operation," per Rule 319.b. Subsequent Form 4's would be required annually thereafter as long as the well remains TA'd. If operations on this well are suspended for more than 30 days prior to commencing a sidetrack, then a "preliminary" Form 5 (Drilling Completion Report) is also required to document the current wellbore conditions, per Rule 308A. The Form 5 would be considered a "final" Form 5 for the 00 wellbore if the sidetrack occurs within 30 days (in that case, a "preliminary" Form 5 would not be required).

I advised Simon that additional documentation (email and forms) will be required after Oxy develops plans for a forthcoming sidetrack. Our current sidetrack guidance is attached for your reference.

Thanks,

David D. Andrews, P.E., P.G.

Engineering Supervisor - Western Colorado

**State of Colorado
Oil and Gas Conservation Commission**

707 Wapiti Court, Suite 204
Rifle, Colorado 81650
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Cell Phone: (970) 456-5262
Fax: (970) 625-5682
E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

From: [Simon Benevides@oxy.com](mailto:Simon_Benevides@oxy.com) [mailto:[Simon Benevides@oxy.com](mailto:Simon_Benevides@oxy.com)]
Sent: Saturday, January 21, 2012 9:31 AM
To: Andrews, David
Cc: [Brad Ahlquist@Oxy.com](mailto:Brad_Ahlquist@Oxy.com); [Joan Proulx@oxy.com](mailto:Joan_Proulx@oxy.com); [Nikolai Amortegui@oxy.com](mailto:Nikolai_Amortegui@oxy.com)
Subject: OXY/697-04-82/PAD 697-04D AP I050452072800

| | |
|-----------------------------|-----------------------------|
| Operator: | OXY USA |
| Well Name: | CC 697-04-82 |
| Legal Description: | Sec 4 Town 6S Range 97W |
| COGCC # | 66571 |
| API# | 050452072800 |
| Rig Name and Number: | H&P 330 |
| OXY Supervisor | VICTOR BENAVIDES/DEREK ADAM |
| Phone number at rig: | 281-436-6424 |

Mr. Andrews

The above well was drilled to a TD of 9410'. While running the 4.5" production casing OXY encountered restriction at 5200', the production casing was laid down and three clean up trips have been attempted. The clean up trips were unsuccessful, during the final attempt a DHM failure resulted in the loss of a bit and stator left in hole.

If approved the go forward plan for OXY is to set a 100' abandonment plug above the fish and a Retrievable bridge plug at 2225' inside the 9.625 surface casing. The operations on this well would be temporarily suspended, and a plan for future operations on this well will be developed and implemented.

H&P 330 will skid to the next planned well.

Please let me know if you have any questions or comments.

Thanks,

Simon Benavides
Oxy Mid-Con
281-617-4522
832-693-9481

Scientific Drilling

Drill Motor Fishing Dimensions

Date: 12/30/11
Motor #: 6374
Customer: CSP
Rig:
Technician: Jesse L. Miller

Lobe/Stage: 2:83.3
Degree of Bend: 150
Elastomer: 114



Scientific Drilling

BFF

Bore Depth

Serial #: 10374

Bent Hsg: 1.50

Speed: 78

Stages: 33

Pad inh. _____

Pad O.D. _____

Sleeve O.D. _____

Equiv O.D. _____

REMARKS

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30.09

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7.35

5.13

1.57

1.05

.95

NO

Stator Hsg

NO

Bent Hsg

Fixed Bend

Up Brg Hsg

Sleeve

Lwr Brg Hsg

Mandrel

Bit Sub