U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 02/02/2023
Well Name: OXBOW CC 17-8 FED COM	Well Location: T24S / R29E / SEC 17 / SESW / 32.2110341 / -104.0096104	County or Parish/State: EDDY / NM
Well Number: 15H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM94651	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548277	Well Status: Drilling Well	Operator: OXY USA INCORPORATED

Notice of Intent

Sundry ID: 2709510

Type of Submission: Notice of Intent

Date Sundry Submitted: 01/05/2023

Date proposed operation will begin: 02/13/2023

Type of Action: APD Change Time Sundry Submitted: 08:20

Procedure Description: Oxy USA Inc. respectfully requests to update the APD with the following changes: BHL move, and drill plan update with all 5.5" production casing. Old BHL: 20 FNL, 1700 FWL, C, Sec 8, T24S, R29E New BHL: 20 FNL, 1800 FWL, C, Sec 8, T24S, R29E

NOI Attachments

Procedure Description

OxbowCC17_8FederalCom15H_TNSWedge461_5.500in_20.00ppf_P110CY_20230105081949.pdf

OxbowCC17_8FederalCom15H_TNSWedge441_5.500in_20.00ppf_P110CY_20230105081947.pdf

OxbowCC17_8FederalCom15H_13inADAPT_10.75in_7.625in_10x10_20230105081936.pdf

OxbowCC17_8FederalCom15H_DrillPlan_20230105081936.pdf

OxbowCC17_8FederalCom15H_TNSWedge425_5.500in_20.00ppf_P110CY_20230105081936.pdf

OxbowCC17_8FederalCom15H_DirectPlan_20230105081936.pdf

OxbowCC17_8FederalCom15H_DirectPlot_20230105081936.pdf

Oxbow_CC_17_8_Fed._Com__15H_c_102__Rev._A__flat_20230105081937.pdf

Received by OCD: 2/2/2023 8:52:26 AM Well Name: OXBOW CC 17-8 FED COM	Well Location: T24S / R29E / SEC 17 / SESW / 32.2110341 / -104.0096104	County or Parish/State: EDD ?? of 3	
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Conditions of Approv	val		
Additional			
OXBOW_CC_17_8_FED_COM_15H	COA_20230201103929.pdf		
Operator			

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature:	STEPHEN JANACEK
Name: OXY USA INCORPORAT	ED
Title: Regulatory Engineer	
Street Address: 5 Greenway Pla	za, Suite 110
City: Houston	State: TX
Phone: (713) 497-2417	
Email address: stephen_janacek	@oxy.com
Field	
Representative Name:	
Street Address:	
City:	State:
Phone:	
Email address:	

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY BLM POC Phone: 5759884722 Disposition: Approved Signature: KEITH IMMATTY

BLM POC Title: ENGINEER

Zip:

BLM POC Email Address: KIMMATTY@BLM.GOV

Signed on: JAN 05, 2023 08:20 AM

Disposition Date: 02/01/2023

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (375) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (375) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Pax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

✓ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION PLAT												
API Number Pool Code								Pool Name					
30-015-48277 50371 / 96473 / 115				520 рі	ERCE CROS	SING; BS / PIE	RCE CROSSI	ING; BS EA	AST / CEE	DAR CANYON; BS			
Prope	rty Code	,					Property	v Name				И	Vell Number
321633				OXBC	W C	'C "1"	7_8"	FEDERA	L COM				15H
OGR	ID No.						Operator	r Name					Elevation
16696						OXY	USA	A INC.				2936.6'	
						Surfa	ace Lo	ocation					
UL or lot no.	Section	Townshi	ip	Rang	ge		Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
N	17	24 SOU	ITH 2	29 EAST,	N. M. F	Р. М.		255'	SOUTH	1700'	WES	ST	EDDY
				Bottom H	Hole I	Locatio	on If 1	Different H	From Surfac	e			
UL or lot no.	Section	Townshi	ip	Rang	ge.		Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
C 8 24 SOUTH 29 EAST, N.M.P.M.				20'	NORTH	1800'	WES	T	EDDY				
Dedicated	Acres	Joint or Int	fill Cons	solidation Cod	e 0.	rder No.		1	1				
640		Y											

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NAD 83 7 8 1800' > 100' BOTTOM HOLE LOCATI NEW MEXICO EAST Y=459076.60 US FT BOTTOM HOLE LOCATI NAD 1983 Y=451035.61 US FT 1800' 1800' NEW MEXICO EAST NAD 1983 NAD 1983 Y=459076.60 US FT 1800' 1800' 1800' 1800' Y=459076.60 US FT 1800' 1800' 1800' 1800' Y=451006.00 US FT 1800' 1800' 1800' 1800' Y=451006.00 US FT 1800' 1800' 1800' 1800' Y=451006.00 US FT 1800' 1800' 1800' 1800' 1800' Y=451006.00 US FT 1800' 1800' 1800' 1800' 1800'	X=642349./5 US F1 NAD 27 I hereby certify that the information contained herein is true and Y=45008243 US FT
LAT.: N 32.2394761	NAD 27 I hereby certify that the information contained herein is true and Y=450062 43 US FT
LAT.: N 32.2394761	T Y=450962.43 US FT
LAT.: N 32.2394761	x=601166.07 US FI complete to the best of my knowledge and belief, and that this
LONG.: W 104.00936	Portion of wellbore in 24S
NAD 1027	29E, Sec 8 IS PIERCE
NAD B3 Y=450946.97 US FT X=600317.78 US FT LAT: N 32.2393537 V=448302.19 US FT LAT: N 32.2393537 V=448302.19 US FT LAT: N 32.2393537 V=448302.19 US FT LAT: N 32.2393537	Assigned 160 acres. has a right to drill this well at this location pursuant to a contract
X=448321.23 US FT 598528.59 US FT 5	with an owner of such a mineral or working interest, or to a
	LAST TAKE POINT NEW MEXICO EAST voluntary pooling agreement or a compulsory pooling order
Portion of wellbore in 24 24S 29E, Sec 8 is 24 PIERCE CROSSING BS	NAD 1983
	Y=450925.99 US FT heretofore entered by the division. X=641501.88 US FT Stenhen Janarek 1/5/2023 LAT: W 104 0003667* Stenhen Janarek 1/5/2023
EAST (96473) Assigned	LONG.: W 104.0093667 NAD 1927 Date Date
NAD 83 Y=445723.91 US FT X=639723.37 US FT NAD 27	LONG.: W 104.0088765' Printed Name
NAD B3 Y=4457/23.37 US X=6397/23.37 US Y=445702.65 US Y=445702.65 US Y=445702.65 US Y=445665.02 US Y=445665 US	STEPHEN_JANACEK@OXY.COM
	8 9 E-mail Address
	17 16
SURFACE LOCATION	Portion of wellbore in 24S 29E, Sec 17 is PIERCE
NEW MEXICO EAST NAD 1983 Y=440659.03 US FT X=641457.47 US FT	CROSSING; BS (50371) I hereby certify that the well Jocation shown on this
LAT.: N 32.2110341' - 229.03 - 229.03	made hume no under my companyiston and that the
NAD 1927	NEW MEXICO EAST same is true and correct to the best of my belief.
Y=440600.20 US FT X=600273.56 US FT	NAD 1983 Y=440503.70 US FT X=641558.65 US FT NAD 1983
X=600273.56 US F1 LAT:: N 32.2109113' LONG:: W 104.0091211'	LAT.: N 32.2106062
	NAD 1927
Y=443068.50 US FT X=639741.38 US FT WICK OFF POIN NEW MEXICO EA	T Y=440444.88 US FT X=600374.74 US FT LAT: N 32.2104835 Professional Surveyor
Y=443009.65 US FT NAD 1983	LONG.: W 104.0087955*
X=598557.56 US FT Y=440453.70 US X=641558.93 US X=641558.93 US LAT:: N 32.21046	388*
LONG.: W 104.009	2843'
X=639759.18 US FT 1700' Y=440394.88 US X=600375.01 US X=600375.01 US	FT Y=440400.96 US FT Jenny Us FT FT X=642408.43 US FT Jenny 150.70
NAD 83 NAD 1927 Y=440409.50 US FT 1700' Y=440394.88 US NAD 27 Y=40350.71 US FT 1700' X=598575.30 US FT Y=440350.71 US FT 17 1800' LAT.: N 32.21034 LONG:: W 104.008 LAT.: N 104.008	
used to Imaging: 2/3/2023 8:50:45 \$M ¹⁰⁰	17 16 X=601224.50 US FI WO# 191011WL-h (Rev. A)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	OXY USA INCORPORATED
WELL NAME & NO.:	OXBOW CC 17-8 FED COM 15H
SURFACE HOLE FOOTAGE:	255'/S & 1700'/W
BOTTOM HOLE FOOTAGE	20'/N & 1800'/W
LOCATION:	T-24S, R-29E, S-17. NMPM
COUNTY:	EDDY COUNTY, NEW MEXICO

COA

H2S	O Yes	• No	
Potash	None	Secretary	© R-111-P
Cave/Karst Potential	O Low	Medium	O High
Cave/Karst Potential	Critical		
Variance	O None	Flex Hose	O Other
Wellhead	Conventional	Multibowl	O Both
Other	□4 String Area	Capitan Reef	WIPP
Other	Fluid Filled	Cement Squeeze	□ Pilot Hole
Special Requirements	🗆 Water Disposal	COM	🗆 Unit

A. CASING

Alternate Casing Design:

- 1. The **10-3/4** inch surface casing shall be set at approximately **535** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of $\underline{8}$ <u>hours</u> or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The **7-5/8** inch intermediate casing shall be set at approximately **6,982** feet. **KEEP CASING HALF FULL DURING RUN FOR COLLASPE SF.** The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
- In <u>Medium Cave/Karst Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Operator has proposed to pump down 10-3/4" X 7-5/8" annulus. <u>Operator must top</u> <u>out cement after the bradenhead squeeze and verify cement to surface. Operator</u> <u>can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8"</u> <u>casing to surface if confidence is lacking on the quality of the bradenhead squeeze</u> <u>cement job. Submit results to BLM.</u>

3. The **5-1/2** inch production casing shall be set at approximately **18,610** feet. The minimum required fill of cement behind the **5-1/2** inch production casing is:

Option 1 (Single Stage):

• Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.

- Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
- BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- <u>Wait on cement (WOC) for Potash Areas:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24 hours</u>. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. <u>Wait on cement (WOC) for Water Basin:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL
- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
- e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall

have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

KPI - 2/1/2023

Oxy USA Inc. - Oxbow CC 17_8 Federal Com 15H Drill Plan

1. Geologic Formations

TVD of Target (ft):	7787	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	18610	Deepest Expected Fresh Water (ft):	280

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	280	280	
Salado	595	595	Salt
Castile	1237	1237	Salt
Delaware	2789	2789	Oil/Gas/Brine
Bell Canyon	2841	2841	Oil/Gas/Brine
Cherry Canyon	3721	3721	Oil/Gas/Brine
Brushy Canyon	4991	4966	Losses
Bone Spring	6627	6560	Oil/Gas
Bone Spring 1st	7625	7510	Oil/Gas
Bone Spring 2nd			Oil/Gas
Bone Spring 3rd			Oil/Gas
Wolfcamp			Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

	MD		TVD						
	Hole	From	То	From	То	Csg.	Csg Wt.		
Section	Size (in)	(ft)	(ft)	(ft)	(ft)	OD (in)	(ppf)	Grade	Conn.
Surface	14.75	0	535	0	535	10.75	45.5	J-55	BTC
Intermediate	9.875	0	6982	0	6903	7.625	26.4	L-80 HC	BTC
Production	6.75	0	18610	0	7787	5.5	20	P-110	Wedge 461

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

*Oxy requests the option to run production casing with DQX, TORQ DQW, Wedge 425, Wedge 461, and/or Wedge 441 connections to accommodate hole conditions or drilling operations.

All Casing SF Values will meet or exceed								
those below								
SF SF Body SF Joint SF								
Collapse	Burst	Tension	Tension					

Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement from Onshore Order #2 under the following conditions:

- 1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casings.
- 2. Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards?	Y
If not provide justification (loading assumptions, casing design criteria).	1
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching	Y
the collapse pressure rating of the casing?	1
Is well located within Capitan Reef?	Ν
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	Ν
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back	
500' into previous casing?	
Is well located in R-111-P and SOPA?	Ν
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Ν
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	Ν
If yes, are there three strings cemented to surface?	

3. Cementing Program

Section	Stage	Slurry:	Sacks	Yield (ft^3/ft)	Density (Ib/gal)	Excess:	тос	Placement	Description
Surface	1	Surface - Tail	448	1.33	14.8	100%	-	Circulate	Class C+Accel.
Int.	1	Intermediate 1S - Tail	238	1.65	13.2	5%	5,241	Circulate	Class H+Accel., Disper., Salt
Int.	2	Intermediate 2S - Tail BH	812	1.71	13.3	25%	-	Bradenhead	Class C+Accel.
Prod.	1	Production - Tail	916	1.38	13.2	25%	6,482	Circulate	Class H+Ret., Disper., Salt

Offline Cementing

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365.

The summarized operational sequence will be as follows:

Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).

Land casing.

Fill pipe with kill weight fluid, and confirm well is static.

If well Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365.

The summarized operational sequence will be as follows:

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).
- 2. Land casing.
- 3. Fill pipe with kill weight fluid, and confirm well is static.
 - a. If well is not static notify BLM and kill well.
 - b. Once well is static notify BLM with intent to proceed with nipple down and offline cementing.
- 4. Set and pressure test annular packoff.
- 5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed.
- 6. Skid rig to next well on pad.
- 7. Confirm well is static before removing cap flange.
- 8. If well is not static notify BLM and kill well prior to cementing or nippling up for further remediation.
- 9. Install offline cement tool.
- 10. Rig up cement equipment.
 - a. Notify BLM prior to cement job.
- 11. Perform cement job.
- 12. Confirm well is static and floats are holding after cement job.
- 13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8" intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019.

Three string wells:

- CBL will be required on one well per pad
- If the pumped volume of cement is less than permitted in the APD, BLM will be notified and a CBL may be run
- Echometer will be used after bradenhead cement job to determine TOC before pumping top-out cement

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP		Туре	~	Tested to:	Deepest TVD Depth (ft) per Section:		
		3M		Annular	\	70% of working pressure			
				Blind Ram	\				
9.875" Hole	13-5/8"	13-5/8"	3M		Pipe Ram		250 poi / 2000 poi	6903	
		3171		Double Ram	<	250 psi / 3000 psi			
			Other*						
		3M		Annular	\	70% of working pressure			
			Blind Ram		\				
6.75" Hole	13-5/8"	3M		Pipe Ram		250 poi / 2000 poi	7787		
		SIVI		Double Ram	✓	250 psi / 3000 psi			
			Other*						

*Specify if additional ram is utilized

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

Formation integrity test will be performed per Onshore Order #2.

On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.

A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.

Are anchors required by manufacturer?

A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015.

See attached schematics.

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019.

BOP break test under the following conditions:

- After a full BOP test is conducted
- When skidding to drill an intermediate section where ICP is set into the third Bone Spring or shallower.

If the kill line is broken prior to skid, two tests will be performed.

- 1) Wellhead flange, co-flex hose, kill line connections and upper pipe rams
- 2) Wellhead flange, HCR valve, check valve, upper pipe rams

If the kill line is not broken prior to skid, only one test will be performed.

1)Wellhead flange, co-flex hose, check valve, upper pipe rams

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

5. Mud Program

Section	Depth - MD		Depth - TVD		Trme	Weight	Viscosity	Water	
Section	From (ft)	To (ft)	From (ft)	To (ft)	Туре	(ppg)	viscosity	Loss	
Surface	0	535	0	535	Water-Based Mud	8.6 - 8.8	40-60	N/C	
Intermediate	535	6982	535	6903	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C	
Production	6982	18610	6903	7787	Water-Based or Oil- Based Mud	8.0 - 9.6	38-50	N/C	

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

What will be used to monitor the	PVT/MD Totco/Visual Monitoring
loss or gain of fluid?	

6. Logging and Testing Procedures

Loggi	ng, Coring and Testing.
Yes	Will run GR from TD to surface (horizontal well – vertical portion of hole).
res	Stated logs run will be in the Completion Report and submitted to the BLM.
No	Logs are planned based on well control or offset log information.
No	Drill stem test? If yes, explain
No	Coring? If yes, explain

Addit	ional logs planned	Interval
No	Resistivity	
No	Density	
Yes	CBL	Production string
Yes	Mud log	Bone Spring – TD
No	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	3888 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	143°F

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

	H2S is present
Y	H2S Plan attached

8. Other facets of operation

	Yes/No
Will the well be drilled with a walking/skidding operation? If yes, describe.We plan to drill the 2 well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well.	Yes
Will more than one drilling rig be used for drilling operations? If yes, describe.Oxy requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Oxy would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig.	Yes

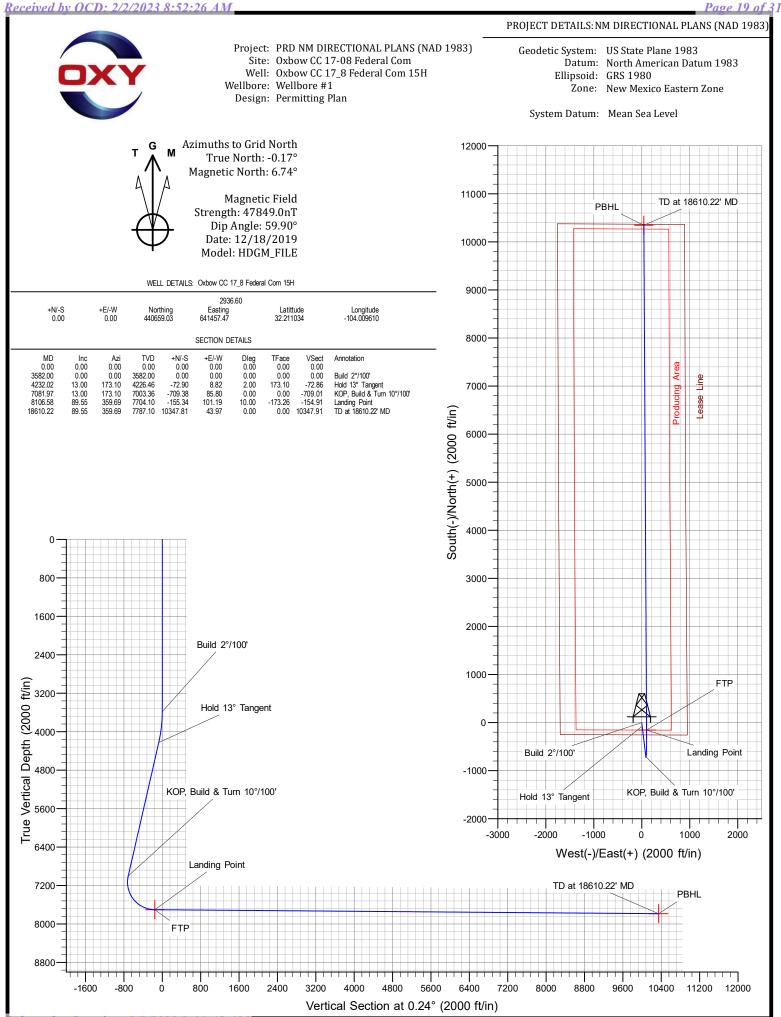
Total Estimated Cuttings Volume: 1239 bbls

Attachments

- _x__ Directional Plan
- _x__ H2S Contingency Plan
- _x__ Flex III Attachments
- _x__ Spudder Rig Attachment
- _x__ Premium Connection Specs

9. Company Personnel

Name	<u>Title</u>	Office Phone	Mobile Phone
Garrett Granier	Drilling Engineer	713-513-6633	832-265-0581
Derek Adam	Drilling Engineer Supervisor	713-366-5170	916-802-8873
Casey Martin	Drilling Superintendent	713-497-2530	337-764-4278
Kevin Threadgill	Drilling Manager	713-366-5958	361-815-0788



Released to Imaging: 2/3/2023 8:10:45 AM

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983) Oxbow CC 17-08 Federal Com Oxbow CC 17_8 Federal Com 15H

Wellbore #1

Plan: Permitting Plan

Standard Planning Report

03 January, 2023

OXY Planning Report

Company: Project: Site: Well: Wellbore: Design:	PRD N Oxbow Oxbow Wellbo	EERING DES M DIRECTIO CC 17-08 Fe CC 17_8 Fed	NAL PLANS (,	TVD Refer MD Refer North Ref	ence:	 	Well Oxbow CC RKB=26.5' @ 29 RKB=26.5' @ 29 Grid Minimum Curvat	963.10ft 963.10ft	Com 15H
Project	PRD NM	I DIRECTION	IAL PLANS (N	NAD 1983)						
Map System: Geo Datum: Map Zone:	North Am	Plane 1983 erican Datum ico Eastern Z			System Da	tum:		ean Sea Level ing geodetic sca	ale factor	
Site	Oxbow (CC 17-08 Fee	leral Com							
Site Position: From: Position Uncerta	Map inty:	49.91 fi	North Eastir Slot F	•	643,7		Latitude: Longitude:			32.21193 -104.00207
Well	Oxbow C	C 17_8 Fede	eral Com 15H							
Well Position Position Uncerta Grid Convergenc	•	0.0	0 ft Ea 0 ft Wo	orthing: sting: ellhead Eleva	ation:	440,659.03 641,457.47	usf Lon	tude: gitude: und Level:		32.21103 -104.00961 2,936.60 ft
Wellbore	Wellbor	e #1								
Magnetics	Mod	el Name	Sample	e Date	Declinat (°)	lion	Dip A (°		Field Str (nT	•
	ŀ	HDGM_FILE	1	2/18/2019		6.92		59.90	47,849	0.0000000
Design	Permittir	ng Plan								
Audit Notes:										
			Phas	e: f	PROTOTYPE	Tie	On Depth:	(0.00	
Audit Notes: Version: Vertical Section:		De	epth From (T (ft)		+N/-S (ft)	+E/ (fi	- VV :)	Dire (ction °)	
Version:		De	epth From (T		+N/-S	+E/	- VV :)	Dire (ction	
Version:	el Program n Depth (ft)	Date To Survey	epth From (T (ft)	VD)	+N/-S (ft) 0.00 Tool Name B001Mb_MWI	+E/ (fi 0.0	- VV :)	Dire (ction °)	
Version: Vertical Section: Plan Survey Too Depth From (ft)	el Program n Depth (ft)	Date To Survey	epth From (T' (ft) 0.00 1/3/2023 (Wellbore)	VD)	+N/-S (ft) 0.00	+E/ (fi 0.0	-w ;))0	Dire (ction °)	
Version: Vertical Section: Plan Survey Too Depth From (ft) 1 0.0 Plan Sections Measured	ol Program n Depth (ft) 0 18,610	Date To Survey	epth From (T' (ft) 0.00 1/3/2023 (Wellbore)	VD)	+N/-S (ft) 0.00 Tool Name B001Mb_MWI	+E/ (fi 0.0	-w ;))0	Dire (ction °) 24 TFO	Target
Version: Vertical Section: Plan Survey Too Depth From (ft) 1 0.0 Plan Sections Measured Depth In (ft)	ol Program n Depth (ft) 0 18,610 clination (°)	Date To Survey 0.17 Permitti Azimuth (°)	Vertical Depth From (T' (ft) 0.00 1/3/2023 (Wellbore) ng Plan (Well	<pre>VD) bore #1) +N/-S (ft)</pre>	+N/-S (ft) 0.00 Tool Name B001Mb_MWI OWSG MWD +E/-W (ft)	+E/ (ff 0.0 D+HRGM + HRGM Dogleg Rate (°/100ft)	Remarks Build Rate (°/100ft)	Dire (0.	ction °) 24 TFO (°)	Target
Version: Vertical Section: Plan Survey Too Depth From (ft) 1 0.0 Plan Sections Measured Depth In	ol Program Depth (ft) 0 18,610	Date To Survey 0.17 Permitti Azimuth	vertical Depth From (T' (ft) 0.00 1/3/2023 (Wellbore) ng Plan (Well	<pre>//D) bore #1) +N/-S</pre>	+N/-S (ft) 0.00 Tool Name B001Mb_MWI OWSG MWD +E/-W	+E/ (ff 0.0 D+HRGM + HRGM	Remarks Build Rate	Dire (0.	ction °) 24 TFO	Target
Version: Vertical Section: Plan Survey Too Depth From (ft) 1 0.0 Plan Sections Measured Depth In (ft) In 0.00 3,582.00 4,232.02	Di Program Depth (ft) 0 18,610 clination (°) 0.00 0.00 13.00	Date To Survey 0.17 Permitti Azimuth (°) 0.00 0.00 0.00 173.10	Vertical Depth (ft) 0.00 1/3/2023 (Wellbore) ng Plan (Well Vertical Depth (ft) 0.00 3,582.00 4,226.46	<pre>vD) bore #1) +N/-S (ft) 0.00 0.00 -72.90</pre>	+N/-S (ft) 0.00 Tool Name B001Mb_MWI OWSG MWD OWSG MWD +E/-W (ft) 0.00 0.00 8.82	+E/ (ff 0.0 D+HRGM + HRGM Dogleg Rate (°/100ft) 0.00 0.00 2.00	-W)))0 Remarks Build Rate (°/100ft) 0.00 0.00 2.00	Dire (0. 0. 0.0 (°/100ft) 0.00 0.00 0.00 0.00	Ction °) 24 TFO (°) 0.00 0.00 173.10	Target
Version: Vertical Section: Plan Survey Too Depth From (ft) 1 0.0 Plan Sections Measured Depth In (ft) 0.00 3,582.00	Di Program Depth (ft) 0 18,610 clination (°) 0.00 0.00	Date To Survey 0.17 Permitti Azimuth (°) 0.00 0.00	Pepth From (T' (ft) 0.00 1/3/2023 (Wellbore) ng Plan (Well Vertical Depth (ft) 0.00 3,582.00	<pre>vD) bore #1) +N/-S (ft) 0.00 0.00</pre>	+N/-S (ft) 0.00 Tool Name B001Mb_MWI OWSG MWD +E/-W (ft) 0.00 0.00	+E/ (ff 0.0 D+HRGM + HRGM Dogleg Rate (°/100ft) 0.00 0.00	-W)))0 Remarks Build Rate (°/100ft) 0.00 0.00	Dire (0. 0. 0. 0.0 0.00 0.00	Ction °) 24 TFO (°) 0.00 0.00 173.10 0.00	Target

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Detabases	HOPSPP	Least Co. andinata Defenses	Wall Oxhaw CC 17, 9 Federal Com 1511
Database:		Local Co-ordinate Reference:	Well Oxbow CC 17_8 Federal Com 15H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 2963.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 2963.10ft
Site:	Oxbow CC 17-08 Federal Com	North Reference:	Grid
Well:	Oxbow CC 17_8 Federal Com 15H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00					
	800.00	0.00	0.00	800.00		0.00	0.00	0.00	0.00	0.00
	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
	2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,582.00	0.00	0.00	3,582.00	0.00	0.00	0.00	0.00	0.00	0.00
	3,600.00	0.36	173.10	3,600.00	-0.06	0.01	-0.06	2.00	2.00	0.00
	3,700.00	2.36	173.10	3,699.97	-2.41	0.29	-2.41	2.00	2.00	0.00
	3,800.00	4.36	173.10	3,799.79	-8.23	1.00	-8.23	2.00	2.00	0.00
	3,900.00	6.36	173.10	3,899.35	-17.50	2.12	-17.49	2.00	2.00	0.00
	4,000.00	8.36	173.10	3,998.52	-30.22	3.66	-30.20	2.00	2.00	0.00
	4,100.00	10.36	173.10	4,097.18	-46.37	5.61	-46.34	2.00	2.00	0.00
	4,200.00	12.36	173.10	4,195.22	-65.92	7.97	-65.89	2.00	2.00	0.00
	4,232.02	13.00	173.10	4,226.46	-72.90	8.82	-72.86	2.00	2.00	0.00
	4,300.00	13.00	173.10	4,292.69	-88.08	10.65	-88.03	0.00	0.00	0.00
	4,400.00	13.00	173.10	4,390.13	-110.41	13.36	-110.35	0.00	0.00	0.00
	4,500.00	13.00	173.10	4,487.57	-132.75	16.06	-132.68	0.00	0.00	0.00
	4,600.00	13.00	173.10	4,585.01	-155.08	18.76	-155.00	0.00	0.00	0.00
	4,700.00	13.00	173.10	4,682.44	-177.41	21.46	-177.32	0.00	0.00	0.00
	4,800.00	13.00	173.10	4,779.88	-199.74	24.16	-199.64	0.00	0.00	0.00
	4,900.00	13.00	173.10	4,877.32	-222.08	26.86	-221.96	0.00	0.00	0.00
	5,000.00	13.00	173.10	4,974.75	-244.41	29.56	-244.28	0.00	0.00	0.00
	5,100.00	13.00	173.10	5,072.19	-266.74	32.26	-266.60	0.00	0.00	0.00
L	5,200.00	13.00	173.10	5,169.63	-289.08	34.97	-288.92	0.00	0.00	0.00

Da	atabase:	HOPSPP	Local Co-ordinate Reference:	Well Oxbow CC 17_8 Federal Com 15H
C	ompany:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 2963.10ft
Pr	oject:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 2963.10ft
Si	te:	Oxbow CC 17-08 Federal Com	North Reference:	Grid
w	ell:	Oxbow CC 17_8 Federal Com 15H	Survey Calculation Method:	Minimum Curvature
w	ellbore:	Wellbore #1		
De	esign:	Permitting Plan		

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Turn Rate (°/100ft)	Build Rate (°/100ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)	+E/-W (ft)	+N/-S (ft)	Vertical Depth (ft)	Azimuth (°)	Inclination (°)	Measured Depth (ft)
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7,000.00 13.00 173.10 6,923.49 -691.07 83.59 -690.71 0.00 0.00 0.00 7,081.97 13.00 173.10 7,003.36 -709.38 85.80 -709.01 0.00 0.00 0.00 7,100.00 11.21 172.01 7,020.99 -713.13 86.29 -712.75 10.00 -9.92 -6.04 7,200.00 1.88 125.95 7,120.26 -723.74 88.97 -723.36 10.00 -9.93 -46.06 7,300.00 9.02 9.26 7,219.87 -716.95 91.57 -716.56 10.00 7.14 -116.69 7,400.00 18.95 4.09 7,316.79 -692.96 93.99 -692.56 10.00 9.93 -5.17 7,500.00 28.93 2.42 7,408.07 -652.51 96.18 -652.09 10.00 9.98 -1.67 7,600.00 38.91 1.55 7,490.95 -596.81 98.05 -596.38 10.00 9.99 -0							,			
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7,400.00 18.95 4.09 7,316.79 -692.96 93.99 -692.56 10.00 9.93 -5.17 7,500.00 28.93 2.42 7,408.07 -652.51 96.18 -652.09 10.00 9.98 -1.67 7,600.00 38.91 1.55 7,490.95 -596.81 98.05 -596.38 10.00 9.99 -0.87 7,700.00 48.91 1.00 7,562.90 -527.56 99.56 -527.13 10.00 9.99 -0.66 7,800.00 58.90 0.59 7,621.74 -446.86 100.66 -446.43 10.00 9.99 -0.41 7,900.00 68.90 0.26 7,665.68 -357.18 101.31 -356.74 10.00 10.00 -0.33 8,000.00 78.89 359.97 7,693.38 -261.23 101.50 -260.79 10.00 10.00 -0.29							,			· · · · · · · · · · · · · · · · · · ·
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8,500.00 89.55 359.69 7,707.21 238.06 99.05 238.48 0.00 0.00 0.00										
8,600.00 89.55 359.69 7,708.00 338.06 98.50 338.47 0.00 0.00 0.00							,			
8,700.00 89.55 359.69 7,708.79 438.05 97.96 438.46 0.00 0.00 0.00										
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8,900.00 89.55 359.69 7,710.37 638.04 96.87 638.45 0.00 0.00 0.00							,			
9,000.00 89.55 359.69 7,711.16 738.04 96.32 738.44 0.00 0.00 0.00										
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9,600.00 89.55 359.69 7,715.90 1,338.01 93.05 1,338.39 0.00 0.00 0.00				,			,			
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9,800.00 89.55 359.69 7,717.48 1,538.00 91.96 1,538.38 0.00 0.00 0.00										· · · · · · · · · · · · · · · · · · ·
9,900.00 89.55 359.69 7,718.27 1,638.00 91.42 1,638.37 0.00 0.00 0.00										
10,000.00 89.55 359.69 7,719.06 1,737.99 90.87 1,738.36 0.00 0.00 0.00										
10,100.00 89.55 359.69 7,719.85 1,837.99 90.33 1,838.36 0.00 0.00 0.00										
10,200.00 89.55 359.69 7,720.64 1,937.98 89.79 1,938.35 0.00 0.00 0.00										
10,300.00 89.55 359.69 7,721.43 2,037.98 89.24 2,038.34 0.00 0.00 0.00										
10,400.00 89.55 359.69 7,722.22 2,137.97 88.70 2,138.33 0.00 0.00 0.00										
10,500.00 89.55 359.69 7,723.01 2,237.97 88.15 2,238.32 0.00 0.00 0.00	 0.00	0.00	0.00	2,238.32	88.15	2,237.97	7,723.01	359.69	89.55	10,500.00

OXY Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Oxbow CC 17 8 Federal Com 15H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 2963.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 2963.10ft
Site:	Oxbow CC 17-08 Federal Com	North Reference:	Grid
Well:	Oxbow CC 17 8 Federal Com 15H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1	•	
Design:	Permitting Plan		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,600.00	89.55	359.69	7,723.80	2,337.96	87.61	2,338.32	0.00	0.00	0.00
10,700.00	89.55	359.69	7,724.59	2,437.96	87.06	2,438.31	0.00	0.00	0.00
10,800.00	89.55	359.69	7.725.38	2,537.96	86.52	2,538.30	0.00	0.00	0.00
10,900.00	89.55	359.69	7,726.17	2,637.95	85.97	2,638.29	0.00	0.00	0.00
11,000.00	89.55	359.69	7,726.96	2,737.95	85.43	2,738.28	0.00	0.00	0.00
11,100.00	89.55	359.69	7,727.75	2,837.94 2,937.94	84.88	2,838.28	0.00	0.00	0.00 0.00
11,200.00	89.55	359.69	7,728.54		84.34	2,938.27	0.00	0.00	
11,300.00	89.55	359.69	7,729.33	3,037.93	83.79	3,038.26	0.00	0.00	0.00
11,400.00	89.55	359.69	7,730.12	3,137.93	83.25	3,138.25	0.00	0.00	0.00
11,500.00	89.55	359.69	7,730.92	3,237.92	82.70	3,238.25	0.00	0.00	0.00
11,600.00	89.55	359.69	7,731.71	3,337.92	82.16	3,338.24	0.00	0.00	0.00
11,700.00	89.55	359.69	7,732.50	3,437.91	81.61	3,438.23	0.00	0.00	0.00
11,800.00	89.55	359.69	7,733.29	3,537.91	81.07	3,538.22	0.00	0.00	0.00
11,900.00	89.55	359.69	7,734.08	3,637.91	80.52	3,638.21	0.00	0.00	0.00
12,000.00	89.55	359.69	7,734.87	3,737.90	79.98	3,738.21	0.00	0.00	0.00
12,100.00	89.55	359.69	7,735.66	3,837.90	79.44	3,838.20	0.00	0.00	0.00
12,200.00	89.55	359.69	7,736.45	3,937.89	78.89	3,938.19	0.00	0.00	0.00
12,300.00	89.55	359.69	7,737.24	4,037.89	78.35	4,038.18	0.00	0.00	0.00
12,400.00	89.55	359.69	7,738.03	4,137.88	77.80	4,138.18	0.00	0.00	0.00
12,500.00	89.55	359.69	7,738.82	4,237.88	77.26	4,238.17	0.00	0.00	0.00
12,600.00	89.55	359.69	7,739.61	4,337.87	76.71	4,338.16	0.00	0.00	0.00
12,700.00	89.55	359.69	7,740.40	4,437.87	76.17	4,438.15	0.00	0.00	0.00
12,800.00	89.55	359.69	7,741.19	4,537.86	75.62	4,538.14	0.00	0.00	0.00
12,900.00	89.55	359.69	7,741.98	4,637.86	75.08	4,638.14	0.00	0.00	0.00
13,000.00	89.55	359.69	7,742.77	4,737.85	74.53	4,738.13	0.00	0.00	0.00
13,100.00	89.55	359.69	7,743.56	4,837.85	73.99	4,838.12	0.00	0.00	0.00
13,200.00	89.55	359.69	7,744.35	4,937.85	73.44	4,938.11	0.00	0.00	0.00
13,300.00	89.55	359.69	7,745.14	5,037.84	72.90	5,038.10	0.00	0.00	0.00
13,400.00	89.55	359.69	7,745.93	5,137.84	72.35	5,138.10	0.00	0.00	0.00
13,500.00	89.55	359.69	7,746.72	5,237.83	71.81	5,238.09	0.00	0.00	0.00
13,600.00	89.55	359.69	7,747.51	5,337.83	71.26	5,338.08	0.00	0.00	0.00
13,700.00	89.55	359.69	7,748.30	5,437.82	70.72	5,438.07	0.00	0.00	0.00
13,800.00	89.55	359.69	7,749.09	5,537.82	70.18	5,538.07	0.00	0.00	0.00
13,900.00	89.55	359.69	7,749.88	5,637.81	69.63	5,638.06	0.00	0.00	0.00
14,000.00	89.55	359.69	7,750.67	5,737.81	69.09	5,738.05	0.00	0.00	0.00
14,100.00	89.55	359.69	7,751.46	5,837.80	68.54	5,838.04	0.00	0.00	0.00
14,200.00	89.55	359.69	7,752.25	5,937.80	68.00	5,938.03	0.00	0.00	0.00
14,300.00	89.55	359.69	7,753.04	6,037.79	67.45	6,038.03	0.00	0.00	0.00
14,400.00	89.55	359.69	7,753.83	6,137.79	66.91	6,138.02	0.00	0.00	0.00
14,500.00	89.55	359.69	7,754.62	6,237.79	66.36	6,238.01	0.00	0.00	0.00
14,600.00	89.55	359.69	7,755.41	6,337.78	65.82	6,338.00	0.00	0.00	0.00
14,700.00	89.55	359.69	7,756.20	6,437.78	65.27	6,438.00	0.00	0.00	0.00
14,800.00	89.55	359.69	7,756.99	6,537.77	64.73	6,537.99	0.00	0.00	0.00
14,900.00	89.55	359.69	7,757.78	6,637.77	64.18	6,637.98	0.00	0.00	0.00
15,000.00	89.55	359.69	7,758.57	6,737.76	63.64	6,737.97	0.00	0.00	0.00
15,100.00	89.55	359.69	7,759.36	6,837.76	63.09	6,837.96	0.00	0.00	0.00
15,200.00	89.55	359.69	7,760.15	6,937.75	62.55	6,937.96	0.00	0.00	0.00
15,300.00	89.55	359.69	7,760.94	7,037.75	62.00	7,037.95	0.00	0.00	0.00
15,400.00	89.55	359.69	7,761.73	7,137.74	61.46	7,137.94	0.00	0.00	0.00
15,500.00	89.55	359.69	7,762.52	7,237.74	60.92	7,237.93	0.00	0.00	0.00
15,600.00	89.55	359.69	7,763.31	7,337.73	60.37	7,337.92	0.00	0.00	0.00
15,700.00	89.55	359.69	7,764.10	7,437.73	59.83	7,437.92	0.00	0.00	0.00
15,800.00	89.55	359.69	7,764.89	7,537.73	59.28	7,537.91	0.00	0.00	0.00
15,900.00	89.55	359.69	7,765.68	7,637.72	58.74	7,637.90	0.00	0.00	0.00
16,000.00	89.55	359.69	7,766.47	7,737.72	58.19	7,737.89	0.00	0.00	0.00
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Database:	HOPSPP	Local Co-ordinate Reference:	Well Oxbow CC 17_8 Federal Com 15H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 2963.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 2963.10ft
Site:	Oxbow CC 17-08 Federal Com	North Reference:	Grid
Well:	Oxbow CC 17_8 Federal Com 15H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
16,100.00	89.55	359.69	7,767.26	7,837.71	57.65	7,837.89	0.00	0.00	0.00	
16,200.00	89.55	359.69	7,768.05	7,937.71	57.10	7,937.88	0.00	0.00	0.00	
16,300.00	89.55	359.69	7,768.84	8,037.70	56.56	8,037.87	0.00	0.00	0.00	
16,400.00	89.55	359.69	7,769.63	8,137.70	56.01	8,137.86	0.00	0.00	0.00	
16,500.00	89.55	359.69	7,770.43	8,237.69	55.47	8,237.85	0.00	0.00	0.00	
16,600.00	89.55	359.69	7,771.22	8,337.69	54.92	8,337.85	0.00	0.00	0.00	
16,700.00	89.55	359.69	7,772.01	8,437.68	54.38	8,437.84	0.00	0.00	0.00	
16,800.00	89.55	359.69	7,772.80	8,537.68	53.83	8,537.83	0.00	0.00	0.00	
16,900.00	89.55	359.69	7,773.59	8,637.67	53.29	8,637.82	0.00	0.00	0.00	
17,000.00	89.55	359.69	7,774.38	8,737.67	52.74	8,737.82	0.00	0.00	0.00	
17,100.00	89.55	359.69	7,775.17	8,837.67	52.20	8,837.81	0.00	0.00	0.00	
17,200.00	89.55	359.69	7,775.96	8,937.66	51.66	8,937.80	0.00	0.00	0.00	
17,300.00	89.55	359.69	7,776.75	9,037.66	51.11	9,037.79	0.00	0.00	0.00	
17,400.00	89.55	359.69	7,777.54	9,137.65	50.57	9,137.78	0.00	0.00	0.00	
17,500.00	89.55	359.69	7,778.33	9,237.65	50.02	9,237.78	0.00	0.00	0.00	
17,600.00	89.55	359.69	7,779.12	9,337.64	49.48	9,337.77	0.00	0.00	0.00	
17,700.00	89.55	359.69	7,779.91	9,437.64	48.93	9,437.76	0.00	0.00	0.00	
17,800.00	89.55	359.69	7,780.70	9,537.63	48.39	9,537.75	0.00	0.00	0.00	
17,900.00	89.55	359.69	7,781.49	9,637.63	47.84	9,637.75	0.00	0.00	0.00	
18,000.00	89.55	359.69	7,782.28	9,737.62	47.30	9,737.74	0.00	0.00	0.00	
18,100.00	89.55	359.69	7,783.07	9,837.62	46.75	9,837.73	0.00	0.00	0.00	
18,200.00	89.55	359.69	7,783.86	9,937.62	46.21	9,937.72	0.00	0.00	0.00	
18,300.00	89.55	359.69	7,784.65	10,037.61	45.66	10,037.71	0.00	0.00	0.00	
18,400.00	89.55	359.69	7,785.44	10,137.61	45.12	10,137.71	0.00	0.00	0.00	
18,500.00	89.55	359.69	7,786.23	10,237.60	44.57	10,237.70	0.00	0.00	0.00	
18,600.00	89.55	359.69	7,787.02	10,337.60	44.03	10,337.69	0.00	0.00	0.00	
18,610.22	89.55	359.69	7,787.10	10,347.81	43.97	10,347.91	0.00	0.00	0.00	

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Oxbow CC 17_8 - plan hits target cen - Point	0.00 hter	0.00	7,704.10	-155.34	101.19	440,503.70	641,558.65	32.210606	-104.009285
PBHL (Oxbow CC - plan hits target cen - Point	0.00 hter	0.00	7,787.10	10,347.81	43.97	451,006.00	641,501.44	32.239476	-104.009368

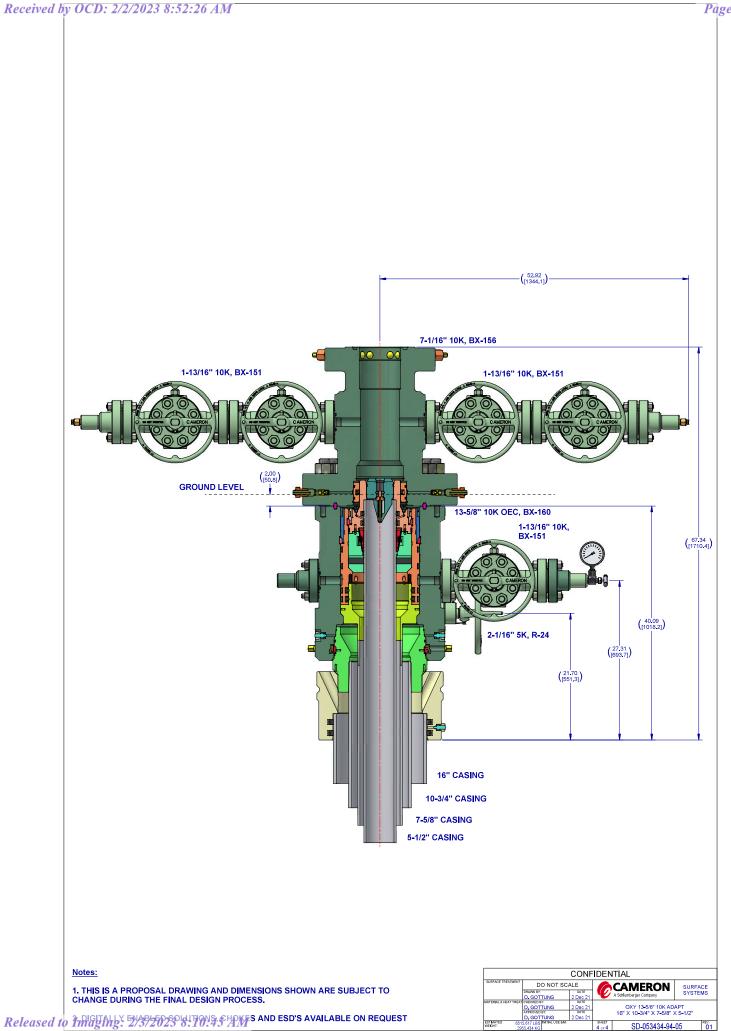
OXY Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Oxbow CC 17_8 Federal Com 15H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 2963.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 2963.10ft
Site:	Oxbow CC 17-08 Federal Com	North Reference:	Grid
Well:	Oxbow CC 17_8 Federal Com 15H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		
Formations			

Measured Vertical Depth Depth (ft) (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
280.10 280.10	RUSTLER				
595.10 595.10	SALADO				
1,237.10 1,237.10	CASTILE				
2,789.10 2,789.10	DELAWARE				
2,841.10 2,841.10	BELL CANYON				
3,721.15 3,721.10	CHERRY CANYON				
4,991.12 4,966.10	BRUSHY CANYON				
6,627.05 6,560.10	BONE SPRING				
7,625.06 7,510.10	BONE SPRING 1ST				

Plan Annotations

Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
3,582.00	3,582.00	0.00	0.00	Build 2°/100'
4,232.02	4,226.46	-72.90	8.82	Hold 13° Tangent
7,081.97	7,003.36	-709.38	85.80	KOP, Build & Turn 10°/100'
8,106.58	7,704.10	-155.34	101.19	Landing Point
18,610.22	7,787.10	10,347.81	43.97	TD at 18610.22' MD



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Tenaris

Tena **125**[®]



TenarisHydril 425 [®]	Wedg	e		Body: N	d: Grey nd: -	Grade: P110-CY 1st Band: White 2nd Band: Grey 3rd Band: - 4th Band: - 5th Band: - 6th Band: -	
Outside Diameter	5.500 in.	Wall Thickness		0.361 in.	Grade		P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	AP	l Standard	Туре		Casing

Coupling

Pino Rody Data

Connection OD Option

E I	he	Douy	Data

Geom

Nominal

Nominal

Nominal

Drift

netry			
I OD	5.500 in.	Wall Thickness	0.361 in.
l Weight	20 lb/ft	Plain End Weight	19.83 lb/ft
	4.653 in.	OD Tolerance	API
l ID	4.778 in.		

REGULAR

Performance

Body Yield Strength	641 x1000 lb
Min. Internal Yield Pressure	12,640 psi
SMYS	110,000 psi
Collapse Pressure	11,100 psi

Pipe Body

Connection Data

Geometry	
Connection OD	5.777 in.
Connection ID	4.734 in.
Make-up Loss	5.823 in.
Threads per inch	3.77
Connection OD Option	Regular

Performance	
Tension Efficiency	90 %
Joint Yield Strength	577 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	90 %
Compression Strength	577 x1000 lb
Max. Allowable Bending	82 °/100 ft
External Pressure Capacity	11,100 psi

Make-Up Torques	
Minimum	15,700 ft-lb
Optimum	19,600 ft-Ib
Maximum	21,600 ft-lb
Operation Limit Torques	
Operating Torque	29,000 ft-Ib
Yield Torque	36,000 ft-lb

Notes

This connection is fully interchangeable with: TORQ® SFW $^{-}$ 5.5 in. - 0.361 in. Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the lastest performance data, always visit our website: www.tenaris.com

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Tenaris

TenarisHydril Wedge 441[®]



Casing

	Coupling	Pipe Body	
	Grade: P110-CY	Grade: P110-CY	
	Body: White	1st Band: White	
	1st Band: Grey	2nd Band: Grey	
[2nd Band: -	3rd Band: -	
	3rd Band: -	4th Band: -	
		5th Band: -	
		6th Band: -	
	0.361 in. Grade		P110-CY

Pipe Body Data

Outside Diameter

Min. Wall Thickness

Connection OD Option

Geometry			
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Devel

5.500 in.

87 50 %

REGULAR

Wall Thickness

Drift

Performance

Type

API Standard

Body Yield Strength	641 x1000 lb
Min. Internal Yield Pressure	12,640 psi
SMYS	110,000 psi
Collapse Pressure	11,100 psi

Connection Data

Geometry	
Connection OD	5.852 in.
Coupling Length	8.714 in.
Connection ID	4.778 in.
Make-up Loss	3.780 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	81.50 %
Joint Yield Strength	522 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	81.50 %
Compression Strength	522 x1000 lb
Max. Allowable Bending	71 °/100 ft
External Pressure Capacity	11,100 psi

Make-Up Torques	
Minimum	15,000 ft-lb
Optimum	16,000 ft-Ib
Maximum	19,200 ft-Ib
Operation Limit Torques	
Operating Torque	32,000 ft-lb
Yield Torque	38,000 ft-Ib
Buck-On	
Buck-on	
Minimum	19,200 ft-lb
	19,200 ft-lb 20,700 ft-lb

Notes

This connection is fully interchangeable with: Wedge 441 \odot - 5.5 in. - 0.304 in. Connections with Dopeless \odot Technology are fully compatible with the same connection in its Standard version

For the lastest performance data, always visit our website: www.tenaris.com

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TenarisHydril

5.500" 20.00 lb/ft P110-CY TenarisHydril Wedge 461™ Matched Strength

	1 A
-12	
-	
-	
100	
-	
	12 - C
100	
10	

Maximum

Special Data Sheet TH DS-20.0359 12 August 2020 Rev 00

23100 ft-lbs

Nominal OD	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-CY
Min Wall Thickness	87.5%	Туре	CASING	Connection OD Option	MATCHED STRENGTH
Pipe Body Data					
Geometry				Performance	
Nominal OD	5.500 in.	Nominal ID	4.778 in.	Body Yield Strength	641 x 1000 lbs
Nominal Weight	20.00 lbs/ft	Wall Thickness	0.361 in.	Internal Yield	12640 psi
Standard Drift Diameter	4.653 in.	Plain End Weight	19.83 lbs/ft	SMYS	110000 psi
Special Drift Diameter	N/A	OD Tolerance	API	Collapse Pressure	11110 psi
Connection Data					
Geometry		Performance		Make-up Torques	
Matched Strength OD	6.050 in.	Tension Efficiency	100%	Minimum	17000 ft-lbs
Make-up Loss	3.775 in.	Joint Yield Strength	641 x 1000 lbs	Optimum	18000 ft-lbs
Threads per in.	3.40	Internal Yield	12640 psi	Maximum	21600 ft-lbs
Connection OD Option	MATCHED STRENGTH	Compression Efficiency	100%	Operational Limit Torques	;
Coupling Length	7.714 in.	Compression Strength	641 x 1000 lbs	Operating Torque	32000 ft-lbs
		Bending	92 °/100 ft	Yield Torque	38000 ft-lbs
		Collapse	11110 psi	Buck-On Torques	
				Minimum	21600 ft-lbs

Notes

*If you need to use torque values that are higher than the maximum indicated, please contact a local Tenaris technical sales representative

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	181921
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition
		Date
kpickford	Adhere to previous NMOCD Conditions of Approval	2/3/2023

CONDITIONS

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Action 181921