

Well Name: TACO CAT 27-34 FEDERAL COM	Well Location: T22S / R32E / SEC 27 / NENE / 32.368494 / -103.6581612	County or Parish/State: LEA / NM
Well Number: 25H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM081272, NMNM81272	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546934	Well Status: Approved Application for Permit to Drill	Operator: OXY USA INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 08/02/2021	Time Sundry Submitted: 01:10
Date proposed operation will begin: 09/15/2021	

Procedure Description: OXY USA Inc. respectfully requests approval to amend the casing, cement, and mud programs in the APD for the subject well. Also note the downhole wellbore points have moved, but the surface hole remains the same. Attached is the updated drill plan, directional plan/plot, and drill path. In addition, OXY USA Inc. is sending notice of an update to the horizontal spacing unit (HSU) and dedicated acreage. The well recently received approval from the NMOCD for a non-standard horizontal spacing unit in the Taco Cat development area. This sundry is being filed to provide updates to the approved APD. Attached is the updated C-102 Plat.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- TacoCat27_34FdCom25H_DrillPlan8.19.21_20210819084357.pdf
- TacoCat27_34FdCom25H_C102_NSHSU_7.27.21_20210802130411.pdf
- TacoCat27_34FdCom25H_Loc_20210611064611.pdf
- TacoCat27_34FdCom25H_DirectPlot_20210611064609.pdf
- TacoCat27_34FdCom25H_DirectPlan_20210611064608.pdf

Received by OCD: 10/13/2021 1:02:38 AM

Page 2 of 24

Well Name: TACO CAT 27-34 FEDERAL COM	Well Location: T22S / R32E / SEC 27 / NENE / 32.368494 / -103.6581612	County or Parish/State: LEA / NM
Well Number: 25H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM081272, NMNM81272	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546934	Well Status: Approved Application for Permit to Drill	Operator: OXY USA INCORPORATED

Conditions of Approval

Additional Reviews

Taco_Cat_27_34_Federal_Com_25H_DrillingCOA_Sundry_2503010_20210827073744.pdf

272223A_Sundry_2503010_Taco_Cat_27_34_Federal_Com_25H_Lea_NMNM081272_Oxy_13_22_08272021_NMK_20210827073737.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: RONI MATHEW

Signed on: AUG 19, 2021 08:44 AM

Name: OXY USA INCORPORATED

Title: REGULATORY SPECIALIST

Street Address: 5 Greenway Plaza, Suite 110

City: Houston**State:** TX

Phone: (713) 215-7827

Email address: RONI_MATHEW@OXY.COM

Field Representative

Representative Name: JIM WILSON

Street Address: 6001 DEAUVILLE BLVD.

City: MIDLAND**State:** TX**Zip:** 79710

Phone: (575)631-2442

Email address: JIM_WILSON@OXY.COM

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Engineer Complete

Disposition Date: 08/27/2021

Signature: null

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6170
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
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 Number 30-025-46934	Pool Code 51683	Pool Name RED TANK, BONE SPRING
Property Code 321612	Property Name TACO CAT "27_34" FEDERAL COM	Well Number 25H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3653.0'

Surface Location

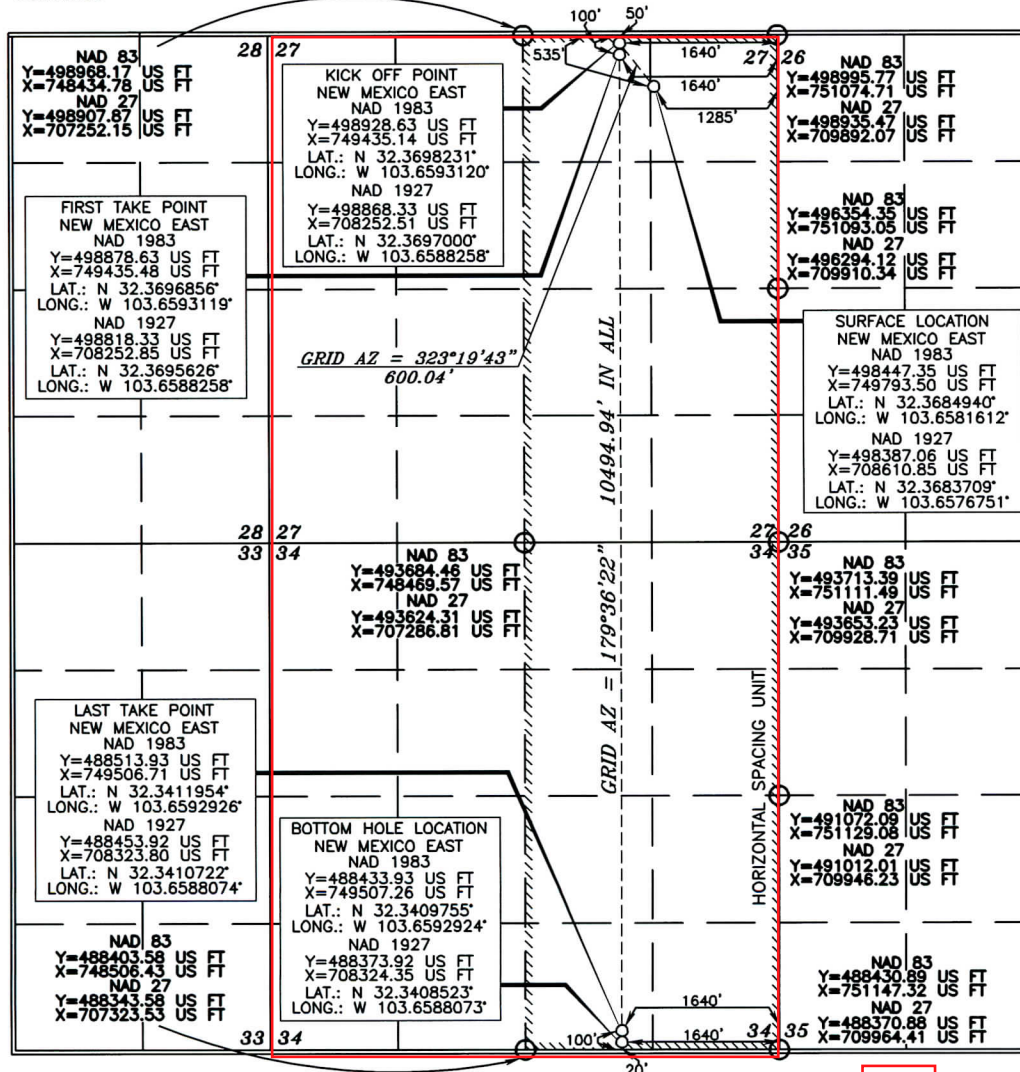
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	27	22 SOUTH	32 EAST, N.M.P.M.		535'	NORTH	1285'	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	34	22 SOUTH	32 EAST, N.M.P.M.		20'	SOUTH	1640'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			R-21777

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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Roni Mathew 7/26/2021
Signature Date

RONI MATHEW

Printed Name
roni_mathew@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
MAY 21, 2019
Date of Survey

Signature and Seal of
Professional Surveyor

15079
Certificate Number

WO# 180621WL-a (Rev. C) (AS)

272223A Sundry_2503010 Taco Cat 27_34 Federal Com 25H Lea NMNM081272 Oxy 13-22 08272021 NMK

Taco Cat 27_34 Federal Com 25H

13 3/8	surface csg in a	17 1/2	inch hole.	Design Factors					Surface		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	J 55	BTC	17.07	2.7	0.83	917	7	1.43	5.20	49,977
"B"			BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500				Tail Cmt	does not	circ to sfc.	Totals:	917			49,977
<u>Comparison of Proposed to Minimum Required Cement Volumes</u>											
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
17 1/2	0.6946	958	1274	637	100	8.80	1905	2M			1.56
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK. Site plat (pipe racks S or E) as per O.O.D. 1.111 D.4.1. not found.											

9 5/8	casing inside the	13 3/8	Design Factors						Int 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00	HCL 80	BTC	3.60	1.28	1.06	6,368	2	1.91	2.22	254,720
"B"							0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	6,368			254,720
The cement volume(s) are intended to achieve a top of				0	ft from surface or a			917			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
12 1/4	0.3132	1677	2845	2040	39	10.00	3018	5M			0.81
Class 'H' tail cmt yld > 1.20											

5 1/2	casing inside the	9 5/8	Design Factors					Prod 1			
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@S	a-B	a-C	Weight
"A"	20.00	P 110	DQX	2.96	2.06	2.33	21,292	2	4.18	3.68	425,840
"B"							0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,382							Totals:	21,292			425,840
The cement volume(s) are intended to achieve a top of					5868	ft from surface or a		500			overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg
8 1/2	0.2291	2669	4149	3549	17	9.60					1.23
Class 'C' tail cmt yld > 1.35											

#N/A											
0	5 1/2	Design Factors					<Choose Casing>				
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	0			0
Cmt vol calc below includes this csg, TOC intended				#N/A	ft from surface or a			#N/A			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Oxy USA Incorporated
LEASE NO.:	NMNM081272
LOCATION:	Section 27, T.22 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Taco Cat 27-34 Federal Com 24H
SURFACE HOLE FOOTAGE:	535'/N & 1315'/E
BOTTOM HOLE FOOTAGE:	20'/S & 2025'/E

WELL NAME & NO.:	Taco Cat 27-34 Federal Com 25H
SURFACE HOLE FOOTAGE:	535'/N & 1285'/E
BOTTOM HOLE FOOTAGE:	20'/S & 1640'/E

COA

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

ALL PREVIOUS COAs STILL APPLY.

A. PRESSURE CONTROL

- Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
-

Option 1:

- Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - 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. 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.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

NMK08262021

Oxy USA Inc. - Taco Cat 27_34 Federal Com 25H

Drill Plan

1. Geologic Formations

TVD of Target (ft):	10828	Pilot Hole Depth (ft):	
Total Measured Depth (ft):	21292	Deepest Expected Fresh Water (ft):	857

Delaware Basin

Formation	MD-RKB (ft)	TVD-RKB (ft)	Expected Fluids
Rustler	857	857	
Salado	1382	1382	Salt
Castile	3357	3357	Salt
Delaware	4719	4719	Oil/Gas/Brine
Bell Canyon	4770	4770	Oil/Gas/Brine
Cherry Canyon	5636	5636	Oil/Gas/Brine
Brushy Canyon	6882	6868	Losses
Bone Spring	8588	8548	Oil/Gas
Bone Spring 1st	9735	9677	Oil/Gas
Bone Spring 2nd	10430	10362	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					
Section	Hole Size (in)	From (ft)	To (ft)	From (ft)	To (ft)	Csg. OD (in)	Csg Wt. (ppf)	Grade	Conn.
Surface	17.5	0	917	0	917	13.375	54.5	J-55	BTC
Salt	12.25	0	6368	0	6360	9.625	40	L-80 HC	BTC
Production	8.5	0	21292	0	10828	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

*Oxy requests the option to run the 7.625” Intermediate II as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary.

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

All Casing SF Values will meet or exceed those below			
SF Collapse	SF Burst	Body SF Tension	Joint SF 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? 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 the collapse pressure rating of the casing?	Y
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 rd 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 nd 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 three strings cemented to surface?	

3. Cementing Program

Section	Stage	Slurry:	Capacities	ft^3/ft	Excess:	From	To	Sacks	Volume (ft^3)	Placement
Surface	1	Surface - Tail	OH x Csg	0.6946	100%	917	-	958	1274	Circulate
Int.	1	Intermediate - Tail	OH x Csg	0.3132	20%	6,368	5,868	141	188	Circulate
Int.	1	Intermediate - Lead	OH x Csg	0.3132	50%	5,868	917	1344	2326	Circulate
Int.	1	Intermediate - Lead	Csg x Csg	0.3627	0%	917	-	192	333	Circulate
Prod.	1	Production - Tail	OH x Csg	0.2291	10%	21,292	10,152	2034	2807	Circulate
Prod.	1	Production - Lead	OH x Csg	0.2291	10%	10,152	6,368	426	954	Circulate
Prod.	1	Production - Lead	Csg x Csg	0.2608	0%	6,368	5,868	58	130	Circulate

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	C	x			
Intermediate - Lead	12.9	1.73	8.784	15:26	Pozz		x		
Intermediate - Tail	14.8	1.33	6.368	7:11	C	x			
Production - Lead	11.9	2.24	12.327	14:46	H		x	x	x
Production - Tail	13.2	1.38	6.686	3:39	H		x	x	x

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 nipped 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 nipping 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	Type		✓	Tested to:	TVD Depth (ft) per Section:
12.25" Hole	13-5/8"	3M	Annular		✓	70% of working pressure	6360
		3M	Blind Ram		✓	250 psi / 3000 psi	
			Pipe Ram				
			Double Ram		✓		
			Other*				
8.5" Hole	13-5/8"	5M	Annular		✓	70% of working pressure	10828
		5M	Blind Ram		✓	250 psi / 5000 psi	
			Pipe Ram				
			Double Ram		✓		
			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

	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. A separate sundry will be sent prior to spud that reflects the pad based break testing plan.

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.
- When skidding to drill a production section that does not penetrate into the third Bone Spring or deeper.

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.

5. Mud Program

Section	Depth		Depth - TVD		Type	Weight (ppg)	Viscosity	Water Loss
	From (ft)	To (ft)	From (ft)	To (ft)				
Surface	0	917	0	917	Water-Based Mud	8.6 - 8.8	40-60	N/C
Intermediate	917	6368	917	6360	Saturated Brine-Based or Oil-Based Mud	8.0 - 10.0	35-45	N/C
Production	6368	21292	6360	10828	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 loss or gain of fluid?	PVT/MD Totco/Visual Monitoring
---	--------------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Yes	Will run GR from TD to surface (horizontal well – vertical portion of hole).
	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

Additional 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	5406 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	167°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

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.	
N	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 3 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: 2115 bbls

- Attachments
- ☒ Directional Plan
 - ☒ H2S Contingency Plan
 - ☒ Flex III Attachments
 - ☒ Spudder Rig Attachment

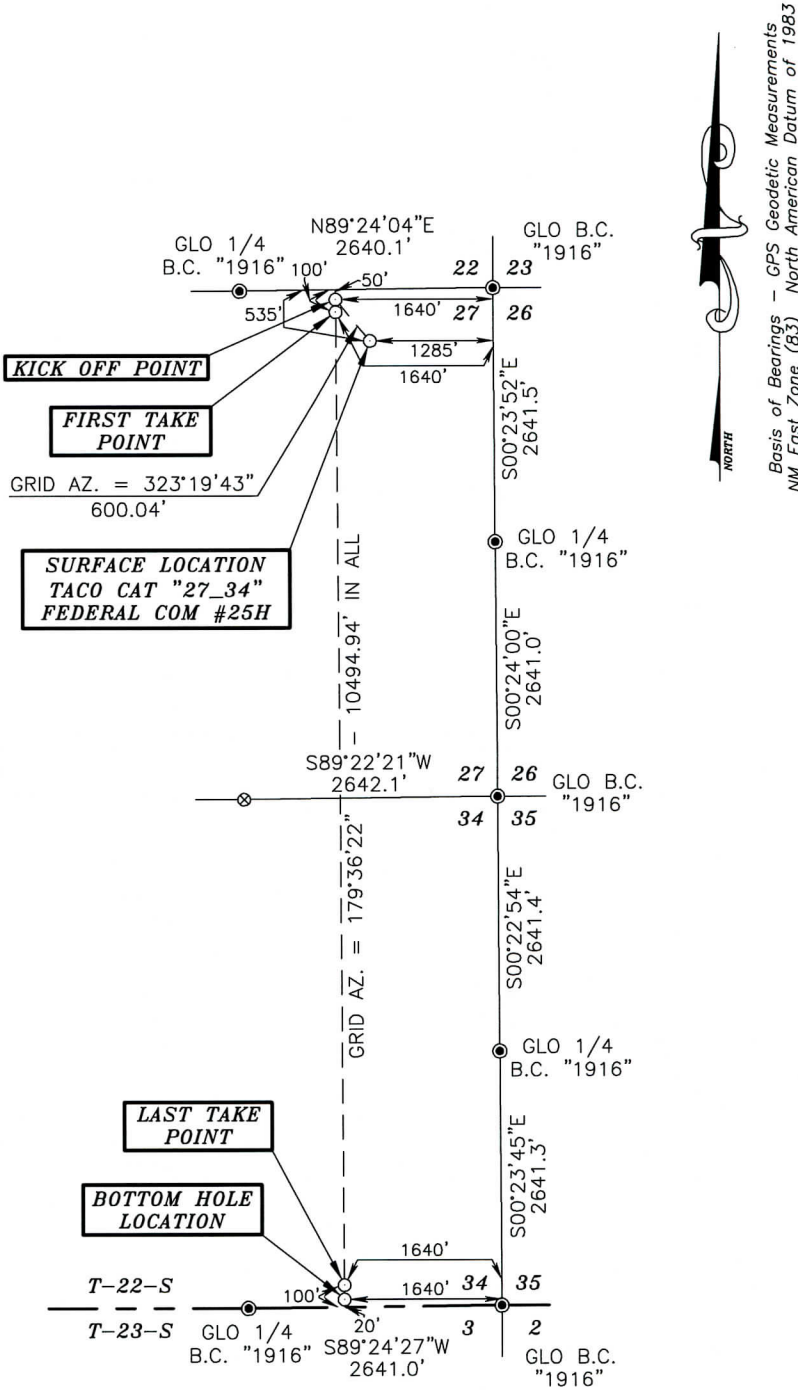
9. Company Personnel

Name	Title	Office Phone	Mobile Phone
Garrett Granier	Drilling Engineer	713-513-6633	832-265-0581
William Turner	Drilling Engineer Supervisor	713-350-4951	661-817-4586
Simon Benavides	Drilling Superintendent	713-522-8652	281-684-6897
Diego Tellez	Drilling Manager	713-350-4602	713-303-4932

SECTIONS 27 & 34, TOWNSHIP 22 SOUTH, RANGE 32 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



DRIVING DIRECTIONS:
BEGINNING AT THE INTERSECTION OF HWY.
#128 AND COUNTY ROAD #798 (RED ROAD),
GO NORTH ON COUNTY ROAD #798 FOR 7.3
MILES, TURN RIGHT AND GO NORTHEAST ON
CALICHE ROAD FOR 2.7 MILES, CONTINUE
EAST/SOUTHEAST FOR 2.5 MILES, TURN RIGHT
AND GO SOUTHEAST FOR 1.5 MILES, TURN
LEFT AND GO EAST FOR 0.3 MILES, TURN
LEFT AND GO NORTH FOR 0.2 MILES, TURN
LEFT AND GO NORTHWEST FOR 0.1 MILES,
TURN RIGHT AND GO NORTH FOR 0.5 MILES,
TURN LEFT ON PROPOSED ROAD AND GO
WEST FOR 101.5 FEET TO LOCATION.



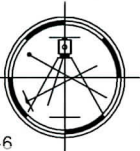
SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 3/11/2021
Terry J. Asel N.M. R.P.L.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

● - DENOTES FOUND MONUMENT AS NOTED

⊗ - DENOTES CALCULATED CORNER

2000' 0 2000' 4000' FEET

SCALE: 1"=2000'

	OXY USA INC.		
	TACO CAT "27_34" FEDERAL COM #25H LOCATED AT 535' FNL & 1285' FEL IN SECTION 27, TOWNSHIP 22 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
	Survey Date: 05/21/19	Sheet 1 of 1 Sheets	
	W.O. Number:180621WL-a (Rev. C)	Drawn By: AS	Rev: C
Date: 03/09/21		180621WL-a	Scale:1"=2000'

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

Taco Cat 27-34 Federal Com

Taco Cat 27_34 Federal Com 25H

Wellbore #1

Plan: Permitting Plan

Standard Planning Report

20 April, 2021

Oxy Inc.

Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

Project	PRD NM DIRECTIONAL PLANS (NAD 1983)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Taco Cat 27-34 Federal Com		
Site Position:		Northing:	498,686.80 usft
From:	Map	Easting:	746,647.78 usft
Position Uncertainty:	50.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 22' 9.142705 N
		Longitude:	103° 40' 6.040188 W
		Grid Convergence:	0.36 °

Well	Taco Cat 27_34 Federal Com 25H					
Well Position	+N-S	-239.46 ft	Northing:	498,447.35 usft	Latitude:	32° 22' 6.578406 N
	+E-W	3,145.86 ft	Easting:	749,793.50 usft	Longitude:	103° 39' 29.380238 W
Position Uncertainty		1.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,653.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	9/18/2019	6.67	60.08	48,008.20000000

Design	Permitting Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	181.64

Plan Survey Tool Program	Date	4/20/2021		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	21,292.39	Permitting Plan (Wellbore #1)	B001Mb_MWD+HRGM
				OWSG MWD + HRGM

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	
5,235.00	0.00	0.00	5,235.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,235.00	10.00	336.00	6,229.93	79.52	-35.40	1.00	1.00	0.00	336.00	
10,151.59	10.00	336.00	10,087.02	700.83	-312.03	0.00	0.00	0.00	0.00	
11,138.75	89.56	179.61	10,749.50	139.26	-354.68	10.00	8.06	-15.84	-156.09	
21,292.39	89.56	179.61	10,827.50	-10,013.85	-286.25	0.00	0.00	0.00	0.00	PBHL (Taco Cat)

Oxy Inc.

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

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)
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
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
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
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,235.00	0.00	0.00	5,235.00	0.00	0.00	0.00	0.00	0.00	0.00

Oxy Inc.

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

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	0.65	336.00	5,300.00	0.34	-0.15	-0.33	1.00	1.00	0.00
5,400.00	1.65	336.00	5,399.98	2.17	-0.97	-2.14	1.00	1.00	0.00
5,500.00	2.65	336.00	5,499.91	5.60	-2.49	-5.52	1.00	1.00	0.00
5,600.00	3.65	336.00	5,599.75	10.62	-4.73	-10.48	1.00	1.00	0.00
5,700.00	4.65	336.00	5,699.49	17.23	-7.67	-17.00	1.00	1.00	0.00
5,800.00	5.65	336.00	5,799.08	25.43	-11.32	-25.09	1.00	1.00	0.00
5,900.00	6.65	336.00	5,898.51	35.22	-15.68	-34.75	1.00	1.00	0.00
6,000.00	7.65	336.00	5,997.73	46.59	-20.74	-45.97	1.00	1.00	0.00
6,100.00	8.65	336.00	6,096.72	59.54	-26.51	-58.76	1.00	1.00	0.00
6,200.00	9.65	336.00	6,195.44	74.06	-32.98	-73.09	1.00	1.00	0.00
6,235.00	10.00	336.00	6,229.93	79.52	-35.40	-78.48	1.00	1.00	0.00
6,300.00	10.00	336.00	6,293.94	89.83	-40.00	-88.65	0.00	0.00	0.00
6,400.00	10.00	336.00	6,392.42	105.69	-47.06	-104.31	0.00	0.00	0.00
6,500.00	10.00	336.00	6,490.90	121.56	-54.12	-119.96	0.00	0.00	0.00
6,600.00	10.00	336.00	6,589.39	137.42	-61.18	-135.62	0.00	0.00	0.00
6,700.00	10.00	336.00	6,687.87	153.29	-68.25	-151.27	0.00	0.00	0.00
6,800.00	10.00	336.00	6,786.35	169.15	-75.31	-166.93	0.00	0.00	0.00
6,900.00	10.00	336.00	6,884.83	185.01	-82.37	-182.58	0.00	0.00	0.00
7,000.00	10.00	336.00	6,983.31	200.88	-89.44	-198.24	0.00	0.00	0.00
7,100.00	10.00	336.00	7,081.79	216.74	-96.50	-213.89	0.00	0.00	0.00
7,200.00	10.00	336.00	7,180.27	232.60	-103.56	-229.55	0.00	0.00	0.00
7,300.00	10.00	336.00	7,278.75	248.47	-110.62	-245.20	0.00	0.00	0.00
7,400.00	10.00	336.00	7,377.23	264.33	-117.69	-260.86	0.00	0.00	0.00
7,500.00	10.00	336.00	7,475.71	280.19	-124.75	-276.51	0.00	0.00	0.00
7,600.00	10.00	336.00	7,574.19	296.06	-131.81	-292.17	0.00	0.00	0.00
7,700.00	10.00	336.00	7,672.67	311.92	-138.88	-307.83	0.00	0.00	0.00
7,800.00	10.00	336.00	7,771.16	327.78	-145.94	-323.48	0.00	0.00	0.00
7,900.00	10.00	336.00	7,869.64	343.65	-153.00	-339.14	0.00	0.00	0.00
8,000.00	10.00	336.00	7,968.12	359.51	-160.06	-354.79	0.00	0.00	0.00
8,100.00	10.00	336.00	8,066.60	375.37	-167.13	-370.45	0.00	0.00	0.00
8,200.00	10.00	336.00	8,165.08	391.24	-174.19	-386.10	0.00	0.00	0.00
8,300.00	10.00	336.00	8,263.56	407.10	-181.25	-401.76	0.00	0.00	0.00
8,400.00	10.00	336.00	8,362.04	422.97	-188.32	-417.41	0.00	0.00	0.00
8,500.00	10.00	336.00	8,460.52	438.83	-195.38	-433.07	0.00	0.00	0.00
8,600.00	10.00	336.00	8,559.00	454.69	-202.44	-448.72	0.00	0.00	0.00
8,700.00	10.00	336.00	8,657.48	470.56	-209.51	-464.38	0.00	0.00	0.00
8,800.00	10.00	336.00	8,755.96	486.42	-216.57	-480.03	0.00	0.00	0.00
8,900.00	10.00	336.00	8,854.44	502.28	-223.63	-495.69	0.00	0.00	0.00
9,000.00	10.00	336.00	8,952.92	518.15	-230.69	-511.34	0.00	0.00	0.00
9,100.00	10.00	336.00	9,051.41	534.01	-237.76	-527.00	0.00	0.00	0.00
9,200.00	10.00	336.00	9,149.89	549.87	-244.82	-542.65	0.00	0.00	0.00
9,300.00	10.00	336.00	9,248.37	565.74	-251.88	-558.31	0.00	0.00	0.00
9,400.00	10.00	336.00	9,346.85	581.60	-258.95	-573.96	0.00	0.00	0.00
9,500.00	10.00	336.00	9,445.33	597.46	-266.01	-589.62	0.00	0.00	0.00
9,600.00	10.00	336.00	9,543.81	613.33	-273.07	-605.28	0.00	0.00	0.00
9,700.00	10.00	336.00	9,642.29	629.19	-280.13	-620.93	0.00	0.00	0.00
9,800.00	10.00	336.00	9,740.77	645.06	-287.20	-636.59	0.00	0.00	0.00
9,900.00	10.00	336.00	9,839.25	660.92	-294.26	-652.24	0.00	0.00	0.00
10,000.00	10.00	336.00	9,937.73	676.78	-301.32	-667.90	0.00	0.00	0.00
10,100.00	10.00	336.00	10,036.21	692.65	-308.39	-683.55	0.00	0.00	0.00
10,151.59	10.00	336.00	10,087.02	700.83	-312.03	-691.63	0.00	0.00	0.00
10,200.00	5.91	316.59	10,134.96	706.48	-315.45	-697.18	10.00	-8.46	-40.10
10,300.00	6.97	214.84	10,234.58	705.24	-322.47	-695.74	10.00	1.06	-101.74
10,400.00	16.18	193.65	10,332.48	686.67	-329.24	-676.99	10.00	9.22	-21.19

Oxy Inc.

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

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)	
10,500.00	25.98	187.91	10,425.68	651.35	-335.56	-641.50	10.00	9.80	-5.75	
10,600.00	35.88	185.18	10,511.36	600.34	-341.23	-590.35	10.00	9.90	-2.73	
10,700.00	45.82	183.51	10,586.91	535.20	-346.09	-525.09	10.00	9.94	-1.67	
10,800.00	55.78	182.33	10,650.03	457.90	-349.98	-447.72	10.00	9.96	-1.18	
10,900.00	65.75	181.40	10,698.81	370.80	-352.79	-360.57	10.00	9.97	-0.93	
11,000.00	75.72	180.61	10,731.77	276.53	-354.42	-266.29	10.00	9.97	-0.79	
11,100.00	85.69	179.89	10,747.89	177.97	-354.84	-167.76	10.00	9.97	-0.72	
11,138.75	89.56	179.61	10,749.50	139.26	-354.68	-129.07	10.00	9.98	-0.71	
11,200.00	89.56	179.61	10,749.97	78.02	-354.26	-67.86	0.00	0.00	0.00	
11,300.00	89.56	179.61	10,750.74	-21.98	-353.59	32.07	0.00	0.00	0.00	
11,400.00	89.56	179.61	10,751.50	-121.97	-352.92	132.01	0.00	0.00	0.00	
11,500.00	89.56	179.61	10,752.27	-221.97	-352.24	231.94	0.00	0.00	0.00	
11,600.00	89.56	179.61	10,753.04	-321.96	-351.57	331.88	0.00	0.00	0.00	
11,700.00	89.56	179.61	10,753.81	-421.96	-350.89	431.81	0.00	0.00	0.00	
11,800.00	89.56	179.61	10,754.58	-521.95	-350.22	531.75	0.00	0.00	0.00	
11,900.00	89.56	179.61	10,755.35	-621.95	-349.55	631.68	0.00	0.00	0.00	
12,000.00	89.56	179.61	10,756.11	-721.94	-348.87	731.62	0.00	0.00	0.00	
12,100.00	89.56	179.61	10,756.88	-821.94	-348.20	831.55	0.00	0.00	0.00	
12,200.00	89.56	179.61	10,757.65	-921.93	-347.52	931.49	0.00	0.00	0.00	
12,300.00	89.56	179.61	10,758.42	-1,021.93	-346.85	1,031.42	0.00	0.00	0.00	
12,400.00	89.56	179.61	10,759.19	-1,121.92	-346.18	1,131.36	0.00	0.00	0.00	
12,500.00	89.56	179.61	10,759.95	-1,221.92	-345.50	1,231.29	0.00	0.00	0.00	
12,600.00	89.56	179.61	10,760.72	-1,321.91	-344.83	1,331.22	0.00	0.00	0.00	
12,700.00	89.56	179.61	10,761.49	-1,421.91	-344.15	1,431.16	0.00	0.00	0.00	
12,800.00	89.56	179.61	10,762.26	-1,521.90	-343.48	1,531.09	0.00	0.00	0.00	
12,900.00	89.56	179.61	10,763.03	-1,621.90	-342.81	1,631.03	0.00	0.00	0.00	
13,000.00	89.56	179.61	10,763.80	-1,721.89	-342.13	1,730.96	0.00	0.00	0.00	
13,100.00	89.56	179.61	10,764.56	-1,821.89	-341.46	1,830.90	0.00	0.00	0.00	
13,200.00	89.56	179.61	10,765.33	-1,921.88	-340.79	1,930.83	0.00	0.00	0.00	
13,300.00	89.56	179.61	10,766.10	-2,021.88	-340.11	2,030.77	0.00	0.00	0.00	
13,400.00	89.56	179.61	10,766.87	-2,121.87	-339.44	2,130.70	0.00	0.00	0.00	
13,500.00	89.56	179.61	10,767.64	-2,221.86	-338.76	2,230.64	0.00	0.00	0.00	
13,600.00	89.56	179.61	10,768.41	-2,321.86	-338.09	2,330.57	0.00	0.00	0.00	
13,700.00	89.56	179.61	10,769.17	-2,421.85	-337.42	2,430.51	0.00	0.00	0.00	
13,800.00	89.56	179.61	10,769.94	-2,521.85	-336.74	2,530.44	0.00	0.00	0.00	
13,900.00	89.56	179.61	10,770.71	-2,621.84	-336.07	2,630.38	0.00	0.00	0.00	
14,000.00	89.56	179.61	10,771.48	-2,721.84	-335.39	2,730.31	0.00	0.00	0.00	
14,100.00	89.56	179.61	10,772.25	-2,821.83	-334.72	2,830.25	0.00	0.00	0.00	
14,200.00	89.56	179.61	10,773.01	-2,921.83	-334.05	2,930.18	0.00	0.00	0.00	
14,300.00	89.56	179.61	10,773.78	-3,021.82	-333.37	3,030.11	0.00	0.00	0.00	
14,400.00	89.56	179.61	10,774.55	-3,121.82	-332.70	3,130.05	0.00	0.00	0.00	
14,500.00	89.56	179.61	10,775.32	-3,221.81	-332.02	3,229.98	0.00	0.00	0.00	
14,600.00	89.56	179.61	10,776.09	-3,321.81	-331.35	3,329.92	0.00	0.00	0.00	
14,700.00	89.56	179.61	10,776.86	-3,421.80	-330.68	3,429.85	0.00	0.00	0.00	
14,800.00	89.56	179.61	10,777.62	-3,521.80	-330.00	3,529.79	0.00	0.00	0.00	
14,900.00	89.56	179.61	10,778.39	-3,621.79	-329.33	3,629.72	0.00	0.00	0.00	
15,000.00	89.56	179.61	10,779.16	-3,721.79	-328.66	3,729.66	0.00	0.00	0.00	
15,100.00	89.56	179.61	10,779.93	-3,821.78	-327.98	3,829.59	0.00	0.00	0.00	
15,200.00	89.56	179.61	10,780.70	-3,921.78	-327.31	3,929.53	0.00	0.00	0.00	
15,300.00	89.56	179.61	10,781.47	-4,021.77	-326.63	4,029.46	0.00	0.00	0.00	
15,400.00	89.56	179.61	10,782.23	-4,121.77	-325.96	4,129.40	0.00	0.00	0.00	
15,500.00	89.56	179.61	10,783.00	-4,221.76	-325.29	4,229.33	0.00	0.00	0.00	
15,600.00	89.56	179.61	10,783.77	-4,321.76	-324.61	4,329.27	0.00	0.00	0.00	
15,700.00	89.56	179.61	10,784.54	-4,421.75	-323.94	4,429.20	0.00	0.00	0.00	

Oxy Inc.

Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

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)
15,800.00	89.56	179.61	10,785.31	-4,521.74	-323.26	4,529.13	0.00	0.00	0.00
15,900.00	89.56	179.61	10,786.07	-4,621.74	-322.59	4,629.07	0.00	0.00	0.00
16,000.00	89.56	179.61	10,786.84	-4,721.73	-321.92	4,729.00	0.00	0.00	0.00
16,100.00	89.56	179.61	10,787.61	-4,821.73	-321.24	4,828.94	0.00	0.00	0.00
16,200.00	89.56	179.61	10,788.38	-4,921.72	-320.57	4,928.87	0.00	0.00	0.00
16,300.00	89.56	179.61	10,789.15	-5,021.72	-319.90	5,028.81	0.00	0.00	0.00
16,400.00	89.56	179.61	10,789.92	-5,121.71	-319.22	5,128.74	0.00	0.00	0.00
16,500.00	89.56	179.61	10,790.68	-5,221.71	-318.55	5,228.68	0.00	0.00	0.00
16,600.00	89.56	179.61	10,791.45	-5,321.70	-317.87	5,328.61	0.00	0.00	0.00
16,700.00	89.56	179.61	10,792.22	-5,421.70	-317.20	5,428.55	0.00	0.00	0.00
16,800.00	89.56	179.61	10,792.99	-5,521.69	-316.53	5,528.48	0.00	0.00	0.00
16,900.00	89.56	179.61	10,793.76	-5,621.69	-315.85	5,628.42	0.00	0.00	0.00
17,000.00	89.56	179.61	10,794.52	-5,721.68	-315.18	5,728.35	0.00	0.00	0.00
17,100.00	89.56	179.61	10,795.29	-5,821.68	-314.50	5,828.29	0.00	0.00	0.00
17,200.00	89.56	179.61	10,796.06	-5,921.67	-313.83	5,928.22	0.00	0.00	0.00
17,300.00	89.56	179.61	10,796.83	-6,021.67	-313.16	6,028.16	0.00	0.00	0.00
17,400.00	89.56	179.61	10,797.60	-6,121.66	-312.48	6,128.09	0.00	0.00	0.00
17,500.00	89.56	179.61	10,798.37	-6,221.66	-311.81	6,228.02	0.00	0.00	0.00
17,600.00	89.56	179.61	10,799.13	-6,321.65	-311.13	6,327.96	0.00	0.00	0.00
17,700.00	89.56	179.61	10,799.90	-6,421.65	-310.46	6,427.89	0.00	0.00	0.00
17,800.00	89.56	179.61	10,800.67	-6,521.64	-309.79	6,527.83	0.00	0.00	0.00
17,900.00	89.56	179.61	10,801.44	-6,621.64	-309.11	6,627.76	0.00	0.00	0.00
18,000.00	89.56	179.61	10,802.21	-6,721.63	-308.44	6,727.70	0.00	0.00	0.00
18,100.00	89.56	179.61	10,802.98	-6,821.62	-307.77	6,827.63	0.00	0.00	0.00
18,200.00	89.56	179.61	10,803.74	-6,921.62	-307.09	6,927.57	0.00	0.00	0.00
18,300.00	89.56	179.61	10,804.51	-7,021.61	-306.42	7,027.50	0.00	0.00	0.00
18,400.00	89.56	179.61	10,805.28	-7,121.61	-305.74	7,127.44	0.00	0.00	0.00
18,500.00	89.56	179.61	10,806.05	-7,221.60	-305.07	7,227.37	0.00	0.00	0.00
18,600.00	89.56	179.61	10,806.82	-7,321.60	-304.40	7,327.31	0.00	0.00	0.00
18,700.00	89.56	179.61	10,807.58	-7,421.59	-303.72	7,427.24	0.00	0.00	0.00
18,800.00	89.56	179.61	10,808.35	-7,521.59	-303.05	7,527.18	0.00	0.00	0.00
18,900.00	89.56	179.61	10,809.12	-7,621.58	-302.37	7,627.11	0.00	0.00	0.00
19,000.00	89.56	179.61	10,809.89	-7,721.58	-301.70	7,727.05	0.00	0.00	0.00
19,100.00	89.56	179.61	10,810.66	-7,821.57	-301.03	7,826.98	0.00	0.00	0.00
19,200.00	89.56	179.61	10,811.43	-7,921.57	-300.35	7,926.91	0.00	0.00	0.00
19,300.00	89.56	179.61	10,812.19	-8,021.56	-299.68	8,026.85	0.00	0.00	0.00
19,400.00	89.56	179.61	10,812.96	-8,121.56	-299.00	8,126.78	0.00	0.00	0.00
19,500.00	89.56	179.61	10,813.73	-8,221.55	-298.33	8,226.72	0.00	0.00	0.00
19,600.00	89.56	179.61	10,814.50	-8,321.55	-297.66	8,326.65	0.00	0.00	0.00
19,700.00	89.56	179.61	10,815.27	-8,421.54	-296.98	8,426.59	0.00	0.00	0.00
19,800.00	89.56	179.61	10,816.04	-8,521.54	-296.31	8,526.52	0.00	0.00	0.00
19,900.00	89.56	179.61	10,816.80	-8,621.53	-295.64	8,626.46	0.00	0.00	0.00
20,000.00	89.56	179.61	10,817.57	-8,721.53	-294.96	8,726.39	0.00	0.00	0.00
20,100.00	89.56	179.61	10,818.34	-8,821.52	-294.29	8,826.33	0.00	0.00	0.00
20,200.00	89.56	179.61	10,819.11	-8,921.52	-293.61	8,926.26	0.00	0.00	0.00
20,300.00	89.56	179.61	10,819.88	-9,021.51	-292.94	9,026.20	0.00	0.00	0.00
20,400.00	89.56	179.61	10,820.64	-9,121.50	-292.27	9,126.13	0.00	0.00	0.00
20,500.00	89.56	179.61	10,821.41	-9,221.50	-291.59	9,226.07	0.00	0.00	0.00
20,600.00	89.56	179.61	10,822.18	-9,321.49	-290.92	9,326.00	0.00	0.00	0.00
20,700.00	89.56	179.61	10,822.95	-9,421.49	-290.24	9,425.94	0.00	0.00	0.00
20,800.00	89.56	179.61	10,823.72	-9,521.48	-289.57	9,525.87	0.00	0.00	0.00
20,900.00	89.56	179.61	10,824.49	-9,621.48	-288.90	9,625.80	0.00	0.00	0.00
21,000.00	89.56	179.61	10,825.25	-9,721.47	-288.22	9,725.74	0.00	0.00	0.00
21,100.00	89.56	179.61	10,826.02	-9,821.47	-287.55	9,825.67	0.00	0.00	0.00

Oxy Inc.

Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Taco Cat 27_34 Federal Com 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	RKB=26.5' @ 3679.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	RKB=26.5' @ 3679.50ft
Site:	Taco Cat 27-34 Federal Com	North Reference:	Grid
Well:	Taco Cat 27_34 Federal Com 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permitting Plan		

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)
21,200.00	89.56	179.61	10,826.79	-9,921.46	-286.87	9,925.61	0.00	0.00	0.00
21,292.39	89.56	179.61	10,827.50	-10,013.85	-286.25	10,017.94	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 (Taco Cat 27_34 - plan misses target center by 72.28ft at 10872.10ft MD (10686.74 TVD, 395.94 N, -352.12 E) - Point	0.00	0.00	10,749.50	431.30	-358.04	498,878.63	749,435.48	32° 22' 10.868318 N	103° 39' 33.522870
PBHL (Taco Cat - plan hits target center - Point	0.00	0.00	10,827.50	-10,013.85	-286.25	488,433.93	749,507.26	32° 20' 27.511743 N	103° 39' 33.452695

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
856.50	856.50	RUSTLER				
1,381.50	1,381.50	SALADO				
3,356.50	3,356.50	CASTILE				
4,718.50	4,718.50	DELAWARE				
4,769.50	4,769.50	BELL CANYON				
5,635.83	5,635.50	CHERRY CANYON				
6,882.40	6,867.50	BRUSHY CANYON				
8,588.32	8,547.50	BONE SPRING				
9,734.74	9,676.50	BONE SPRING 1ST				
10,430.46	10,361.50	BONE SPRING 2ND				

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,235.00	5,235.00	0.00	0.00	Build 1°/100'
6,235.00	6,229.93	79.52	-35.40	Hold 10° Tangent
10,151.59	10,087.02	700.83	-312.03	KOP, Build & Turn 10°/100'
11,138.75	10,749.50	139.26	-354.68	Landing Point
21,292.39	10,827.50	-10,013.85	-286.25	TD at 21292.39' MD



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: Taco Cat 27-34 Federal Com
 Well: Taco Cat 27_34 Federal Com 25H
 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

WELL DETAILS: Taco Cat 27_34 Federal Com 25H

+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude
0.00	0.00	498447.35	3653.00 749793.50	32° 22' 6.578406 N	103° 39' 29.380237 W

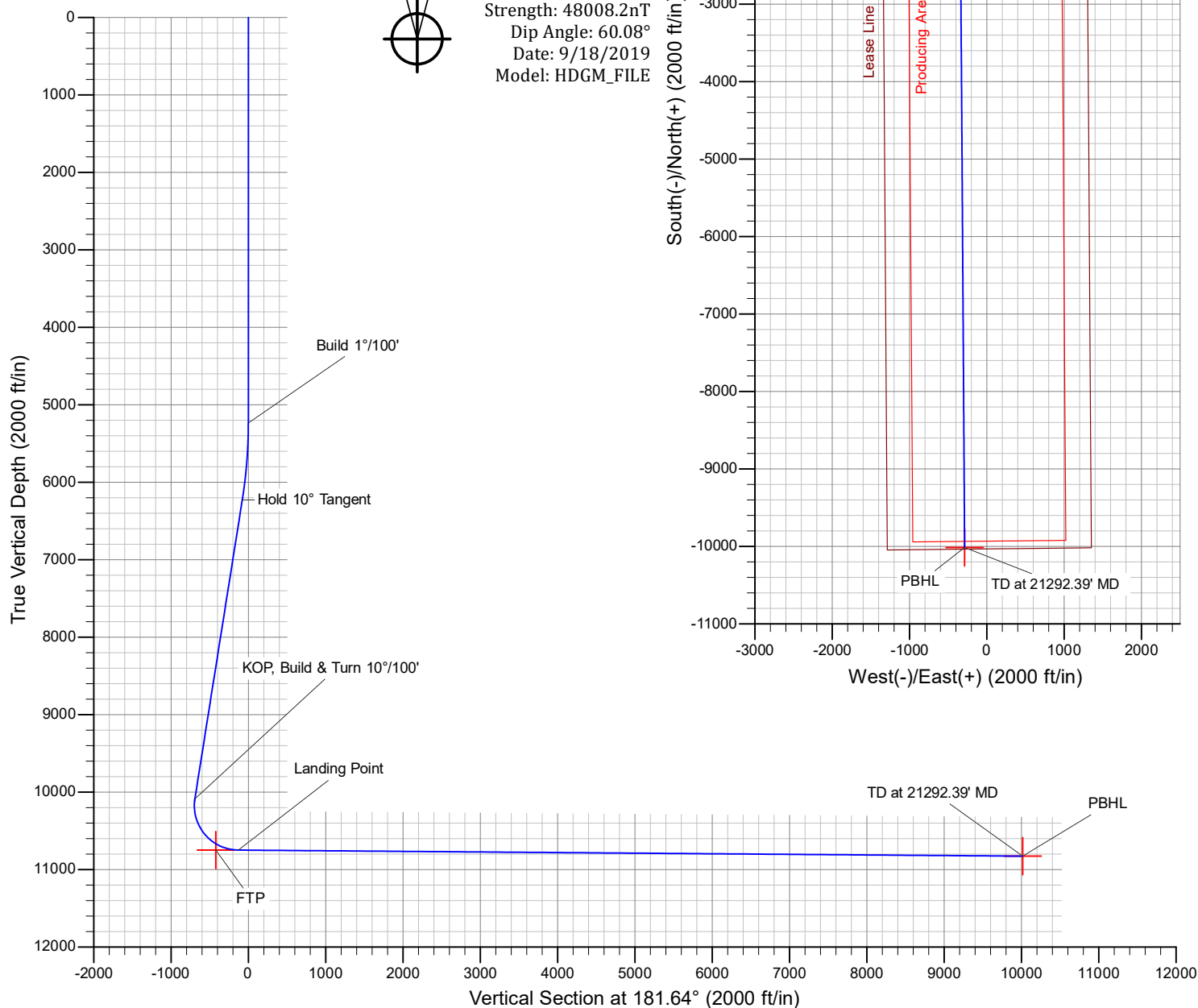
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5235.00	0.00	0.00	5235.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
6235.00	10.00	336.00	6229.93	79.52	-35.40	1.00	336.00	-78.48	Hold 10° Tangent
10151.59	10.00	336.00	10087.02	700.83	-312.03	0.00	0.00	-691.63	KOP, Build & Turn 10°/100'
11138.75	89.56	179.61	10749.50	139.26	-354.68	10.00	-156.09	-129.07	Landing Point
21292.39	89.56	179.61	10827.50	-10013.85	-286.25	0.00	0.00	10017.94	TD at 21292.39' MD



Azimuths to Grid North
 True North: -0.36°
 Magnetic North: 6.31°

Magnetic Field
 Strength: 48008.2nT
 Dip Angle: 60.08°
 Date: 9/18/2019
 Model: HDGM_FILE



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
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 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

Action 55544

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 55544
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/13/2021