

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE** - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. RANGELY WEBER SAND UNIT / COC47675X
2. Name of Operator CHEVRON U.S.A. INC.		8. Well Name and No. S.B. LACY 11Y
3a. Address 100 CHEVRON ROAD RANGELY, CO 81648	3b. Phone No. (include area code) (970) 675-3842	9. API Well No. 051030914400
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1030' FSL & 410' FEL (SE SE) Section 23, T2N, R103W, 6th PM		10. Field and Pool or Exploratory Area RANGELY / WEBER FORMATION
		11. Country or Parish, State RIO BLANCO, COLORADO

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

JOB SCOPE - CONVERT OIL PRODUCER S.B. LACY 11Y TO NAVAJO FORMATION WATER DISPOSAL WELL.
FEDERAL LEASE IN FEDERAL UNIT - COGCC PERMITTING IS PENDING.

OBJECTIVE - Plugback Weber, Perforate Navajo, Run new injection equipment and place well on water disposal

Please see detailed job plan, current wellbore and the proposed wellbore diagrams attached.

IF YOU HAVE ANY QUESTION CONCERNING THIS WELL PLAN PLEASE CONTACT CHEVRON ENGINEER EMILY PUGH AT 435-687-7366.

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) DIANE PETERSON		Title PERMITTING SPECIALIST
Signature <i>Diane Peterson</i>		Date 05/01/2018

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Thant R. Walker</i>		Title Field Manager	Date 5/14/18
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office White River Field Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OPERATOR

CONDITIONS OF APPROVAL FOR CONVERSION TO WATER DISPOSAL

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO ENSURE COMPLIANCE**

Failure to comply with the following conditions of approval may result in a Notice of Incident of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. All operations shall be conducted per OO#2 and 43 CFR 3160.
2. Approval for this conversion must also be obtained from the Colorado Oil and Gas Conservation Commission. Submit proof of the approval to the BLM via Sundry (Form 3160-5) and include, at a minimum, approved Forms 2, 26, 31, and 33.
3. This BLM office should be notified sufficiently in advance (48 hour minimum) of actual plugbuck and conversion work, so that a representative may have an opportunity to witness the operation.
4. All trash, junk, and other waste material shall be contained in trash cages or bins to prevent scattering and shall be removed and deposited in an approved landfill.
5. This approval is based upon the assumption that wellbore conditions are as presented in the Notice of Intent. If unexpected wellbore conditions occur, this procedure may require modification to meet our regulations. This will be done on a case-by-case basis with consultations with the BLM and your personnel.
6. Within **30 days** after the conversion is completed, a Subsequent Report Sundry (Form 3160-5) must be filed with the BLM WRFO showing the dates of the conversion operations, location of squeezes, amount of cement in each squeeze, the type and depth of casing and tubing left in the hole, depth of injection perforations, depth of packers, results of pressure tests, and an overall summary of the operations that took place. The Sundry should have a written report containing this information and a final wellbore diagram, at a minimum.
7. You shall monitor the annulus between the 7" production casing and the 9.625" surface casing on a monthly basis at a minimum. Notify the BLM WRFO immediately if pressure exceeds 200 psi.
8. You must obtain BLM approval prior to recompleting or permanently abandoning the well.

The Bureau of Land Management, White River Field Office address is:
220 E. Market St.
Meeker, CO 81641
(970) 878-3800

CONTACTS:

Petroleum Engineers:

Kenneth Rennick

Work Phone (970) 878-3846
Cell Phone (720) 418-1516

Supervisory Petroleum Engineering Technician:

Bud Thompson

Work Phone (970) 878-3828
Cell Phone (970) 942-7040

Lacy S.B. 11Y

API: 05-103-09144

Zone Abandon Weber & Convert to Navajo Disposal Well

1. MIRU workover rig. N/D Tree N/U BOPE and test.
2. Release from on/off and TOH with tubing.
3. Fish top and bottom 7" FH packers and tubing from well.
4. P/U bit and scraper. Make bit and scraper run to top perf @ 5,940'. TOOH L/D bit and scraper.
5. P/U 7" packer/RBP combo. TIH to 4,630' and set RBP. Pull up 1 joint and set packer and test RBP to ensure holding.
6. Release packer. Test casing from RBP @ 4,415' to surface to 2,200 psi for 30 minutes.
 - a. NOTE: If casing does not test communicate with Tech Team and COGCC on revised plan forward.
7. Latch RBP and TIH to 5,890' and set. Test casing to 500 psi for 15 minutes.
 - a. NOTE: If casing does not test communicate with Tech and COGCC on revised plan forward.
8. Latch RBP. TOOH L/D RBP and Packer.
9. P/U 7" CICR and TIH and set @ 5,890'. Pressure test tubing to 2000 psi. Establish Injection rate through CICR.
10. MIRU cement providers. Test lines to 500 psi above established injection rate.
11. Squeeze Weber perforations with ~135 sacks of 1.15 cuft/sk Neat G cement (27.5 bbls)
 - a. NOTE: Volume equal to 592' of perfs plus 20% excess.
12. Sting out retainer leaving 150' or 28 sacks of Neat G cement on top of the retainer. Pull up 100' and reverse tubing clean 1-1/2 tubing volumes. TOOH.
13. MIRU E-line equipment. RIH and perforate Navajo from 4,465' to 5,055' with guns loaded 3 SPF and 120 degree phasing. POOH verify guns fired.
14. P/U treating packer and TIH to 4,630' and breakdown Navajo perfs and acidized as needed.
15. TOOH L/D packer.
16. RIH with injection Equipment.
17. N/D BOPE. RDMO. Turn well over to operations.

Rangely Weber Sand Unit

Well Details:	
STATE & CO	CO - Rio Blanco
TWNS & RNG	TN002 & RW103
SECTION	(SESE) 23
API	51030914400
CHEVNO	FM7037

Casing Details:	
Type	Depth
KB	5448
16in. UNKNOWN #/ft, 0	0-56', 4 YDS cmt
9.625in. K-55 #/ft, 36	0-2479', 685 sxs cmt
7in. K-55 #/ft, 23	0-5447', 0 sxs cmt
7in. K-55 #/ft, 26	5447-6751', 1070 sxs cmt
DV Tool	4385'
Top Perf	5940
Bot Perf	6532
PBTD	6664
TD	6755

Formation	Depth
Niobrara	
Frontier	2984
Frontier Snd	
Mowry	
Dakota	3338
Morrison	3434
Curtis	4137
Entrada	4239
Carmel	4389
Navajo	4440
Chinle	5062
Shinarump	5166
Moenkopi	5257
Weber	5923

COGCC Regulations: Set Isolation Packer
within 100' of perfs

GOC_CALC	5777	Cum HCPV
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Weber 1a	5923	31%
Weber 2	6082	
Weber 3a	6091	45%
Weber 4	6173	
Weber 5a	6186	85%
Weber 6	6330	
Weber 7a	6341	97%
Weber 8	6449	
Weber 9a	6481	100%
Weber 10	6575	
Weber 11a	6587	100%

OWC_CALC	6597
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KB 5448

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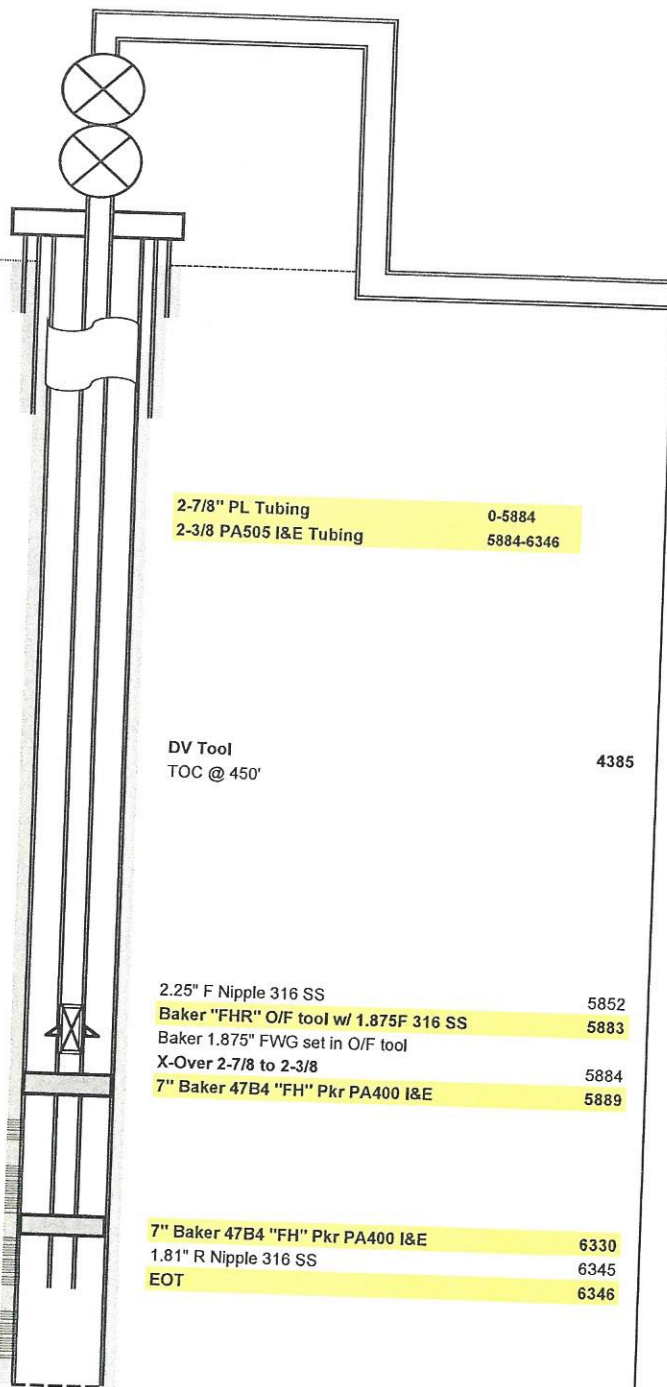
7in. K-55 #/ft, 26
5447-6751', 1070 sxs cmt

Top Perf 5940

Btm Perf 6532

PBTD 6664
TD 6755

LACY SB 11Y Current Wellbore



2-7/8\" PL Tubing 0-5884
2-3/8 PA505 I&E Tubing 5884-6346

DV Tool
TOC @ 450' 4385

2.25\" F Nipple 316 SS 5852
Baker \"FHR\" O/F tool w/ 1.875\" 316 SS 5883
Baker 1.875\" FWG set in O/F tool
X-Over 2-7/8 to 2-3/8 5884
7\" Baker 47B4 \"FH\" Pkr PA400 I&E 5889

7\" Baker 47B4 \"FH\" Pkr PA400 I&E 6330
1.81\" R Nipple 316 SS 6345
EOT 6346

Notes:

- 1-
- 2-
- 3-
- 4-

****DOUBLE CHECK TUBING LANDING DETAIL IN WELL/TOUR FILE****

Rangely Weber Sand Unit

LACY SB 11Y Proposed Wellbore

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0-5447', 0 sxs cmt

7in. K-55 #/ft, 26
5447-6751', 1070 sxs cmt

DV Tool 4385

Navajo Top Perf 4465

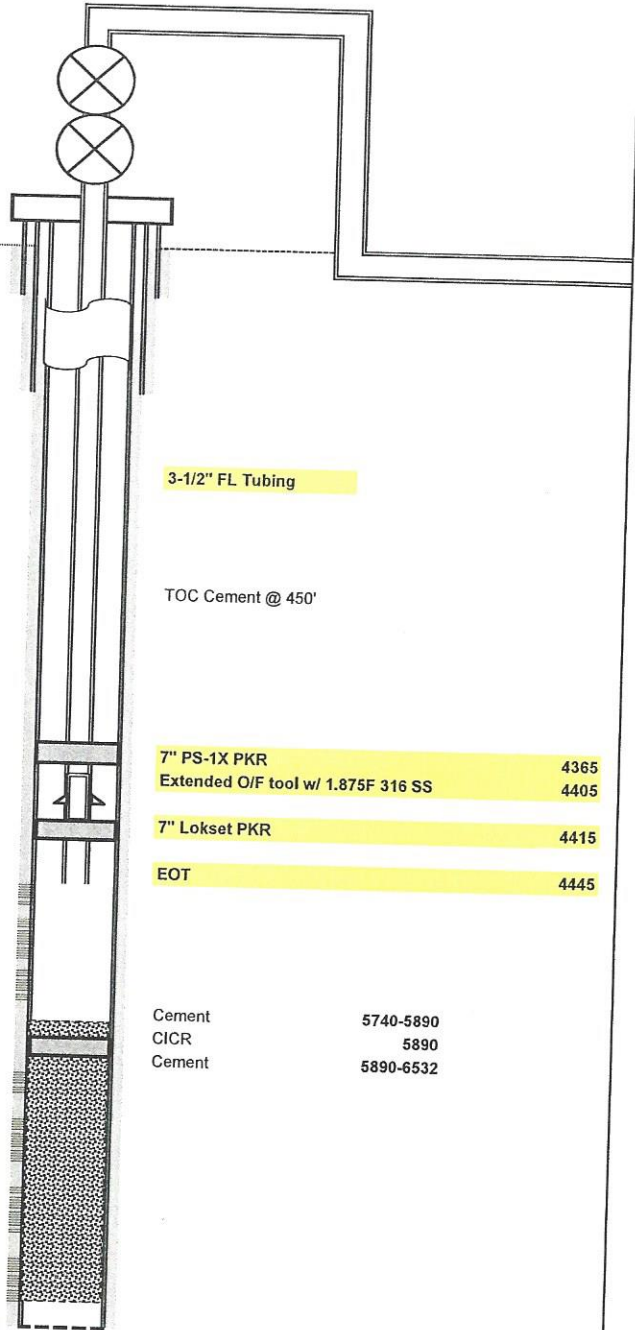
Navajo Btm Perf 5055

Weber Top Perf 5940

Weber Btm Perf 6532

PBTD 6664

TD 6755



3-1/2" FL Tubing

TOC Cement @ 450'

7" PS-1X PKR 4365
Extended O/F tool w/ 1.875F 316 SS 4405

7" Lokset PKR 4415

EOT 4445

Cement 5740-5890
CICR 5890
Cement 5890-6532

****DOUBLE CHECK TUBING LANDING DETAIL IN WELL/TOUR FILE****

Notes:

- 1-
- 2-
- 3-
- 4-