

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMM43744

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
PLATINUM MDP1 34-3 FEDERAL COM 3H9. API Well No.
30-015-45228-00-X110. Field and Pool or Exploratory Area
INGLE WELLS11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA INCORPORATEDContact: DAVID STEWART
E-Mail: david_stewart@oxy.com3a. Address
5 GREENWAY PLAZA SUITE 110
HOUSTON, TX 77046-05213b. Phone No. (include area code)
Ph: 432.685.5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 34 T23S R31E NENW 400FNL 2592FWL
32.267086 N Lat, 103.765823 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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

OXY USA Inc. respectfully requests to amend the APD with the following changes.

1. Move (440' west) and lower (+200') the proposed horizontal lateral. See attached for the amended C-102 Plat, Directional Plan & Plot.

with the details for the changes in the casing, cementing and mud programs.

2. Request option to possibly run a 7-5/8" contingency intermediate II casing string, if there are severe hole conditions. See attached for the amended drilling plan with the proposed changes on the casing, cementing and mud programs.

3. See attached for additional detail for the 7-5/8" & 5-1/2" casing connections.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL
NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 14 2018

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #441552 verified by the BLM Well Information System

For OXY USA INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 10/30/2018 (19PP0261SE)

Name (Printed/Typed) DAVID STEWART

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 10/29/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Mustafa HaqueTitle Petroleum EngineerDate 11-07-2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad Field Office

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

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RUP11-15-18-

Additional data for EC transaction #441552 that would not fit on the form

32. Additional remarks, continued

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1281 Fax: (505) 748-9720
District III
1000 Rio Bonito 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 30-015-45228	Pool Code 13367	Pool Name Cotton New Bone Springs
Property Code 322245	Property Name PLATINUM MDP1 "34-3" FEDERAL COM	Well Number 3H
OGRID No 16696	Operator Name OXY USA INC.	Elevation 3427.6'

Surface Location

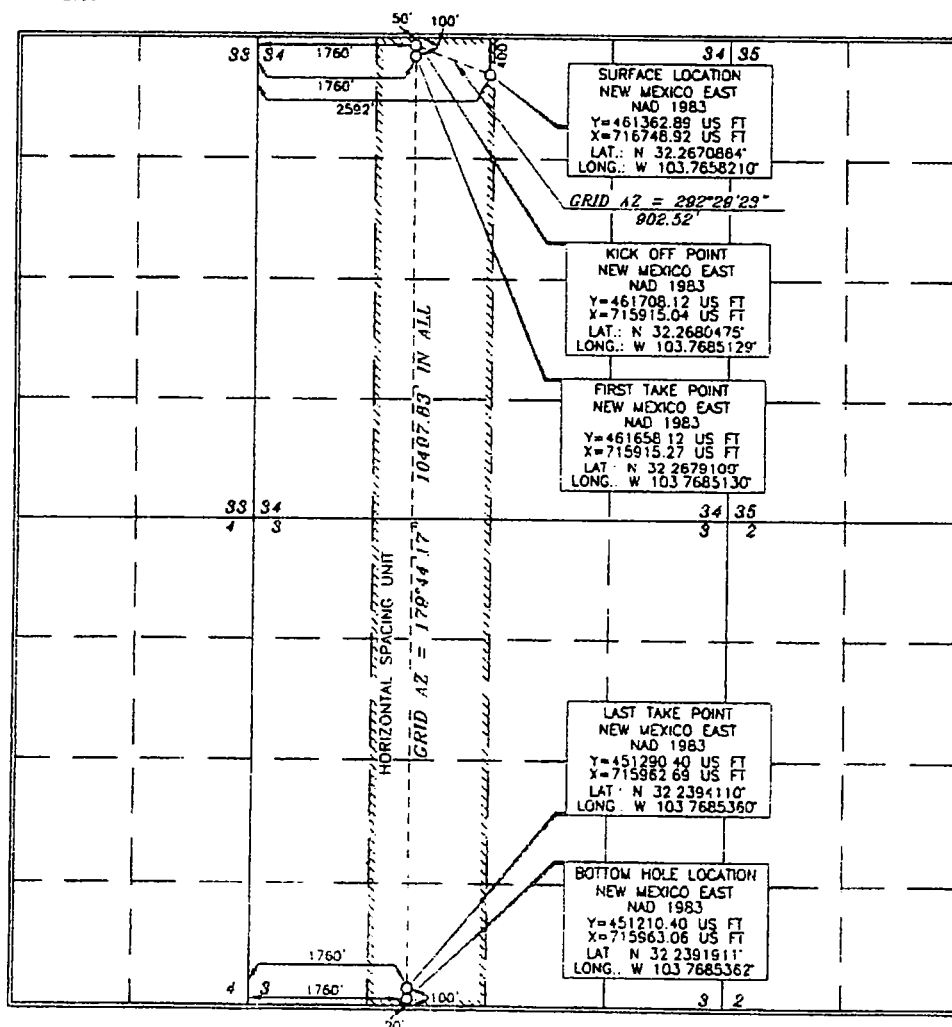
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	34	23 SOUTH	31 EAST, N.M.P.M.		400'	NORTH	2592'	WEST	EDDY

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
N	3	24 SOUTH	31 EAST, N.M.P.M.		20'	SOUTH	1760'	WEST	EDDY

Dedicated Acres 320.14	Joint or Infill Y	Consolidation Code	Order No.
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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 retained 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 approved by the division.

Signature: **David Stewart** Date: **10/25/18**
Printed Name: **David Stewart**
E-mail Address: **david.stewart@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located from a survey of a well survey made by me or under my supervision and that the same is true and correct to the best of my belief.

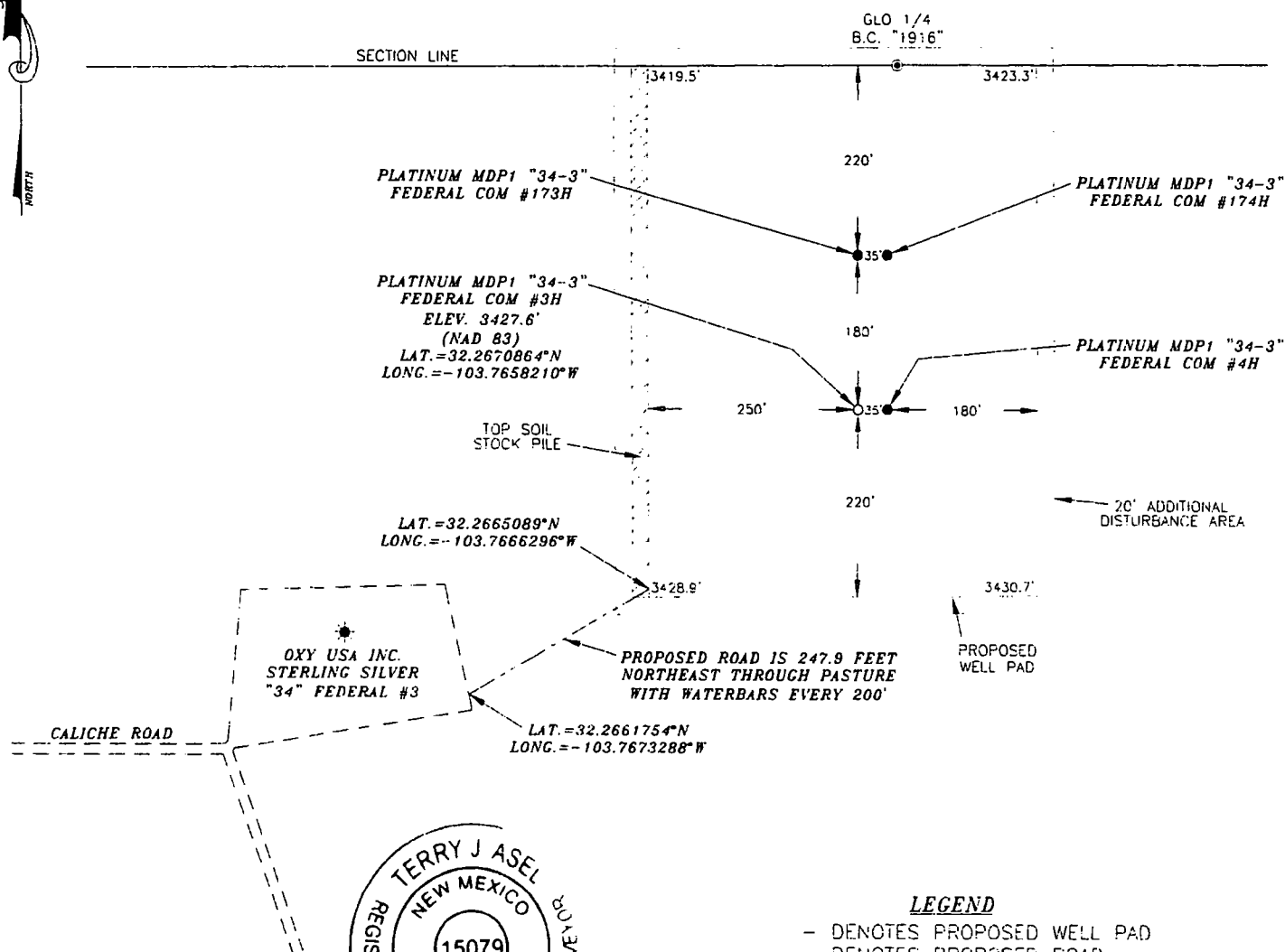
Date of Survey: **JANUARY 15, 2018**
Signature and Seal: **Tommy J. As...**
Professional Surveyor: **15079**

WOF 180115WL-a (Rev A) (NA)

RUP 11-15-18

OXY USA INC. PLATINUM MDP1 "34-3" FEDERAL COM #3H SITE PLAN

FAA PERMIT: NO



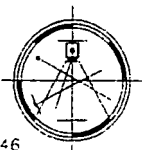
SURVEYORS CERTIFICATE

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 2/23/2018
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 PROPOSED WELL PAD
- - - - - DENOTES PROPOSED ROAD
- DENOTES STOCK PILE AREA
- ★ DENOTES EXISTING WELL

200' 0 200' 400' FEET
SCALE: 1"=200'

OXY USA INC.

PLATINUM MDP1 "34-3" FEDERAL COM #3H
LOCATED AT 400' FNL & 2592' FWL IN SECTION
34, TOWNSHIP 23 SOUTH, RANGE 31 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 01/15/18	Sheet 1 of 1 Sheets
W.O. Number: 180115WL-a	Drawn By: KA Rev:
Date: 02/13/18	180115WL-a Scale: 1"=200'

OXY USA Inc. - Platinum MDP1 34-3 Federal Com 3H – Amended Drill Plan

1. Geologic Formations

TVD of target	10051'	Pilot Hole Depth	N/A
MD at TD:	20354'	Deepest Expected fresh water:	574'

Delaware Basin

Formation	TVD - RKB	Expected Fluids
Rustler	574	
Salado	903	Brine
Castile	2,862	Brine
Lamar/Delaware	4,324	Brine
Bell Canyon	4,351	Oil/Gas
Cherry Canyon	5,236	Oil/Gas
Brushy Canyon	6,500	Losses
Bone Spring	8,161	Oil/Gas
1st Bone Spring	9,220	Oil/Gas
2nd Bone Spring	9,469	Oil/Gas

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

2. Casing Program

Primary Plan:

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Buoyant	Buoyant
	From (ft)	To (ft)							Body SF Tension	Joint SF Tension
17.5	0	624	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	4374	9.625	43.5	L-80	BTC	1.125	1.2	1.4	1.4
8.5	0	20354	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

Contingency Plan:

Hole Size (in)	Casing Interval		Csg. Size (in)	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	Buoyant	Buoyant
	From (ft)	To (ft)							Body SF Tension	Joint SF Tension
17.5	0	624	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	4374	9.625	43.5	L-80	BTC	1.125	1.2	1.4	1.4
8.5	0	8500	7.625	26.4	HCL-80	SF (0 ft to 4000 ft) FJ (4000 ft to 8500 ft)	1.125	1.2	1.4	1.4
6.75	0	20354	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
SF Values will meet or Exceed										

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 and/or SF TORQ connections to accommodate hole conditions or drilling operations.**

Annular Clearance Variance Request

As per the agreement reached in the OXY/BLM 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?	Y
If yes, are the first three strings cemented to surface?	Y
Is 2 nd string set 100' to 600' below the base of salt?	Y
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?	

OXY USA Inc. - Platinum MDP1 34-3 Federal Com 3H – Amended Drill Plan

3. Cementing Program

Primary Plan:

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	666	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate (Lead)	1308	12.9	1.73	8.784	15:26	Pozzolan Cement, Retarder
Intermediate (Tail)	155	14.8	1.33	6.368	7:11	Class C Cement, Accelerator
Production 1st Stage (Lead)	661	13.2	1.38	6.692	17:50	Class H Cement, Retarder, Dispersant, Salt
Production 1st Stage (Tail)	2133	13.2	1.38	6.686	3:49	Class H Cement, Retarder, Dispersant, Salt
2nd Stage Production Lead Slurry to be pumped as Bradenhead Squeeze from surface, down the Production annulus.						
Production 2nd Stage (Tail)	917	12.9	1.872	10.11	21:54	Class C Cement, Accelerator
Casing String		Top (ft)		Bottom (ft)	% Excess	
Surface (Lead)		N/A		N/A	N/A	
Surface (Tail)		0		624	100%	
Intermediate (Lead)		0		3874	100%	
Intermediate (Tail)		3874		4374	20%	
Production 1st Stage (Lead)		6500		8161	5%	
Production 1st Stage (Tail)		8161		20354	5%	
Production 2nd Stage (Tail)		0		6500	25%	

Contingency Plan:

Casing String	# Sks	Wt. (lb/gal)	Yld (ft3/sack)	H2O (gal/sk)	500# Comp. Strength (hours)	Slurry Description
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	738	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate (Lead)	1204	12.9	1.88	10.130	14:22	Pozzolan Cement, Retarder
Intermediate (Tail)	155	14.8	1.33	6.370	12:45	Class C Cement, Accelerator
Intermediate II 1st Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate II 1st Stage (Tail)	17	13.2	1.65	8.640	11:54	Class H Cement, Retarder, Dispersant, Salt
Intermediate II 2nd Stage (Tail Slurry) to be pumped as Bradenhead Squeeze from surface, down the Intermediate annulus						
Intermediate II 2nd Stage (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Intermediate II 2nd Stage (Tail)	426	12.9	1.92	10.410	23:10	Class C Cement, Accelerator
Production (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Production (Tail)	905	13.2	1.38	6.686	3:49	Class H Cement, Retarder, Dispersant, Salt
Casing String		Top (ft)		Bottom (ft)	% Excess	
Surface (Lead)		N/A		N/A	N/A	
Surface (Tail)		0		624	100%	
Intermediate (Lead)		0		3874	100%	
Intermediate (Tail)		3874		4374	20%	
Intermediate II 1st Stage (Lead)		N/A		N/A	N/A	
Intermediate II 1st Stage (Tail)		8161		8500	5%	
Intermediate II 2nd Stage (Lead)		N/A		N/A	N/A	
Intermediate II 2nd Stage (Tail)		0		8161	25%	
Production (Lead)		N/A		N/A	N/A	
Production (Tail)		8000		20354	20%	

*Contingency design will only be employed if Oxy elects to run 7.625" Intermediate II string.

4. Pressure Control Equipment

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12.25" Hole	13-5/8"	5M	Annular	✓	70% of working pressure
			Blind Ram	✓	250/5000psi
			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 manifold. See attached schematics.

	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

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow BOP Break Testing under the following conditions:

- After a full BOP test is conducted on the first well on the pad.
- When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.
- Full BOP test will be required prior to drilling any production hole.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From (ft)	To (ft)				
0	624	Water-Based Mud	8.6-8.8	40-60	N/C
624	4374	Saturated Brine-Based Mud	9.8-10.0	35-45	N/C
4374	20354	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
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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
No	PEX

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	5018 psi
Abnormal Temperature	No
BH Temperature at deepest TVD	161°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 isolation.

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 two 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: 1853.9 bbls.

9. Company Personnel

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Mobile Phone</u>
Philippe Haffner	Drilling Engineer	713-985-6379	832-767-9047
Diego Tellez	Drilling Engineer Supervisor	713-350-4602	713-303-4932
Simon Benavides	Drilling Superintendent	713-522-8652	281-684-6897
John Willis	Drilling Manager	713-366-5556	713-259-1417

PERFORMANCE DATA

TMK UP SF TORQ™

5.500 in

20.00 lbs/ft

P110 HC

Technical Data Sheet

Tubular Parameters

Size	5.500	in	Minimum Yield	110,000	psi
Nominal Weight	20.00	lbs/ft	Minimum Tensile	125,000	psi
Grade	P110 HC		Yield Load	641,000	lbs
PE Weight	19.81	lbs/ft	Tensile Load	728,000	lbs
Wall Thickness	0.361	in	Min. Internal Yield Pressure	12,640	psi
Nominal ID	4.778	in	Collapse Pressure	12,780	psi
Drift Diameter	4.653	in			
Nom. Pipe Body Area	5.828	in ²			

Connection Parameters

Connection OD	5.777	in
Connection ID	4.734	in
Make-Up Loss	5.823	in
Critical Section Area	5.875	in ²
Tension Efficiency	90.0	%
Compression Efficiency	90.0	%
Yield Load In Tension	576,000	lbs
Min. Internal Yield Pressure	12,640	psi
Collapse Pressure	12,780	psi
Uniaxial Bending	83	% 100 ft

Make-Up Torques

Min. Make-Up Torque	15,700	ft-lbs
Opt. Make-Up Torque	19,600	ft-lbs
Max. Make-Up Torque	21,600	ft-lbs
Operating Torque	29,000	ft-lbs
Yield Torque	36,000	ft-lbs

Printed on: February-22-2018

NOTE:

The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply fitness for a particular purpose, which only a competent drilling professional can determine considering the specific installation and operation parameters. Information that is printed or downloaded is no longer controlled by TMK IPSCO and might not be the latest information. Anyone using the information herein does so at their own risk. To verify that you have the latest TMK IPSCO technical information, please contact TMK IPSCO Technical Sales toll-free at 1-888-258-2000.

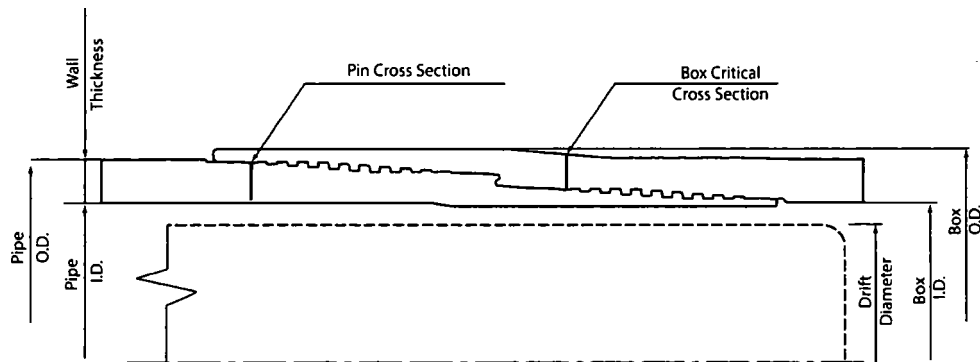
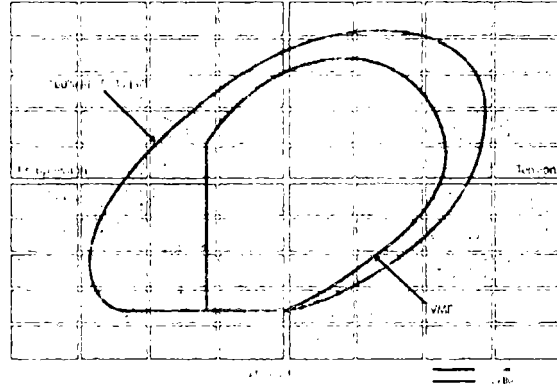


IPSCO

Print date: 07/10/2018 20:11

TECHNICAL DATA SHEET TMK UP SF 7.625 X 26.4 L80 HC

TUBULAR PARAMETERS		PIPE BODY PROPERTIES	
Nominal OD, (inch)	7.625	PE Weight, (lbs/ft)	25.56
Wall Thickness, (inch)	0.328	Nominal Weight, (lbs/ft)	26.40
Pipe Grade	L80 HC	Nominal ID, (inch)	6.969
Drift	Standard	Drift Diameter, (inch)	6.844
		Nominal Pipe Body Area, (sq inch)	7.519
CONNECTION PARAMETERS		Yield Strength in Tension, (klbs)	601
Connection OD (inch)	7.79	Min. Internal Yield Pressure, (psi)	6 020
Connection ID, (inch)	6.938	Collapse Pressure, (psi)	3 910
Make-Up Loss, (inch)	6.029		
Connection Critical Area, (sq inch)	5.948		
Yield Strength in Tension, (klbs)	533		
Yield Strength in Compression, (klbs)	533		
Tension Efficiency	89%		
Compression Efficiency	89%		
Min. Internal Yield Pressure, (psi)	6 020		
Collapse Pressure, (psi)	3 910		
Uniaxial Bending (deg/100ft)	42.7		
MAKE-UP TORQUES			
Yield Torque, (ft-lb)	22 600		
Minimum Make-Up Torque, (ft-lb)	15 000		
Optimum Make-Up Torque, (ft-lb)	16 500		
Maximum Make-Up Torque, (ft-lb)	18 200		



NOTE: The contents of this Technical Data Sheet are for informational purposes only and do not constitute a warranty or guarantee of performance. The information is provided for your reference only and should not be used as a basis for design or construction. The information is subject to change without notice. The information is controlled by TMK and may not be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system. For more information, please contact TMK Technical Sales at 800-441-7495, ext. 2400. Email: technical@tmk.com or TMK PSC in Houston, Texas. Tel: 281-439-1044. Email to: tmk@tmk.com

Print date: 07/10/2018 20:00

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983)

PLATINUM MDP1 34-3 FED COM

PLATINUM MDP1 34-3 FED COM 3H

WB00

Plan: Permitting Plan

Standard Planning Report

09 October, 2018

Oxy

Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 3H
TVD Reference: DATUM @ 3454.10ft
MD Reference: DATUM @ 3454.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	PLATINUM MDP1 34-3 FED COM		
Site Position:		Northing:	461,352.44 usft
From:	Map	Easting:	714,923.95 usft
Position Uncertainty:	50.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 16' 1.502765 N
		Longitude:	103° 46' 18.211063 W
		Grid Convergence:	0.30 °

Well	PLATINUM MDP1 34-3 FED COM 3H		
Well Position	+N/-S	10.45 ft	Northing: 461,362.89 usft
	+E/-W	1,825.08 ft	Easting: 716,748.92 usft
Position Uncertainty	2.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32° 16' 1.511172 N
		Longitude:	103° 45' 56.955595 W
		Ground Level:	3,427.60 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/27/2018	6.88	60.00	48,085

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	184.43

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	
3,834.00	0.00	0.00	3,834.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,334.12	10.00	292.49	4,331.58	16.66	-40.23	2.00	2.00	0.00	292.49	
9,029.36	10.00	292.49	8,955.46	328.65	-793.70	0.00	0.00	0.00	0.00	
9,529.48	0.00	179.74	9,453.04	345.31	-833.93	2.00	-2.00	0.00	180.00	PLATINUM_3H_KO
10,428.48	89.90	179.74	10,026.00	-226.64	-831.31	10.00	10.00	0.00	179.74	
20,354.98	89.81	179.74	10,051.00	-10,153.01	-786.25	0.00	0.00	0.00	176.60	PLATINUM_3H_BH

Oxy

Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 3H
TVD Reference: DATUM @ 3454.10ft
MD Reference: DATUM @ 3454.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
3,834.00	0.00	0.00	3,834.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	1.32	292.49	3,899.99	0.29	-0.70	-0.24	2.00	2.00	0.00
4,000.00	3.32	292.49	3,999.91	1.84	-4.44	-1.49	2.00	2.00	0.00
4,100.00	5.32	292.49	4,099.62	4.72	-11.40	-3.83	2.00	2.00	0.00
4,200.00	7.32	292.49	4,199.01	8.93	-21.57	-7.24	2.00	2.00	0.00
4,300.00	9.32	292.49	4,297.95	14.47	-34.94	-11.73	2.00	2.00	0.00
4,334.12	10.00	292.49	4,331.58	16.66	-40.23	-13.50	2.00	2.00	0.00
4,400.00	10.00	292.49	4,396.46	21.04	-50.80	-17.05	0.00	0.00	0.00
4,500.00	10.00	292.49	4,494.94	27.68	-66.85	-22.44	0.00	0.00	0.00
4,600.00	10.00	292.49	4,593.42	34.33	-82.90	-27.82	0.00	0.00	0.00
4,700.00	10.00	292.49	4,691.90	40.97	-98.95	-33.21	0.00	0.00	0.00
4,800.00	10.00	292.49	4,790.38	47.62	-114.99	-38.60	0.00	0.00	0.00
4,900.00	10.00	292.49	4,888.86	54.26	-131.04	-43.98	0.00	0.00	0.00
5,000.00	10.00	292.49	4,987.34	60.91	-147.09	-49.37	0.00	0.00	0.00
5,100.00	10.00	292.49	5,085.82	67.55	-163.14	-54.75	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well PLATINUM MDP1 34-3 FED COM 3H
Company:	ENGINEERING DESIGNS	TVD Reference:	DATUM @ 3454.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	DATUM @ 3454.10ft
Site:	PLATINUM MDP1 34-3 FED COM	North Reference:	Grid
Well:	PLATINUM MDP1 34-3 FED COM 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
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)
5,200.00	10.00	292.49	5,184.30	74.20	-179.18	-60.14	0.00	0.00	0.00
5,300.00	10.00	292.49	5,282.78	80.84	-195.23	-65.53	0.00	0.00	0.00
5,400.00	10.00	292.49	5,381.26	87.49	-211.28	-70.91	0.00	0.00	0.00
5,500.00	10.00	292.49	5,479.74	94.13	-227.32	-76.30	0.00	0.00	0.00
5,600.00	10.00	292.49	5,578.22	100.77	-243.37	-81.68	0.00	0.00	0.00
5,700.00	10.00	292.49	5,676.70	107.42	-259.42	-87.07	0.00	0.00	0.00
5,800.00	10.00	292.49	5,775.18	114.06	-275.47	-92.46	0.00	0.00	0.00
5,900.00	10.00	292.49	5,873.66	120.71	-291.51	-97.84	0.00	0.00	0.00
6,000.00	10.00	292.49	5,972.14	127.35	-307.56	-103.23	0.00	0.00	0.00
6,100.00	10.00	292.49	6,070.62	134.00	-323.61	-108.61	0.00	0.00	0.00
6,200.00	10.00	292.49	6,169.10	140.64	-339.66	-114.00	0.00	0.00	0.00
6,300.00	10.00	292.49	6,267.58	147.29	-355.70	-119.39	0.00	0.00	0.00
6,400.00	10.00	292.49	6,366.06	153.93	-371.75	-124.77	0.00	0.00	0.00
6,500.00	10.00	292.49	6,464.54	160.58	-387.80	-130.16	0.00	0.00	0.00
6,600.00	10.00	292.49	6,563.02	167.22	-403.85	-135.54	0.00	0.00	0.00
6,700.00	10.00	292.49	6,661.50	173.87	-419.89	-140.93	0.00	0.00	0.00
6,800.00	10.00	292.49	6,759.98	180.51	-435.94	-146.32	0.00	0.00	0.00
6,900.00	10.00	292.49	6,858.46	187.16	-451.99	-151.70	0.00	0.00	0.00
7,000.00	10.00	292.49	6,956.94	193.80	-468.04	-157.09	0.00	0.00	0.00
7,100.00	10.00	292.49	7,055.42	200.45	-484.08	-162.47	0.00	0.00	0.00
7,200.00	10.00	292.49	7,153.90	207.09	-500.13	-167.86	0.00	0.00	0.00
7,300.00	10.00	292.49	7,252.38	213.74	-516.18	-173.25	0.00	0.00	0.00
7,400.00	10.00	292.49	7,350.86	220.38	-532.23	-178.63	0.00	0.00	0.00
7,500.00	10.00	292.49	7,449.34	227.03	-548.27	-184.02	0.00	0.00	0.00
7,600.00	10.00	292.49	7,547.82	233.67	-564.32	-189.40	0.00	0.00	0.00
7,700.00	10.00	292.49	7,646.30	240.32	-580.37	-194.79	0.00	0.00	0.00
7,800.00	10.00	292.49	7,744.78	246.96	-596.42	-200.18	0.00	0.00	0.00
7,900.00	10.00	292.49	7,843.26	253.61	-612.46	-205.56	0.00	0.00	0.00
8,000.00	10.00	292.49	7,941.75	260.25	-628.51	-210.95	0.00	0.00	0.00
8,100.00	10.00	292.49	8,040.23	266.90	-644.56	-216.33	0.00	0.00	0.00
8,200.00	10.00	292.49	8,138.71	273.54	-660.61	-221.72	0.00	0.00	0.00
8,300.00	10.00	292.49	8,237.19	280.19	-676.65	-227.11	0.00	0.00	0.00
8,400.00	10.00	292.49	8,335.67	286.83	-692.70	-232.49	0.00	0.00	0.00
8,500.00	10.00	292.49	8,434.15	293.48	-708.75	-237.88	0.00	0.00	0.00
8,600.00	10.00	292.49	8,532.63	300.12	-724.80	-243.26	0.00	0.00	0.00
8,700.00	10.00	292.49	8,631.11	306.77	-740.84	-248.65	0.00	0.00	0.00
8,800.00	10.00	292.49	8,729.59	313.41	-756.89	-254.04	0.00	0.00	0.00
8,900.00	10.00	292.49	8,828.07	320.06	-772.94	-259.42	0.00	0.00	0.00
9,000.00	10.00	292.49	8,926.55	326.70	-788.99	-264.81	0.00	0.00	0.00
9,029.36	10.00	292.49	8,955.46	328.65	-793.70	-266.39	0.00	0.00	0.00
9,100.00	8.59	292.49	9,025.17	333.02	-804.24	-269.93	2.00	-2.00	0.00
9,200.00	6.59	292.49	9,124.29	338.07	-816.44	-274.02	2.00	-2.00	0.00
9,300.00	4.59	292.49	9,223.81	341.80	-825.44	-277.04	2.00	-2.00	0.00
9,400.00	2.59	292.49	9,323.61	344.19	-831.23	-278.99	2.00	-2.00	0.00
9,500.00	0.59	292.49	9,423.56	345.25	-833.79	-279.85	2.00	-2.00	0.00
9,529.48	0.00	179.74	9,453.04	345.31	-833.93	-279.89	2.00	-2.00	0.00
9,600.00	7.05	179.74	9,523.39	340.98	-833.91	-275.57	10.00	10.00	0.00
9,700.00	17.05	179.74	9,621.06	320.12	-833.81	-254.79	10.00	10.00	0.00
9,800.00	27.05	179.74	9,713.62	282.63	-833.64	-217.42	10.00	10.00	0.00
9,900.00	37.05	179.74	9,798.27	229.62	-833.40	-164.59	10.00	10.00	0.00
10,000.00	47.05	179.74	9,872.43	162.73	-833.09	-97.92	10.00	10.00	0.00
10,100.00	57.05	179.74	9,933.85	83.97	-832.73	-19.43	10.00	10.00	0.00
10,200.00	67.05	179.74	9,980.66	-4.25	-832.33	68.50	10.00	10.00	0.00
10,300.00	77.05	179.74	10,011.43	-99.26	-831.89	163.20	10.00	10.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 3H
TVD Reference: DATUM @ 3454.10ft
MD Reference: DATUM @ 3454.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	87.05	179.74	10,025.24	-198.18	-831.44	261.78	10.00	10.00	0.00
10,428.48	89.90	179.74	10,026.00	-226.64	-831.31	290.15	10.00	10.00	0.00
10,500.00	89.90	179.74	10,026.12	-298.16	-830.98	361.43	0.00	0.00	0.00
10,600.00	89.90	179.74	10,026.30	-398.16	-830.52	461.10	0.00	0.00	0.00
10,700.00	89.90	179.74	10,026.48	-498.16	-830.06	560.76	0.00	0.00	0.00
10,800.00	89.90	179.74	10,026.66	-598.16	-829.60	660.43	0.00	0.00	0.00
10,900.00	89.90	179.74	10,026.84	-698.16	-829.14	760.09	0.00	0.00	0.00
11,000.00	89.89	179.74	10,027.02	-798.16	-828.69	859.75	0.00	0.00	0.00
11,100.00	89.89	179.74	10,027.21	-898.15	-828.23	959.42	0.00	0.00	0.00
11,200.00	89.89	179.74	10,027.39	-998.15	-827.77	1,059.08	0.00	0.00	0.00
11,300.00	89.89	179.74	10,027.58	-1,098.15	-827.31	1,158.75	0.00	0.00	0.00
11,400.00	89.89	179.74	10,027.77	-1,198.15	-826.86	1,258.41	0.00	0.00	0.00
11,500.00	89.89	179.74	10,027.96	-1,298.15	-826.40	1,358.08	0.00	0.00	0.00
11,600.00	89.89	179.74	10,028.15	-1,398.15	-825.94	1,457.74	0.00	0.00	0.00
11,700.00	89.89	179.74	10,028.34	-1,498.15	-825.48	1,557.41	0.00	0.00	0.00
11,800.00	89.89	179.74	10,028.54	-1,598.15	-825.03	1,657.07	0.00	0.00	0.00
11,900.00	89.89	179.74	10,028.74	-1,698.14	-824.57	1,756.74	0.00	0.00	0.00
12,000.00	89.89	179.74	10,028.93	-1,798.14	-824.11	1,856.40	0.00	0.00	0.00
12,100.00	89.89	179.74	10,029.13	-1,898.14	-823.65	1,956.07	0.00	0.00	0.00
12,200.00	89.88	179.74	10,029.34	-1,998.14	-823.20	2,055.73	0.00	0.00	0.00
12,300.00	89.88	179.74	10,029.54	-2,098.14	-822.74	2,155.40	0.00	0.00	0.00
12,400.00	89.88	179.74	10,029.74	-2,198.14	-822.28	2,255.06	0.00	0.00	0.00
12,500.00	89.88	179.74	10,029.95	-2,298.14	-821.83	2,354.73	0.00	0.00	0.00
12,600.00	89.88	179.74	10,030.16	-2,398.14	-821.37	2,454.39	0.00	0.00	0.00
12,700.00	89.88	179.74	10,030.37	-2,498.13	-820.91	2,554.06	0.00	0.00	0.00
12,800.00	89.88	179.74	10,030.58	-2,598.13	-820.46	2,653.72	0.00	0.00	0.00
12,900.00	89.88	179.74	10,030.79	-2,698.13	-820.00	2,753.39	0.00	0.00	0.00
13,000.00	89.88	179.74	10,031.00	-2,798.13	-819.54	2,853.05	0.00	0.00	0.00
13,100.00	89.88	179.74	10,031.22	-2,898.13	-819.09	2,952.72	0.00	0.00	0.00
13,200.00	89.88	179.74	10,031.43	-2,998.13	-818.63	3,052.38	0.00	0.00	0.00
13,300.00	89.87	179.74	10,031.65	-3,098.13	-818.18	3,152.05	0.00	0.00	0.00
13,400.00	89.87	179.74	10,031.87	-3,198.13	-817.72	3,251.71	0.00	0.00	0.00
13,500.00	89.87	179.74	10,032.09	-3,298.12	-817.27	3,351.38	0.00	0.00	0.00
13,600.00	89.87	179.74	10,032.32	-3,398.12	-816.81	3,451.04	0.00	0.00	0.00
13,700.00	89.87	179.74	10,032.54	-3,498.12	-816.35	3,550.71	0.00	0.00	0.00
13,800.00	89.87	179.74	10,032.77	-3,598.12	-815.90	3,650.37	0.00	0.00	0.00
13,900.00	89.87	179.74	10,033.00	-3,698.12	-815.44	3,750.04	0.00	0.00	0.00
14,000.00	89.87	179.74	10,033.23	-3,798.12	-814.99	3,849.70	0.00	0.00	0.00
14,100.00	89.87	179.74	10,033.46	-3,898.12	-814.53	3,949.37	0.00	0.00	0.00
14,200.00	89.87	179.74	10,033.69	-3,998.12	-814.08	4,049.03	0.00	0.00	0.00
14,300.00	89.87	179.74	10,033.92	-4,098.11	-813.62	4,148.70	0.00	0.00	0.00
14,400.00	89.86	179.74	10,034.16	-4,198.11	-813.17	4,248.36	0.00	0.00	0.00
14,500.00	89.86	179.74	10,034.40	-4,298.11	-812.71	4,348.03	0.00	0.00	0.00
14,600.00	89.86	179.74	10,034.64	-4,398.11	-812.26	4,447.70	0.00	0.00	0.00
14,700.00	89.86	179.74	10,034.88	-4,498.11	-811.80	4,547.36	0.00	0.00	0.00
14,800.00	89.86	179.74	10,035.12	-4,598.11	-811.35	4,647.03	0.00	0.00	0.00
14,900.00	89.86	179.74	10,035.36	-4,698.11	-810.89	4,746.69	0.00	0.00	0.00
15,000.00	89.86	179.74	10,035.61	-4,798.11	-810.44	4,846.36	0.00	0.00	0.00
15,100.00	89.86	179.74	10,035.85	-4,898.10	-809.99	4,946.02	0.00	0.00	0.00
15,200.00	89.86	179.74	10,036.10	-4,998.10	-809.53	5,045.69	0.00	0.00	0.00
15,300.00	89.86	179.74	10,036.35	-5,098.10	-809.08	5,145.35	0.00	0.00	0.00
15,400.00	89.86	179.74	10,036.60	-5,198.10	-808.62	5,245.02	0.00	0.00	0.00
15,500.00	89.85	179.74	10,036.85	-5,298.10	-808.17	5,344.68	0.00	0.00	0.00
15,600.00	89.85	179.74	10,037.11	-5,398.10	-807.72	5,444.35	0.00	0.00	0.00

Oxy

Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 3H
TVD Reference: DATUM @ 3454.10ft
MD Reference: DATUM @ 3454.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,700.00	89.85	179.74	10,037.36	-5,498.10	-807.26	5,544.01	0.00	0.00	0.00
15,800.00	89.85	179.74	10,037.62	-5,598.09	-806.81	5,643.68	0.00	0.00	0.00
15,900.00	89.85	179.74	10,037.88	-5,698.09	-806.36	5,743.34	0.00	0.00	0.00
16,000.00	89.85	179.74	10,038.14	-5,798.09	-805.90	5,843.01	0.00	0.00	0.00
16,100.00	89.85	179.74	10,038.40	-5,898.09	-805.45	5,942.67	0.00	0.00	0.00
16,200.00	89.85	179.74	10,038.67	-5,998.09	-805.00	6,042.34	0.00	0.00	0.00
16,300.00	89.85	179.74	10,038.93	-6,098.09	-804.54	6,142.00	0.00	0.00	0.00
16,400.00	89.85	179.74	10,039.20	-6,198.09	-804.09	6,241.67	0.00	0.00	0.00
16,500.00	89.85	179.74	10,039.47	-6,298.08	-803.64	6,341.33	0.00	0.00	0.00
16,600.00	89.84	179.74	10,039.74	-6,398.08	-803.18	6,441.00	0.00	0.00	0.00
16,700.00	89.84	179.74	10,040.01	-6,498.08	-802.73	6,540.66	0.00	0.00	0.00
16,800.00	89.84	179.74	10,040.28	-6,598.08	-802.28	6,640.33	0.00	0.00	0.00
16,900.00	89.84	179.74	10,040.56	-6,698.08	-801.83	6,739.99	0.00	0.00	0.00
17,000.00	89.84	179.74	10,040.83	-6,798.08	-801.37	6,839.66	0.00	0.00	0.00
17,100.00	89.84	179.74	10,041.11	-6,898.08	-800.92	6,939.32	0.00	0.00	0.00
17,200.00	89.84	179.74	10,041.39	-6,998.07	-800.47	7,038.99	0.00	0.00	0.00
17,300.00	89.84	179.74	10,041.67	-7,098.07	-800.02	7,138.65	0.00	0.00	0.00
17,400.00	89.84	179.74	10,041.95	-7,198.07	-799.56	7,238.32	0.00	0.00	0.00
17,500.00	89.84	179.74	10,042.24	-7,298.07	-799.11	7,337.98	0.00	0.00	0.00
17,600.00	89.84	179.74	10,042.52	-7,398.07	-798.66	7,437.65	0.00	0.00	0.00
17,700.00	89.84	179.74	10,042.81	-7,498.07	-798.21	7,537.31	0.00	0.00	0.00
17,800.00	89.83	179.74	10,043.10	-7,598.07	-797.76	7,636.98	0.00	0.00	0.00
17,900.00	89.83	179.74	10,043.39	-7,698.06	-797.30	7,736.64	0.00	0.00	0.00
18,000.00	89.83	179.74	10,043.68	-7,798.06	-796.85	7,836.31	0.00	0.00	0.00
18,100.00	89.83	179.74	10,043.97	-7,898.06	-796.40	7,935.98	0.00	0.00	0.00
18,200.00	89.83	179.74	10,044.27	-7,998.06	-795.95	8,035.64	0.00	0.00	0.00
18,300.00	89.83	179.74	10,044.56	-8,098.06	-795.50	8,135.31	0.00	0.00	0.00
18,400.00	89.83	179.74	10,044.86	-8,198.06	-795.05	8,234.97	0.00	0.00	0.00
18,500.00	89.83	179.74	10,045.16	-8,298.06	-794.60	8,334.64	0.00	0.00	0.00
18,600.00	89.83	179.74	10,045.46	-8,398.05	-794.15	8,434.30	0.00	0.00	0.00
18,700.00	89.83	179.74	10,045.77	-8,498.05	-793.69	8,533.97	0.00	0.00	0.00
18,800.00	89.83	179.74	10,046.07	-8,598.05	-793.24	8,633.63	0.00	0.00	0.00
18,900.00	89.82	179.74	10,046.38	-8,698.05	-792.79	8,733.30	0.00	0.00	0.00
19,000.00	89.82	179.74	10,046.68	-8,798.05	-792.34	8,832.96	0.00	0.00	0.00
19,100.00	89.82	179.74	10,046.99	-8,898.05	-791.89	8,932.63	0.00	0.00	0.00
19,200.00	89.82	179.74	10,047.30	-8,998.05	-791.44	9,032.29	0.00	0.00	0.00
19,300.00	89.82	179.74	10,047.61	-9,098.04	-790.99	9,131.96	0.00	0.00	0.00
19,400.00	89.82	179.74	10,047.93	-9,198.04	-790.54	9,231.62	0.00	0.00	0.00
19,500.00	89.82	179.74	10,048.24	-9,298.04	-790.09	9,331.29	0.00	0.00	0.00
19,600.00	89.82	179.74	10,048.56	-9,398.04	-789.64	9,430.95	0.00	0.00	0.00
19,700.00	89.82	179.74	10,048.88	-9,498.04	-789.19	9,530.62	0.00	0.00	0.00
19,800.00	89.82	179.74	10,049.20	-9,598.04	-788.74	9,630.28	0.00	0.00	0.00
19,900.00	89.82	179.74	10,049.52	-9,698.04	-788.29	9,729.95	0.00	0.00	0.00
20,000.00	89.81	179.74	10,049.84	-9,798.03	-787.84	9,829.61	0.00	0.00	0.00
20,100.00	89.81	179.74	10,050.17	-9,898.03	-787.39	9,929.28	0.00	0.00	0.00
20,200.00	89.81	179.74	10,050.49	-9,998.03	-786.94	10,028.94	0.00	0.00	0.00
20,300.00	89.81	179.74	10,050.82	-10,098.03	-786.49	10,128.61	0.00	0.00	0.00
20,354.98	89.81	179.74	10,051.00	-10,153.01	-786.25	10,183.40	0.00	0.00	0.00

Oxy

Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 3H
TVD Reference: DATUM @ 3454.10ft
MD Reference: DATUM @ 3454.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
PLATINUM_3H_KOP - plan hits target center - Point	0.00	0.01	9,453.04	345.31	-833.93	461,708.18	715,915.04	32° 16' 4.971527 N	103° 46' 6.646355
PLATINUM_3H_BHL - plan hits target center - Point	0.00	0.00	10,051.00	-10,153.01	-786.25	451,210.47	715,962.72	32° 14' 21.088575 N	103° 46' 6.734249

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,834.00	3,834.00	0.00	0.00	STEP OUT DLS 2.00
4,334.12	4,331.58	16.66	-40.23	HOLD 10 DEG TANGENT
9,029.36	8,955.46	328.65	-793.70	DROP BACK TO VERTICAL DLS 2.00
9,529.48	9,453.04	345.31	-833.93	BUILD CURVE 10 DEG / 100
10,428.48	10,026.00	-226.64	-831.31	LANDING POINT
20,354.98	10,051.00	-10,153.01	-786.25	TD at 20354.98



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: PLATINUM MDP1 34-3 FED COM
Well: PLATINUM MDP1 34-3 FED COM 3H
Wellbore: WB00
Design: Permitting Plan

WELL DETAILS: PLATINUM MDP1 34-3 FED COM 3H

+N/-S
0.00

+E/-W
0.00

Northing
461362.89

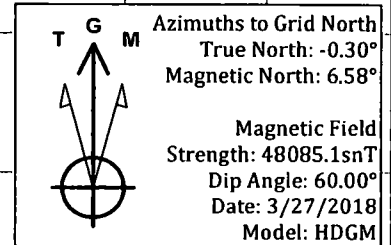
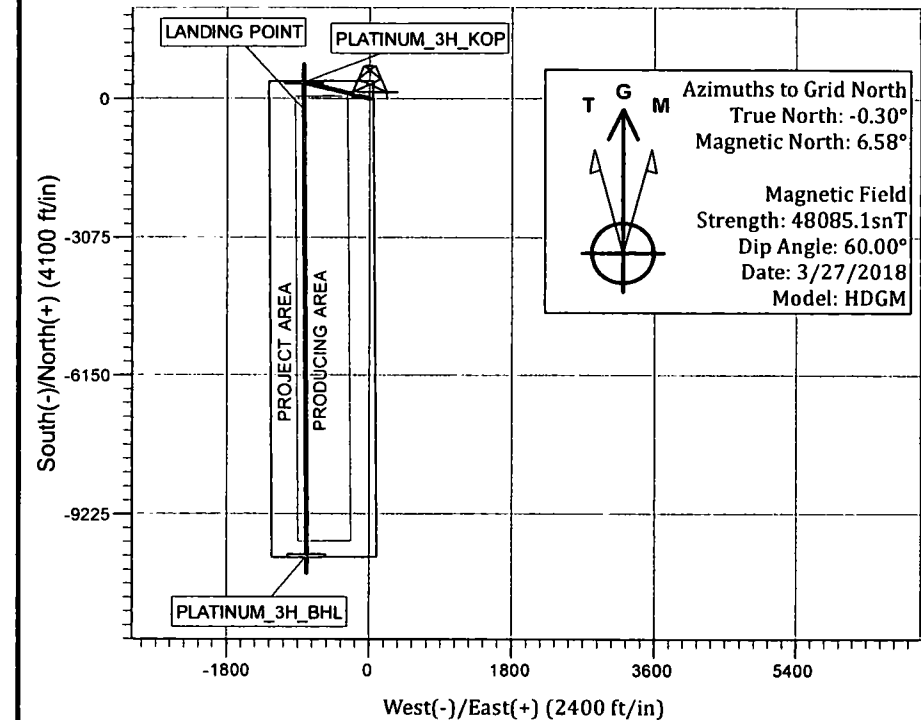
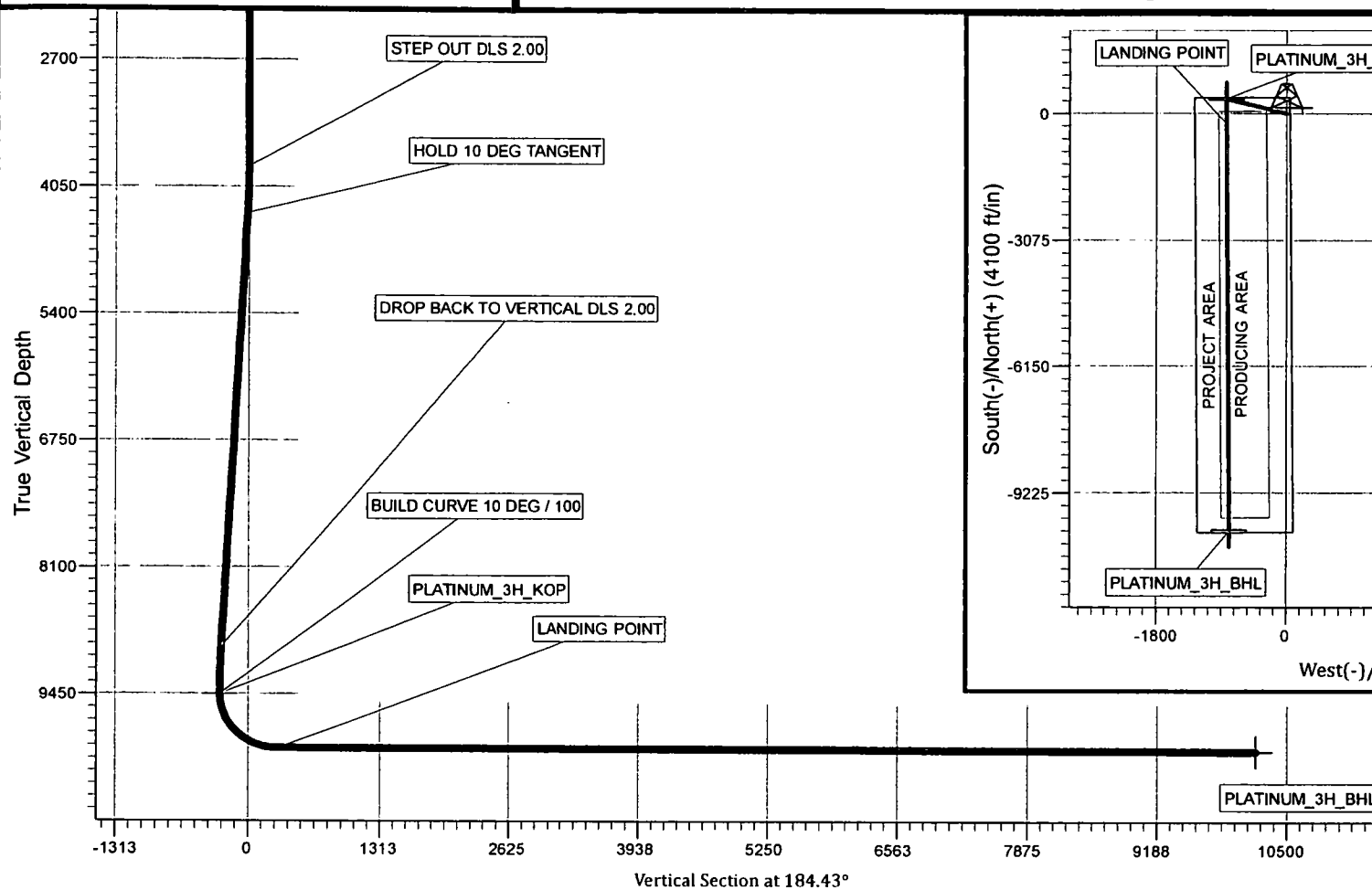
Ground Level: 3427.60

Easting
716748.92

Latitude
32° 16' 1.511172 N

Longitude
103° 45' 56.955595 W

DATUM @ 3454.10ft



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

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	3834.00	0.00	0.00	3834.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	4334.12	10.00	292.49	4331.58	16.66	-40.23	2.00	292.49	-13.50		HOLD 10 DEG TANGENT
4	9029.36	10.00	292.49	8955.46	328.65	-793.70	0.00	0.00	-266.39		DROP BACK TO VERTICAL DLS 2.00
5	9529.48	0.00	179.74	9453.04	345.31	-833.93	2.00	180.00	-279.89		BUILD CURVE 10 DEG / 100
6	10428.48	89.90	179.74	10026.00	-226.64	-831.31	10.00	179.74	290.15		LANDING POINT
7	20354.98	89.81	179.74	10051.00	-10153.01	-786.25	0.00	176.60	10183.40		TD at 20354.98

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	OXY USA INCORPORATES
LEASE NO.:	NMNM 043744
WELL NAME & NO.:	3H-Platinum MDP1 34-3 FED
SURFACE HOLE FOOTAGE:	400'/N & 968'/E
BOTTOM HOLE FOOTAGE:	180'/S & 2200'/W
LOCATION:	T-23S, R-31E, S-34. NMPM
COUNTY:	EDDY, NM

Potash	☐ None	☐ Secretary	☒ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP

All previous COAs still apply except for the following:

A. CASING

Second intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

1. The minimum required fill of cement behind the 7 5/8 inch second intermediate casing is:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

Operator has proposed to pump down 9 5/8" X 7 5/8" annulus. Operator must run a CBL from TD of the 7 5/8" casing to surface.

MHH 11072018

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)

☒ Chaves and Roosevelt Counties

Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.

During office hours call (575) 627-0272.

After office hours call (575)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

(575) 361-2822

☒ Lea County

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

393-3612

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.
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.

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.