

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Reports
07/13/2022

Well Name: SALT FLAT CC 20-29 Well Location: T24S / R29E / SEC 17 / County or Parish/State: EDDY /

FEDERAL COM SESE / 32.2132205 / -104.0012407 NM

Well Number: 14H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM102914 Unit or CA Name: Unit or CA Number:

US Well Number: 3001547600 Well Status: Approved Application for Operator: OXY USA

Permit to Drill INCORPORATED

# **Notice of Intent**

**Sundry ID: 2676894** 

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/14/2022 Time Sundry Submitted: 03:34

Date proposed operation will begin: 09/01/2022

**Procedure Description:** Oxy USA Inc. respectfully requests approval to amend the subject well's APD with the following changes: drilling program and BHL well spacing. The following documents are included: drill plan, directional plan, directional plot, casing data sheets and C-102.

# **NOI Attachments**

## **Procedure Description**

Salt\_Flat\_CC\_20\_29\_Fed.\_Com\_\_14H\_c\_102\_\_Rev.\_C\_\_FLAT\_20220614153358.pdf

SaltFlatCC20\_29FederalCom14H\_13inADAPT\_13.375in\_7.000in\_10x10\_20220614153158.pdf

SaltFlatCC20\_29FederalCom14H\_DirectPlot\_20220614153158.pdf

SaltFlatCC20\_29FederalCom14H\_DrillPlan\_20220614153158.pdf

SaltFlatCC20\_29FederalCom14H\_TNSWedge461\_7.000in\_32.00\_\_P110CY\_20220614153158.pdf

SaltFlatCC20\_29FederalCom14H\_TNSWedge461\_5.500in\_20.00\_\_P110CY\_20220614153158.pdf

 $SaltFlatCC20\_29FederalCom14H\_DirectPlan\_20220614153158.pdf$ 

eived by OCD: 7/13/2022 10:47:46 AM Well Name: SALT FLAT CC 20-29

FEDERAL COM

Well Location: T24S / R29E / SEC 17 /

Zip:

County or Parish/State: Page 2 of

SESE / 32.2132205 / -104.0012407

Well Number: 14H

Type of Well: OIL WELL

**Allottee or Tribe Name:** 

Lease Number: NMNM102914

**Unit or CA Name:** 

**Unit or CA Number:** 

**US Well Number: 3001547600** 

Well Status: Approved Application for Permit to Drill

Operator: OXY USA

**INCORPORATED** 

# **Conditions of Approval**

# **Additional**

SALT FLAT CC 20 29 FEDERAL COM 14H SUNDRY COA 20220712112439.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** Signed on: JUN 14, 2022 03:34 PM

Name: OXY USA INCORPORATED

Title: Regulatory Engineer

Street Address: 5 Greenway Plaza, Suite 110

City: Houston State: TX

Phone: (713) 497-2417

Email address: stephen\_janacek@oxy.com

#### **Field**

**Representative Name:** 

**Street Address:** 

City:

Phone:

**Email address:** 

# **BLM Point of Contact**

Signature: Chris Walls

**BLM POC Name: CHRISTOPHER WALLS BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234 BLM POC Email Address: cwalls@blm.gov

**Disposition:** Approved Disposition Date: 07/13/2022

State:

Page 2 of 2

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

#### ALL PREVIOUS COAs STILL APPLY

OPERATOR'S NAME: Oxy USA Incorporated

WELL NAME & NO.: | SALT FLAT CC 20-29 FEDERAL COM 14H

SURFACE HOLE FOOTAGE: 1070'/S & 1010'/E BOTTOM HOLE FOOTAGE 20'/S & 570'/E

LOCATION: | Section 17, T.24 S., R.29 E., 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	Other
Wellhead	Conventional	• Multibowl	O Both
Other	☐4 String Area	☐ Capitan Reef	□WIPP
Other	☐ Fluid Filled		☐ Pilot Hole
Special Requirements	☐ Water Disposal	<b>☑</b> COM	□ Unit

#### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

#### B. CASING

## **Alternate Casing Design:**

- 1. The 13-3/8 inch surface casing shall be set at approximately 360 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 **8** hours 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 9-5/8 inch intermediate casing shall be set at approximately 2,931 feet. The minimum required fill of cement behind the 9-5/8 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 Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 3. The **7** X **5-1/2** inch production casing shall be set at approximately **18,642** feet. The minimum required fill of cement behind the **7** X **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.

Operator has proposed to pump down 7" X 9-5/8" annulus. <u>Operator must run a</u> <u>CBL from TD of the 7"X 5-1/2" casing to surface. Submit results to BLM.</u>

# 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)

  - ✓ Lea CountyCall 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 2<sup>nd</sup> 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.
- 2. Wait on cement (WOC) for Potash Areas: 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 24 hours. 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. Wait on cement (WOC) for Water Basin: 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 8 hours.

- 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 when specified), 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 plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
  - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. 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 - 07/12/2022

<u>District I</u> 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 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (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

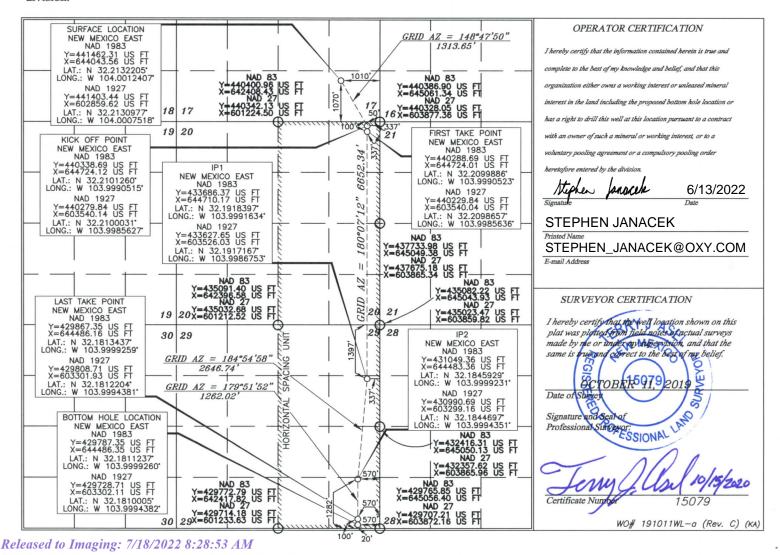
API Numbe	Pool Code	Pool Name	
30-015-47600	50371	PIERCE CROSSING BONE SPRIN	IG
Property Code	Pi	roperty Name	Well Number
321601	SALT FLAT CC "2	O_29" FEDERAL COM	14H
OGRID No.	O	perator Name	Elevation
16696	OXY	USA INC.	2927.3'

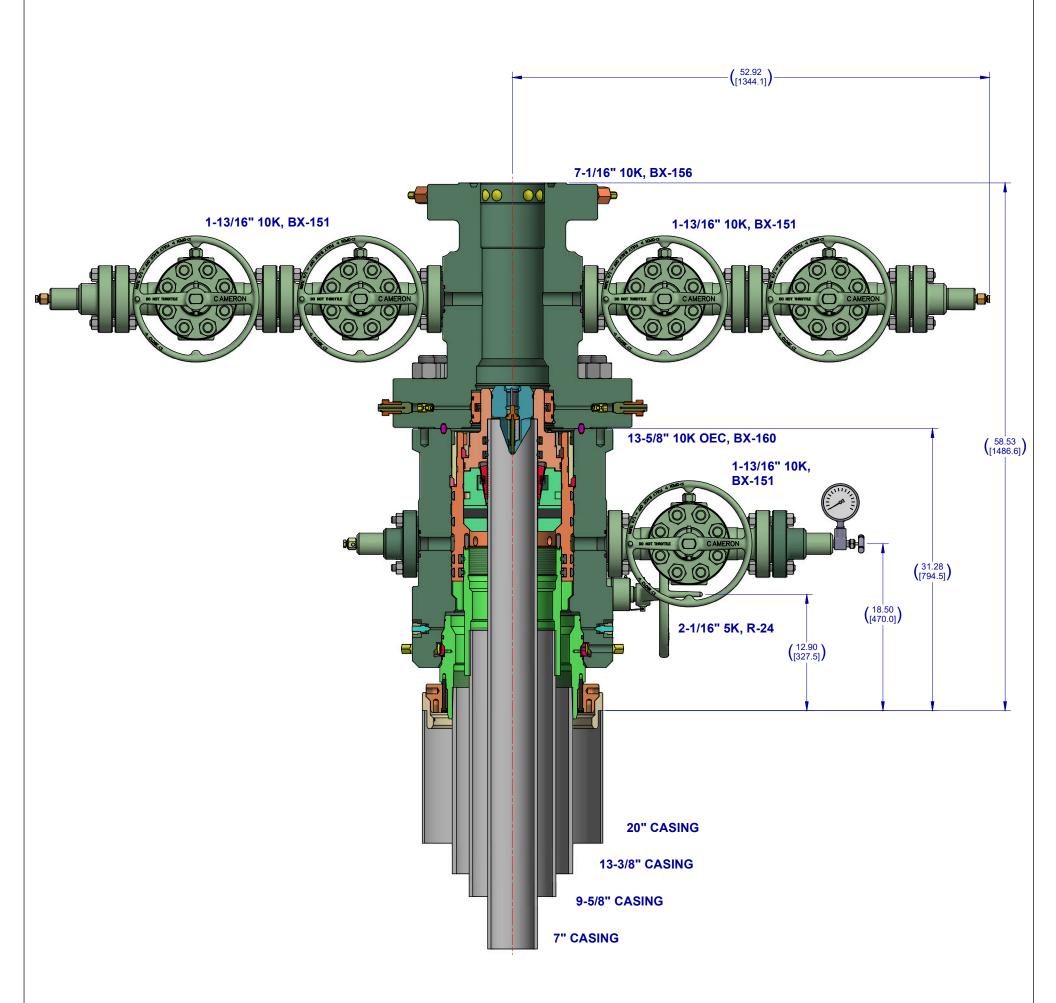
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	24 SOUTH	29 EAST, N.M.P.M.		1070'	SOUTH	1010'	EAST	EDDY
			Rottom Hole I contid	n If I	Different L	From Surface	0		

	Bottom Hole Location if Different Hom Surface										
UL or lot no.	Section	Township	Range		Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
P	29	24 SOUTH	29 EAST, N.	М. Р. М.		20'	SOUTH	570'	EAST	EDDY	
Dedicated	Acres	Joint or Infill	Consolidation Code	Order No.							
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.





# Notes:

1. THIS IS A PROPOSAL DRAWING AND DIMENSIONS SHOWN ARE SUBJECT TO CHANGE DURING THE FINAL DESIGN PROCESS.

2. DIGITALLY ENABLED SOLUTIONS, CHOKES AND ESD'S AVAILABLE ON REQUEST

	CONFIDENTIAL										
SURFACE TREATMENT	DO NOT SC	ALE		CAMERON	SURFACE						
	DRAWN BY:	DATE			SYSTEMS						
	D. GOTTUNG	18 Feb 22		A Schlumberger Company	0.0.20						
MATERIAL & HEAT TREAT	CHECKED BY:	DATE									
	D. GOTTUNG	18 Feb 22		OXY 13-5/8" 10K ADAPT							
	APPROVED BY:	DATE		20" X 13-3/8" X 9-5/8" X	X 7"						
	D. GOTTUNG	18 Feb 22		20 11 10 010 11 010 1							
	5.068 LBS INITIAL USE B/M: 73.748 KG	•	SHEET 1 of 1	SD-053434-94	-12 REV:						

# OXY

PRD NM DIRECTIONAL PLANS (NAD 1983) Salt Flat CC 20-29 Federal Com Salt Flat CC 20\_29 Federal Com 14H

Wellbore #1

**Plan: Permitting Plan** 

# **Standard Planning Report**

21 October, 2020

#### Planning Report

Database: HOPSPP

Company: ENGINE

ENGINEERING DESIGNS

Project: Site: Well: PRD NM DIRECTIONAL PLANS (NAD 1983)

Salt Flat CC 20-29 Federal Com Salt Flat CC 20 29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft

RKB=26.5' @ 2953.80ft

Grid

Minimum Curvature

Project PRD NM DIRECTIONAL PLANS (NAD 1983)

Map System: Geo Datum:

Map Zone:

Site

US State Plane 1983 North American Datum 1983 New Mexico Eastern Zone System Datum:

Mean Sea Level

Using geodetic scale factor

Salt Flat CC 20-29 Federal Com

Site Position:
From: Map
Position Uncertainty: 50.00 ft

Northing: Easting: Slot Radius: 440,814.67 usft 643,787.23 usft 13.200 in

Latitude: Longitude: Grid Convergence: 32° 12' 41.192577 N 104° 0' 7.473464 W

0.18 °

Well Salt Flat CC 20\_29 Federal Com 14H

Well Position +N/-S +E/-W

647.69 ft 256.35 ft Northing: Easting: 441,462.31 usft 644,043.56 usft Latitude: Longitude: 32° 12' 47.593741 N 104° 0' 4.466505 W

Position Uncertainty1.00 ftWellhead Elevation:0.00 ftGround Level:2,927.30 ft

Wellbore #1 Wellbore Declination Dip Angle Field Strength **Model Name** Magnetics Sample Date (°) (°) (nT) 47.762.20000000 HDGM FILE 10/21/2020 6.80 59.88

Design Permitting Plan **Audit Notes:** Version: Phase: **PROTOTYPE** Tie On Depth: 0.00 Depth From (TVD) Direction **Vertical Section:** +N/-S +E/-W (ft) (ft) (ft) (°) 0.00 0.00 0.00 177.83

 Plan Survey Tool Program
 Date
 10/21/2020

 Depth From (ft)
 Depth To (ft)
 Survey (Wellbore)
 Tool Name
 Remarks

 1
 0.00
 18,650.92
 Permitting Plan (Wellbore #1)
 B001Mb\_MWD+HRGM OWSG MWD + HRGM

#### Planning Report

Database: HOPSPP

Company: ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com
Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft RKB=26.5' @ 2953.80ft

Grid

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,590.00	0.00	0.00	3,590.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,390.00	18.00	140.00	5,360.54	-214.82	180.25	1.00	1.00	0.00	140.00	
7,462.46	18.00	140.00	7,331.56	-705.41	591.91	0.00	0.00	0.00	0.00	
8,227.02	90.13	180.12	7,759.80	-1,263.58	680.59	10.00	9.43	5.25	41.52	
14,740.04	90.13	180.12	7,745.40	-7,776.57	666.66	0.00	0.00	0.00	0.00	IP1 (Salt Flat CC
15,380.63	90.13	186.53	7,743.99	-8,415.74	629.52	1.00	0.00	1.00	90.00	
16,722.38	90.13	186.53	7,741.05	-9,748.79	476.97	0.00	0.00	0.00	0.00	
17,388.80	90.13	179.86	7,739.58	-10,413.79	439.84	1.00	0.00	-1.00	-89.99	IP2 (Salt Flat CC
18,650.92	90.13	179.86	7,736.80	-11,675.90	442.83	0.00	0.00	0.00	0.00	PBHL (Salt Flat CC

# Planning Report

Database: Company:

Project:

HOPSPP

**ENGINEERING DESIGNS** 

PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com
Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft RKB=26.5' @ 2953.80ft

Grid

esign:	Permitting Pla	all							
lanned Survey									
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
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
800.00	0.00	0.00	800.00	0.00	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
900.00		0.00	900.00			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
0.500.00	0.00	0.00	0.500.00	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
3,590.00	0.00	0.00	3,590.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.10	140.00	3,600.00	-0.01	0.01	0.00	1.00	1.00	0.00
3,700.00	1.10	140.00	3,699.99	-0.81	0.68	0.83	1.00	1.00	0.00
,									
3,800.00	2.10	140.00	3,799.95	-2.95	2.47	3.04	1.00	1.00	0.00
3,900.00	3.10	140.00	3,899.85	-6.42	5.39	6.62	1.00	1.00	0.00
4,000.00	4.10	140.00	3,999.65	-11.23	9.43	11.58	1.00	1.00	0.00
4,100.00	5.10	140.00	4,099.33	-17.38	14.58	17.92	1.00	1.00	0.00
4,200.00	6.10	140.00	4,198.85	-24.85	20.85	25.62	1.00	1.00	0.00
4,300.00	7.10	140.00	4,198.83	-33.66	28.24	34.70	1.00	1.00	0.00
4,300.00	7.10	140.00			20.24		1.00	1.00	0.00
4,400.00	8.10	140.00	4,397.30	-43.79	36.74	45.15	1.00	1.00	0.00
4,500.00	9.10	140.00	4,496.18	-55.24	46.35	56.96	1.00	1.00	0.00
4,600.00	10.10	140.00	4,594.78	-68.02	57.07	70.13	1.00	1.00	0.00
4,700.00	11.10	140.00	4,693.07	-82.11	68.90	84.66	1.00	1.00	0.00
4,800.00	12.10	140.00	4,791.03	-97.51	81.82	100.54	1.00	1.00	0.00
4,900.00	13.10	140.00	4,888.62	-114.22	95.84	117.77	1.00	1.00	0.00
5,000.00	14.10	140.00	4,985.81	-132.24	110.96	136.35	1.00	1.00	0.00
5,100.00	15.10	140.00	5,082.58	-151.54	127.16	156.25	1.00	1.00	0.00
5,200.00	16.10	140.00	5,178.90	-172.14	144.45	177.50	1.00	1.00	0.00

# Planning Report

Database: Company: HOPSPP

**ENGINEERING DESIGNS** 

PRD NM DIRECTIONAL PLANS (NAD 1983)

Project: Site: Salt Flat CC 20-29 Federal Com Well: Salt Flat CC 20 29 Federal Com 14H

Wellbore: Wellbore #1 Design: Permitting Plan Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft RKB=26.5' @ 2953.80ft

Design.	remining Fig	al i							
Planned Survey									
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)
5,300.00	17.10	140.00	5,274.73	-194.03	162.81	200.06	1.00	1.00	0.00
5,390.00	18.00	140.00	5,360.54	-214.82	180.25	221.50	1.00	1.00	0.00
5,400.00	18.00	140.00	5,370.05	-217.19	182.24	223.94	0.00	0.00	0.00
5,500.00	18.00	140.00	5,465.15	-240.86	202.10	248.34	0.00	0.00	0.00
5,600.00	18.00	140.00	5,560.26	-264.53	221.97	272.75	0.00	0.00	0.00
5,700.00	18.00	140.00	5,655.36	-288.20	241.83	297.16	0.00	0.00	0.00
5,800.00	18.00	140.00	5,750.47	-311.87	261.69	321.57	0.00	0.00	0.00
5,900.00	18.00	140.00	5,845.58	-335.55	281.56	345.98	0.00	0.00	0.00
6,000.00	18.00	140.00	5,940.68	-359.22	301.42	370.38	0.00	0.00	0.00
6,100.00	18.00	140.00	6,035.79	-382.89	321.28	394.79	0.00	0.00	0.00
6,200.00	18.00	140.00	6,130.89	-406.56	341.15	419.20	0.00	0.00	0.00
6,300.00	18.00	140.00	6,226.00	-430.23	361.01	443.61	0.00	0.00	0.00
6,400.00	18.00	140.00	6,321.10	-453.91	380.87	468.02	0.00	0.00	0.00
6,500.00	18.00	140.00	6,416.21	-477.58	400.74	492.42	0.00	0.00	0.00
6,600.00	18.00	140.00	6,511.32	-501.25	420.60	516.83	0.00	0.00	0.00
6,700.00	18.00	140.00	6,606.42	-524.92	440.46	541.24	0.00	0.00	0.00
6,800.00	18.00	140.00	6,701.53	-548.59	460.33	565.65	0.00	0.00	0.00
6,900.00	18.00	140.00	6,796.63	-572.27	480.19	590.05	0.00	0.00	0.00
7,000.00	18.00	140.00	6,891.74	-595.94	500.05	614.46	0.00	0.00	0.00
7,100.00	18.00	140.00	6,986.84	-619.61	519.92	638.87	0.00	0.00	0.00
7,200.00	18.00	140.00	7,081.95	-643.28	539.78	663.28	0.00	0.00	0.00
7,300.00	18.00	140.00	7,177.06	-666.96	559.64	687.69	0.00	0.00	0.00
7,400.00	18.00	140.00	7,272.16	-690.63	579.50	712.09	0.00	0.00	0.00
7,462.46	18.00	140.00	7,331.56	-705.41	591.91	727.34	0.00	0.00	0.00
7,500.00	20.95	146.97	7,366.96	-715.49	599.30	737.69	10.00	7.87	18.57
7,600.00	29.68	158.56	7,457.32	-753.62	618.15	776.51	10.00	8.73	11.59
7,700.00	38.99	165.11	7,539.83	-807.21	635.33	830.70	10.00	9.30	6.56
7,800.00	48.53	169.44	7,611.99	-874.61	650.31	898.63	10.00	9.55	4.33
7,900.00	58.20	172.64	7,671.60	-953.79	662.65	978.22	10.00	9.67	3.20
8,000.00	67.93	175.23	7,716.84	-1,042.34	671.97	1,067.05	10.00	9.73	2.59
8,100.00	77.70	177.48	7,746.36	-1,137.56	677.99	1,162.44	10.00	9.77	2.25
8,200.00	87.48	179.57	7,759.24	-1,236.56	680.52	1,261.47	10.00	9.78	2.09
8,227.02	90.13	180.12	7,759.80	-1,263.58	680.59	1,288.46	10.00	9.79	2.05
8,300.00	90.13	180.12	7,759.64	-1,336.56	680.44	1,361.38	0.00	0.00	0.00
8,400.00 8,500.00	90.13 90.13	180.12	7,759.42 7,759.20	-1,436.56 -1,536.55	680.22	1,461.30	0.00 0.00	0.00 0.00	0.00 0.00
		180.12	,		680.01	1,561.22			
8,600.00	90.13	180.12	7,758.98	-1,636.55	679.80	1,661.14	0.00	0.00	0.00
8,700.00	90.13	180.12	7,758.76	-1,736.55	679.58	1,761.06	0.00	0.00	0.00
8,800.00	90.13	180.12	7,758.54	-1,836.55 1,036.55	679.37 679.15	1,860.98	0.00	0.00	0.00
8,900.00 9,000.00	90.13 90.13	180.12 180.12	7,758.31 7,758.09	-1,936.55 -2,036.55	679.15 678.94	1,960.90 2,060.82	0.00 0.00	0.00 0.00	0.00 0.00
9,100.00	90.13	180.12	7,757.87	-2,136.55	678.73	2,160.74	0.00	0.00	0.00
9,200.00	90.13	180.12	7,757.65	-2,236.55	678.51	2,260.66	0.00	0.00	0.00
9,300.00 9,400.00	90.13 90.13	180.12 180.12	7,757.43 7,757.21	-2,336.55 -2,436.55	678.30 678.09	2,360.58 2,460.50	0.00 0.00	0.00 0.00	0.00 0.00
9,500.00	90.13	180.12	7,756.99	-2,436.55 -2,536.55	677.87	2,460.50	0.00	0.00	0.00
				-2,636.55					
9,600.00 9,700.00	90.13 90.13	180.12 180.12	7,756.77 7,756.55	-2,636.55 -2,736.55	677.66 677.44	2,660.34 2,760.26	0.00 0.00	0.00 0.00	0.00 0.00
9,800.00	90.13	180.12	7,756.32	-2,736.55 -2,836.55	677.23	2,760.26	0.00	0.00	0.00
9,900.00	90.13	180.12	7,756.10	-2,936.55	677.02	2,960.10	0.00	0.00	0.00
10,000.00	90.13	180.12	7,755.88	-3,036.55	676.80	3,060.02	0.00	0.00	0.00
10,100.00	90.13	180.12	7,755.66	-3,136.55	676.59	3,159.94	0.00	0.00	0.00
10,100.00	90.13	180.12	7,755.66 7,755.44	-3,136.55 -3,236.55	676.59 676.37	3,159.94 3,259.86	0.00	0.00	0.00
10,300.00	90.13	180.12	7,755.44	-3,336.55	676.16	3,359.78	0.00	0.00	0.00
10,000.00	00.10	100.12	.,.00.22	0,000.00	57 0.10	0,000.70	0.00	0.00	0.00

#### Planning Report

Database: Company: Project: HOPSPP

**ENGINEERING DESIGNS** 

PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com
Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

**Survey Calculation Method:** 

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft RKB=26.5' @ 2953.80ft

Grid

Design:	Permitting Pla	an							
Planned Survey									
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)
10,400.00	90.13	180.12	7,755.00	-3,436.55	675.95	3,459.69	0.00	0.00	0.00
10,500.00	90.13	180.12	7,754.78	-3,536.55	675.73	3,559.61	0.00	0.00	0.00
10,600.00 10,700.00 10,800.00 10,900.00 11,000.00	90.13 90.13 90.13 90.13	180.12 180.12 180.12 180.12 180.12	7,754.56 7,754.33 7,754.11 7,753.89 7,753.67	-3,636.54 -3,736.54 -3,836.54 -3,936.54 -4,036.54	675.52 675.30 675.09 674.88 674.66	3,659.53 3,759.45 3,859.37 3,959.29 4,059.21	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
11,100.00	90.13	180.12	7,753.45	-4,136.54	674.45	4,159.13	0.00	0.00	0.00
11,200.00	90.13	180.12	7,753.23	-4,236.54	674.24	4,259.05	0.00	0.00	0.00
11,300.00	90.13	180.12	7,753.01	-4,336.54	674.02	4,358.97	0.00	0.00	0.00
11,400.00	90.13	180.12	7,752.79	-4,436.54	673.81	4,458.89	0.00	0.00	0.00
11,500.00	90.13	180.12	7,752.57	-4,536.54	673.59	4,558.81	0.00	0.00	0.00
11,600.00	90.13	180.12	7,752.34	-4,636.54	673.38	4,658.73	0.00	0.00	0.00
11,700.00	90.13	180.12	7,752.12	-4,736.54	673.17	4,758.65	0.00	0.00	0.00
11,800.00	90.13	180.12	7,751.90	-4,836.54	672.95	4,858.57	0.00	0.00	0.00
11,900.00	90.13	180.12	7,751.68	-4,936.54	672.74	4,958.49	0.00	0.00	0.00
12,000.00	90.13	180.12	7,751.46	-5,036.54	672.52	5,058.41	0.00	0.00	0.00
12,100.00	90.13	180.12	7,751.24	-5,136.54	672.31	5,158.33	0.00	0.00	0.00
12,200.00	90.13	180.12	7,751.02	-5,236.54	672.10	5,258.25	0.00	0.00	0.00
12,300.00	90.13	180.12	7,750.80	-5,336.54	671.88	5,358.17	0.00	0.00	0.00
12,400.00	90.13	180.12	7,750.57	-5,436.54	671.67	5,458.09	0.00	0.00	0.00
12,500.00	90.13	180.12	7,750.35	-5,536.54	671.46	5,558.01	0.00	0.00	0.00
12,600.00	90.13	180.12	7,750.13	-5,636.54	671.24	5,657.93	0.00	0.00	0.00
12,700.00	90.13	180.12	7,749.91	-5,736.53	671.03	5,757.84	0.00	0.00	0.00
12,800.00	90.13	180.12	7,749.69	-5,836.53	670.81	5,857.76	0.00	0.00	0.00
12,900.00	90.13	180.12	7,749.47	-5,936.53	670.60	5,957.68	0.00	0.00	0.00
13,000.00	90.13	180.12	7,749.25	-6,036.53	670.39	6,057.60	0.00	0.00	0.00
13,100.00	90.13	180.12	7,749.03	-6,136.53	670.17	6,157.52	0.00	0.00	0.00
13,200.00	90.13	180.12	7,748.81	-6,236.53	669.96	6,257.44	0.00	0.00	0.00
13,300.00	90.13	180.12	7,748.58	-6,336.53	669.74	6,357.36	0.00	0.00	0.00
13,400.00	90.13	180.12	7,748.36	-6,436.53	669.53	6,457.28	0.00	0.00	0.00
13,500.00	90.13	180.12	7,748.14	-6,536.53	669.32	6,557.20	0.00	0.00	0.00
13,600.00	90.13	180.12	7,747.92	-6,636.53	669.10	6,657.12	0.00	0.00	0.00
13,700.00	90.13	180.12	7,747.70	-6,736.53	668.89	6,757.04	0.00	0.00	0.00
13,800.00	90.13	180.12	7,747.48	-6,836.53	668.67	6,856.96	0.00	0.00	0.00
13,900.00	90.13	180.12	7,747.26	-6,936.53	668.46	6,956.88	0.00	0.00	0.00
14,000.00	90.13	180.12	7,747.04	-7,036.53	668.25	7,056.80	0.00	0.00	0.00
14,100.00	90.13	180.12	7,746.82	-7,136.53	668.03	7,156.72	0.00	0.00	0.00
14,200.00	90.13	180.12	7,746.59	-7,236.53	667.82	7,256.64	0.00	0.00	0.00
14,300.00	90.13	180.12	7,746.37	-7,336.53	667.61	7,356.56	0.00	0.00	0.00
14,400.00	90.13	180.12	7,746.15	-7,436.53	667.39	7,456.48	0.00	0.00	0.00
14,500.00	90.13	180.12	7,745.93	-7,536.53	667.18	7,556.40	0.00	0.00	0.00
14,600.00	90.13	180.12	7,745.71	-7,636.53	666.96	7,656.32	0.00	0.00	0.00
14,700.00	90.13	180.12	7,745.49	-7,736.53	666.75	7,756.24	0.00	0.00	0.00
14,740.04	90.13	180.12	7,745.40	-7,776.57	666.66	7,796.25	0.00	0.00	0.00
14,800.00	90.13	180.72	7,745.27	-7,836.52	666.22	7,856.14	1.00	0.00	1.00
14,900.00	90.13	181.72	7,745.05	-7,936.50	664.09	7,955.97	1.00	0.00	1.00
15,000.00	90.13	182.72	7,744.83	-8,036.42	660.21	8,055.67	1.00	0.00	1.00
15,100.00	90.13	183.72	7,744.61	-8,136.26	654.59	8,155.23	1.00	0.00	1.00
15,200.00	90.13	184.72	7,744.38	-8,235.99	647.23	8,254.60	1.00	0.00	1.00
15,300.00	90.13	185.72	7,744.17	-8,335.57	638.13	8,353.77	1.00	0.00	1.00
15,380.63	90.13	186.53	7,743.99	-8,415.74	629.52	8,433.55	1.00	0.00	1.00
15,400.00	90.13	186.53	7,743.95	-8,434.99	627.32	8,452.70	0.00	0.00	0.00
15,500.00	90.13	186.53	7,743.73	-8,534.34	615.95	8,551.55	0.00	0.00	0.00

# Planning Report

Database: Company: Project: HOPSPP

**ENGINEERING DESIGNS** 

PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com
Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft RKB=26.5' @ 2953.80ft

Grid

lanned Survey									
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)
15,600.00	90.13	186.53	7,743.51	-8,633.69	604.58	8,650.40	0.00	0.00	0.00
15,700.00	90.13	186.53	7,743.29	-8,733.04	593.21	8,749.25	0.00	0.00	0.00
15,800.00	90.13	186.53	7,743.07	-8,832.39	581.84	8,848.10	0.00	0.00	0.00
15,900.00	90.13	186.53	7,742.85	-8,931.74	570.47	8,946.95	0.00	0.00	0.00
16,000.00	90.13	186.53	7,742.63	-9,031.09	559.10	9,045.80	0.00	0.00	0.00
16,100.00	90.13	186.53	7,742.41	-9,130.45	547.73	9,144.64	0.00	0.00	0.00
16,200.00	90.13	186.53	7,742.19	-9,229.80	536.37	9,243.49	0.00	0.00	0.00
16,300.00	90.13	186.53	7,741.97	-9,329.15	525.00	9,342.34	0.00	0.00	0.00
16,400.00	90.13	186.53	7,741.75	-9,428.50	513.63	9,441.19	0.00	0.00	0.00
16,500.00	90.13	186.53	7,741.53	-9,527.85	502.26	9,540.04	0.00	0.00	0.00
16,600.00	90.13	186.53	7,741.31	-9,627.20	490.89	9,638.89	0.00	0.00	0.00
16,700.00	90.13	186.53	7,741.10	-9,726.55	479.52	9,737.74	0.00	0.00	0.00
16,722.38	90.13	186.53	7,741.05	-9,748.79	476.97	9,759.86	0.00	0.00	0.00
16,800.00	90.13	185.75	7,740.88	-9,825.96	468.67	9,836.67	1.00	0.00	-1.00
16,900.00	90.13	184.75	7,740.66	-9,925.54	459.52	9,935.83	1.00	0.00	-1.00
17,000.00	90.13	183.75	7,740.44	-10,025.26	452.10	10,035.20	1.00	0.00	-1.00
17,100.00	90.13	182.75	7,740.22	-10,125.10	446.43	10,134.75	1.00	0.00	-1.00
17,200.00	90.13	181.75	7,740.00	-10,225.02	442.50	10,234.45	1.00	0.00	-1.00
17,300.00	90.13	180.75	7,739.78	-10,325.00	440.31	10,334.27	1.00	0.00	-1.00
17,388.80	90.13	179.86	7,739.58	-10,413.79	439.84	10,422.98	1.00	0.00	-1.00
17,400.00	90.13	179.86	7,739.56	-10,424.99	439.86	10,434.18	0.00	0.00	0.00
17,500.00	90.13	179.86	7,739.34	-10,524.99	440.10	10,534.11	0.00	0.00	0.00
17,600.00	90.13	179.86	7,739.11	-10,624.99	440.34	10,634.05	0.00	0.00	0.00
17,700.00	90.13	179.86	7,738.89	-10,724.99	440.57	10,733.99	0.00	0.00	0.00
17,800.00	90.13	179.86	7,738.67	-10,824.99	440.81	10,833.92	0.00	0.00	0.00
17,900.00	90.13	179.86	7,738.45	-10,924.99	441.05	10,933.86	0.00	0.00	0.00
18,000.00	90.13	179.86	7,738.23	-11,024.99	441.28	11,033.80	0.00	0.00	0.00
18,100.00	90.13	179.86	7,738.01	-11,124.99	441.52	11,133.73	0.00	0.00	0.00
18,200.00	90.13	179.86	7,737.79	-11,224.99	441.76	11,233.67	0.00	0.00	0.00
18,300.00	90.13	179.86	7,737.57	-11,324.99	441.99	11,333.61	0.00	0.00	0.00
18,400.00	90.13	179.86	7,737.35	-11,424.99	442.23	11,433.54	0.00	0.00	0.00
18,500.00	90.13	179.86	7,737.13	-11,524.99	442.47	11,533.48	0.00	0.00	0.00
18,600.00	90.13	179.86	7,736.91	-11,624.99	442.71	11,633.42	0.00	0.00	0.00
18,650.92	90.13	179.86	7,736.80	-11,675.90	442.83	11,684.30	0.00	0.00	0.00

#### Planning Report

Database: HOPSPP

Company: ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com
Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

**Survey Calculation Method:** 

Well Salt Flat CC 20\_29 Federal Com 14H

RKB=26.5' @ 2953.80ft

RKB=26.5' @ 2953.80ft

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
PBHL (Salt Flat CC - plan hits target cent - Point	0.00 ter	0.00	7,736.80	-11,675.90	442.83	429,787.35	644,486.35	32° 10' 52.045481 N	103° 59' 59.733724
IP2 (Salt Flat CC - plan hits target cent - Point	0.00 ter	0.00	7,739.58	-10,413.79	439.84	431,049.36	644,483.36	32° 11' 4.534375 N	103° 59' 59.723002
IP1 (Salt Flat CC - plan hits target cent - Point	0.00 ter	0.00	7,745.40	-7,776.57	666.66	433,686.37	644,710.17	32° 11' 30.623136 N	103° 59' 56.988382
FTP (Salt Flat CC - plan misses target of - Point	0.00 center by 6.	0.01 76ft at 8137	7,759.80 .69ft MD (7	-1,173.71 753.20 TVD, -	680.51 1174.59 N, 6	440,288.69 79.36 E)	644,724.01	32° 12' 35.958822 N	103° 59' 56.588437

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	299.80	299.80	RUSTLER			
	615.80	615.80	SALADO			
	1,280.80	1,280.80	CASTILE			
	2,839.80	2,839.80	DELAWARE			
	2,913.80	2,913.80	BELL CANYON			
	3,762.83	3,762.80	CHERRY CANYON			
	5,034.04	5,018.80	BRUSHY CANYON			
	6,710.91	6,616.80	BONE SPRING			
	7,722.17	7,556.80	BONE SPRING 1ST			

Plan Annotations					
Measur Depti (ft)		Vertical Depth (ft)	Local Coord +N/-S (ft)	linates +E/-W (ft)	Comment
3,590	2.00	3,590.00	0.00	0.00	Build 1°/100'
5,390		5.360.54	-214.82	180.25	Hold 18° Tangent
7.462		7.331.56	-705.41	591.91	KOP. Build & Turn 10°/100
8.227		7.759.80	-1.263.58	680.59	Landing Point
14.740		7.745.40	-7.776.57	666.66	Turn 1°/100'
15,380		7,743.99	-8,415.74	629.52	Hold
16,722	2.38	7,741.05	-9,748.79	476.97	Turn 1°/100'
17,388	3.80	7,739.58	-10,413.79	439.84	Hold
18,650	0.92	7,736.80	-11,675.90	442.83	TD at 18650.92' MD



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Salt Flat CC 20-29 Federal Com Well: Salt Flat CC 20\_29 Federal Com 14H

Wellbore: Wellbore #1
Design: Permitting Plan

#### PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)

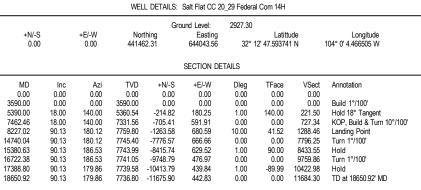
Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone

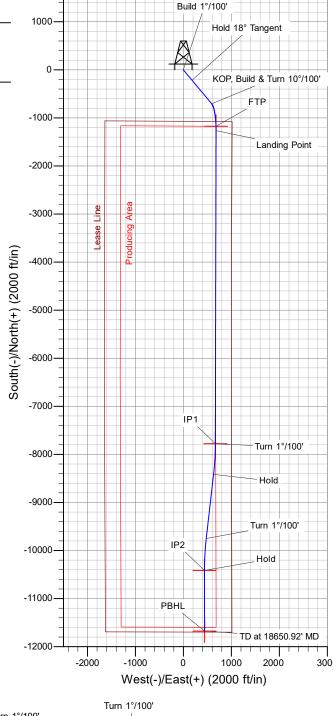
System Datum: Mean Sea Level

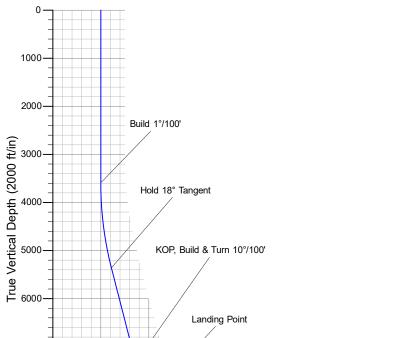


T G M

Azimuths to Grid North True North: -0.18° Magnetic North: 6.62°

> Magnetic Field Strength: 47762.2nT Dip Angle: 59.88° Date: 10/21/2020 Model: HDGM\_FILE





2000

Turn 1°/100'
Hold
TD at 18650.92' MD

IP1
IP2
PBHL
IP2
PBHL
IP2
PBHL
IP2
PBHL
IP2
PBHL
IP3
Vertical Section at 177.83° (2000 ft/in)

7000

8000

# Oxy USA Inc. - Salt Flat CC 20\_29 Federal Com 14H Drill Plan

# 1. Geologic Formations

TVD of Target (ft):	7751	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	18642	Deepest Expected Fresh Water (ft):	300

#### **Delaware Basin**

Formation	MD-RKB (ft)	TVD-RKB (ft)	<b>Expected Fluids</b>
Rustler	300	300	
Salado	607	607	Salt
Castile	1272	1272	Salt
Delaware	2831	2831	Oil/Gas/Brine
Bell Canyon	2905	2905	Oil/Gas/Brine
Cherry Canyon	3763	3763	Oil/Gas/Brine
Brushy Canyon	5034	5019	Losses
Bone Spring	6702	6608	Oil/Gas
Bone Spring 1st	7713	7548	Oil/Gas
Bone Spring 2nd			Oil/Gas
Bone Spring 3rd			Oil/Gas
Wolfcamp			Oil/Gas
Penn			Oil/Gas
Strawn			Oil/Gas

<sup>\*</sup>H2S, water flows, loss of circulation, abnormal pressures, etc.

# 2. Casing Program

		M	ID	T۱	/D				
	Hole	From	То	From	То	Csg.	Csg Wt.		
Section	Size (in)	(ft)	(ft)	(ft)	(ft)	OD (in)	(ppf)	Grade	Conn.
Surface	17.5	0	360	0	360	13.375	54.5	J-55	ВТС
Salt	12.25	0	2931	0	2931	9.625	40	L-80 HC	ВТС
Production	8.75	0	7904	0	7537	7	32	P-110	DQX
Production	8.5	7904	18642	7537	7751	5.5	20	P-110	DQX

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

<sup>\*</sup>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								
1.125 1.2 1.4 1.4								

# **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).	Y
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?	N
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?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back	
500' into previous casing?	
	_
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
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?	N
If yes, are there strings cemented to surface?	

# 3. Cementing Program

Section	Stage	Slurry:	Capacities	ft^3/ft	Excess:	From	То	Sacks	Volume (ft^3)	Placement
Surface	1	Surface - Tail	OH x Csg	0.6946	100%	360	-	376	500	Circulate
Int.	1	Intermediate - Tail	OH x Csg	0.3132	20%	2,931	2,431	141	188	Circulate
Int.	1	Intermediate - Lead	OH x Csg	0.3132	50%	2,431	360	562	973	Circulate
Int.	1	Intermediate - Lead	Csg x Csg	0.3627	0%	360	-	75	131	Circulate
Prod.	1	Production - Tail	OH x Csg2	0.2291	15%	18,642	7,904	2050	2829	Circulate
Prod.	1	Production - Tail	OH x Csg1	0.1503	15%	7,904	5,284	328	453	Circulate
Prod.	2	Production 2S - Tail BH	OH x Csg1	0.1503	50%	5,284	2,931	310	531	Bradenhead
Prod.	2	Production 2S - Tail BH	Csg x Csg1	0.1585	0%	2,931	-	272	465	Bradenhead

Description	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	500psi Time (hh:mm)	Cmt. Class	Accelerator	Retarder	Dispersant	Salt
Surface - Tail	14.8	1.33	6.365	5:26	С	Х			
Intermediate - Lead	12.9	1.73	8.784	15:26	Pozz		х		
Intermediate - Tail	14.8	1.33	6.368	7:11	С	Х			
Production - Tail	13.2	1.38	6.686	3:39	Н	•	Х	х	х
Production 2S - Tail BH	13.3	1.71	8.86	23:10	С	Х			

## **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.

# 4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP		Туре	~	Tested to:	TVD Depth (ft) per Section:
		ЗМ		Annular	<b>\</b>	70% of working pressure	
				Blind Ram	>		
12.25" Hole	13-5/8"	3M		Pipe Ram		250 psi / 3000 psi	2931
		SIVI		Double Ram	>	230 psi / 3000 psi	
			Other*				
		3M		Annular	<b>\</b>	70% of working pressure	
	13-5/8"			Blind Ram	>		
8.75" Hole		214		Pipe Ram		250 poi / 2000 poi	7751
		3M		Double Ram		250 psi / 3000 psi	
			Other*				

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.

<sup>\*</sup>Specify if additional ram is utilized

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.

Y 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

# 5. Mud Program

Section	Section Dept		Depth -	TVD	Tyma	Weight	Viscosity	Water
Section	From (ft)	To (ft)	From (ft)	To (ft)	Туре	(ppg)	Viscosity	Loss
Surface	0	360	0	360	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	360	2931	360	2931	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	2931	18642	2931	7751	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	DVT/MD Tates Wiscol Manitoring
loss or gain of fluid?	PVT/MD Totco/Visual Monitoring

6. Logging and Testing Procedures

	<u>. 00                                  </u>						
Logg	Logging, 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						

Add	itional logs planned	Interval
No	Resistivity	
No	Density	
No	CBL	
Yes	Mud log	Bone Spring – TD
No	PEX	

# 7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	3870 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.

DLIVI.	
N	H2S is present
Υ	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	Yes
sections and production sections. The wellhead will be secured with a night cap whenever	res
the rig is not over the well.	
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,	Yes
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.	

**Total Estimated Cuttings Volume:** 1651 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	<b>Mobile Phone</b>
Garrett Granier	Drilling Engineer	713-513-6633	832-265-0581
Filip Krneta	Drilling Engineer Supervisor	713-350-4751	832-244-4980
Simon Benavides	Drilling Superintendent	713-522-8652	281-684-6897
Diego Tellez	Drilling Manager	713-350-4602	713-303-4932



# TenarisHydril Wedge 461®



С	Coupling	Pipe Body
G	Grade: P110-CY	Grade: P110-CY
В	lody: White	1st Band: White
1	st Band: Grey	2nd Band: Grey
2	nd Band: -	3rd Band: -
3	rd 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 %	Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

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.		

Performance	
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	6.300 in.
Coupling Length	7.714 in.
Connection ID	4.778 in.
Make-up Loss	3.775 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	100 %
Joint Yield Strength	641 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	100 %
Compression Strength	641 x1000 lb
Max. Allowable Bending	92 °/100 ft
External Pressure Capacity	11,100 psi
Coupling Face Load	290,000 lb

Make-Up Torques	
Minimum	17,000 ft-lb
Optimum	18,000 ft-lb
Maximum	21,600 ft-lb
Operation Limit Torques	
Operating Torque	39,000 ft-lb
Yield Torque	46,000 ft-lb
Yield Torque  Buck-On	46,000 ft-lb
	46,000 ft-lb 21,600 ft-lb
Buck-On	,

## Notes

This connection is fully interchangeable with:
Wedge 461® - 5.5 in. - 0.304 / 0.415 / 0.476 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

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

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# TenarisHydril Wedge 461®



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: -

Outside Diameter	7.000 in.	Wall Thickness	0.453 in.	Grade	P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	7.000 in.	Wall Thickness	0.453 in.
Nominal Weight	32 lb/ft	Plain End Weight	31.70 lb/ft
Drift	5.969 in.	OD Tolerance	API
Nominal ID	6.094 in.		

Performance	
Body Yield Strength	1025 x1000 lb
Min. Internal Yield Pressure	12,460 psi
SMYS	110,000 psi
Collapse Pressure	10,780 psi

#### **Connection Data**

Geometry	
Connection OD	7.750 in.
Coupling Length	8.914 in.
Connection ID	6.094 in.
Make-up Loss	4.375 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	100 %
Joint Yield Strength	1025 x1000 lb
Internal Pressure Capacity	12,460 psi
Compression Efficiency	100 %
Compression Strength	1025 x1000 lb
Max. Allowable Bending	72 °/100 ft
External Pressure Capacity	10,780 psi
Coupling Face Load	269,000 lb

Make-Up Torques	
Minimum	20,000 ft-lb
Optimum	21,000 ft-lb
Maximum	25,200 ft-lb
Operation Limit Torques	
Operating Torque	61,000 ft-lb
Yield Torque	72,000 ft-lb
	72,000 ft-lb
Yield Torque	72,000 ft-lb 25,200 ft-lb
Yield Torque  Buck-On	

## Notes

This connection is fully interchangeable with:
Wedge 461®-7 in. - 0.317 / 0.362 / 0.408 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version
In October 2019, Tenaris Hydril Wedge XP® 2.0 was renamed Tenaris Hydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable. interchangeable

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

COMMENTS

Action 124996

#### **COMMENTS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	124996
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

#### COMMENTS

Created		Comment Date
kpickf	rd Defining well 30-015-45049 SALT FLAT CC 20 29 FEDERAL COM #035H	7/18/2022

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#### CONDITIONS

Created E	y Condition	Condition Date
kpickfo	Adhere to previous NMOCD Conditions of Approval	7/18/2022