3001546046-00

OXY

PRD NM DIRECTIONAL PLANS (NAD 1983) PLATINUM MDP1 34-3 FED COM PLATINUM MDP1 34-3 FED COM 177H

Wellbore #1

Plan: Permitting Plan

Standard Planning Report

20 May, 2019

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 177H

Wellbore: Wellbore #1 Permitting Plan Design:

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 177H
TVD Reference: RKB=26.5' @ 3453.40ft MD Réference: RKB=26.5' @ 3453.40ft

Grid

Minimum Curvature

PRD NM DIRECTIONAL PLANS (NAD 1983) Project ...

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983

New Mexico Eastern Zone

System Datum:

North Reference:

Survey Calculation Method

Using geodetic scale factor

PLATINUM MDP1 34-3 FED COM

Site Position:

Northing:

From:

Мар

Easting:

714,923.95 usft

Slot Radius:

Longitude:

103° 46' 18.211063 W

Position Uncertainty:

50.00 ft

13.200 in

Grid Convergence:

0.30

PLATINUM MDP1 34-3 FED COM 177H

Well Position

190.25 ft

Northing:

103° 45' 57.363455 W

+E/-W 1,789.10 ft Easting: 716,712.95 usft Longitude: 2.00 ft Wellhead Elevation: 0.00 ft Ground Level: 3.426.90 ft **Position Uncertainty**

Wellbore Wellbore #1

Model Name

HDGM 5/20/2019 59.97

Audit Notes:

Version: Phase: **PROTOTYPE**

Tie On Depth:

0.00

Vertical Section: (TVD)

+N/-S

...... Direction

Plan Sections Measured Depth inclination Azimuth (it) E/W Rate (ft) (7/100ft) (°/100ft) (ft), x MAKE THE 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3,720.00 0.00 0.00 3,720.00 0.00 0.00 0.00 0.00 0.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 2.00 2.00 0.00 309.45 309.45 -859.50 0.00 0.00 0.00 0.00 10,377.81 10.00 10,281.67 707.31 179.74 2.00 -14.34 -154.52 11,282.35 10.00 11,179.94 678.46 -920.31 0.00 0.00 FTP (Platinum 12,081.80 89.95 179.74 11,653.40 114.76 -917.73 10.00 10.00 0.00 0.00 PBHL (Platinum 22,530.34 89.95 179.74 11,663.40 -10,333.68 -869.94 0.00 0.00 0.00

Оху

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 177H
Wellbore: Wellbore #1
Design: Permitting Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well PLATINUM MDP1 34-3 FED COM 177H
RKB=26.5' @ 3453.40ft
RKB=26.5' @ 3453.40ft
Grid
Minimum Curvature

	PRINCE MARKETONIA	Sul Aldrewson or more residence	Market and the state of the sta		o. on more additionalist.	المشاخفة سالمعات تبداده	CALLERY WAS LATENCE	وور دود دفع المروسات		and a second companies of the second
New York Part Par	Planned Survey	The same	THE STATE OF THE	r india ta kalenda yakir ili sunaki	. Made of Tanamato's an	WAR THE WILLS X LINE	KING KAPALANTAWA P	an parameter and any of the	reseas en arangemars en and	Control with the parties and the control of
New York Color C	57777 X 万万万元	LANG A PER CONTROL	Wilder Com-	RESIDENT COM	MET HISTORY	AND STATES	ELITERICIZE FORF	· 1000年,1000年,1000年	CONTRACTOR STORY	OBSTRUKTING (
Peter	Lancia Professional Commence		A. "我们就会说		。 《《《《·································	a	Ex. digital	为数量10分	31(345)	
(19)	Measured	2000年11月1日 11月1日 1	AS ALL YOUR	Vertical V	中最上海上海	19 10 10 10 10 10 10 10 10 10 10 10 10 10	-Vertical, ⊬ -	:⊪Dögleg _{en} ⊬		
(19)	Depth	inclination	Azimuth	Depth 💎	+N/-S	+E/-Wats	Section 🗼	.,∢Rate∴	Rate	Rate
100	50 / 是 (ft)。第	公司,中华西亚 尔特	· 4 7 1617 18 4	(ft) 3-3-5	(ft)	761X	(ft) 25%	(°/100ft)	*(°/100ft)**	(°/100ft)
0.00	· 中国	2018年中国中国组织		at 1994 Andle	Carl State 1		· 原 · · · · · · · · · · · · ·	化心脏 器	为"1克"是"种"等	
100.00	i		0.00	0.00						0.00
200.00										
300.00	i e									
400.00	1									i i
\$00.00	l .									
600.00	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	500.00	1 000	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	l									
800.00 0.00 0.00 0.00 800.00 0.00 0.00		0.00								
\$00.00										
1,000,00										
1.100.00	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1.100.00	1 000 00	0.00		1 000 00	0.00	0.00	0.00	0.00	0.00	0.00
1.200.00	'									
1,300.00										
1,400.00										
1,500.00										
1,600,00 0.00 0.00 1,600,00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1,400.00	0.00	0.00	1,400.00	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 0.	4 500 00		0.00	1 500 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 0.										
1,800,00 0,00 0,00 1,800,00 0,00 0,00 0,				•						
1,900.00 0.00 1,900.00 0.00 0.00 0.00 0.00 0.00 0.00 0.										
2,000.00 0.00 0.00 2,000.00 0.00			0.00		0.00	0.00	0.00	0.00	0.00	0.00
2,100.00 0.00 0.00 2,200.00 0.00	1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00 0.00 0.00 2,200.00 0.00	2 000 00	0.00	0.00	2 000 00	0.00	0.00	0.00	0.00	0.00	, ,
2 200 00 0.00 0.00 2.200.00 0.00										
2,300.00 0.00 0.00 2,400.00 0.00										
2,400.00 0.00 0.00 2,400.00 0.00										
2,500.00										
2,600.00 0.00 0.00 2,600.00 0.00	2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00 0.00 0.00 2,600.00 0.00	2 500 00	0.00	0.00	a soó oo	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00 0.00 0.00 2,700.00 0.00										
2,800.00 0.00 0.00 2,800.00 0.00	l '									
2,900.00 0.00 0.00 0.00 2,900.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	l '								4	
3,000.00 0.00 0.00 3,000.00 0.00 0.00 0.									0.00	
3,100.00 0.00 0.00 3,100.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	2,900.00	0.00	0.00	2,900.00	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 0.	3 000 00	0.00	0.00	2 000 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	l '									
3,300.00 0.00 0.00 3,300.00 0.00	1									
3,400.00 0.00 0.00 3,400.00 0.00										
3,500.00 0.00 0.00 3,500.00 0.00 0.00 0.00 0.00 0.00 0.00 0.										
3,600.00	3,400.00	0.00 د	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	3 500 00	0.00	በ በበ	3 500 00	, 0.00	0.00	0.00	0.00	0.00	በ በባ
3,700.00 0.00 0.00 3,700.00 0.00										
3,720.00 0.00 0.00 3,720.00 0.00										
3,800.00 1.60 309.45 3,799.99 0.71 -0.86 -0.63 2.00 2.00 0.00 3,900.00 3.60 309.45 3,899.88 3.59 -4.37 -3.21 2.00 2.00 0.00 4,000.00 5.60 309.45 3,999.55 8.69 -10.56 -7.77 2.00 2.00 0.00 4,100.00 7.60 309.45 4,098.89 15.99 -19.43 -14.30 2.00 2.00 0.00 4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26	l '									
3,900.00 3.60 309.45 3,899.88 3.59 -4.37 -3.21 2.00 2.00 0.00 4,000.00 5.60 309.45 3,999.55 8.69 -10.56 -7.77 2.00 2.00 0.00 4,100.00 7.60 309.45 4,098.89 15.99 -19.43 -14.30 2.00 2.00 0.00 4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 <th></th>										
4,000.00 5.60 309.45 3,999.55 8.69 -10.56 -7.77 2.00 2.00 0.00 4,100.00 7.60 309.45 4,098.89 15.99 -19.43 -14.30 2.00 2.00 0.00 4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.0	3,800.00	1.60	309.45	3,799.99	0.71	-0.86	-0.63	2.00	2.00	0.00
4,000.00 5.60 309.45 3,999.55 8.69 -10.56 -7.77 2.00 2.00 0.00 4,100.00 7.60 309.45 4,098.89 15.99 -19.43 -14.30 2.00 2.00 0.00 4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.0	3 900 00	3.60	309 45	3,899,88	3.59	-4 37	-3 21	2 00	2.00	0.00
4,100.00 7.60 309.45 4,098.89 15.99 -19.43 -14.30 2.00 2.00 0.00 4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,800.00 10.00 309.45 4,887.13 102.71 -124.81				,						
4,200.00 9.60 309.45 4,197.76 25.49 -30.98 -22.80 2.00 2.00 0.00 4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,800.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,886.61 113.75 -138.22 <										
4,220.14 10.00 309.45 4,217.61 27.67 -33.63 -24.75 2.00 2.00 0.00 4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22										
4,300.00 10.00 309.45 4,296.25 36.49 -44.34 -32.64 0.00 0.00 0.00 4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00										
4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00	4,220.14	10.00	309.45	4,217.61	27.67	-33,63	-24.75	2.00	2.00	0.00
4,400.00 10.00 309.45 4,394.73 47.52 -57.75 -42.51 0.00 0.00 0.00 4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00	4 300 00	10.00	309 45	4 296 25	36 49	-44 34	-32 64	0.00	በ በበ	0.00
4,500.00 10.00 309.45 4,493.21 58.56 -71.16 -52.38 0.00 0.00 0.00 4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00	· ·									
4,600.00 10.00 309.45 4,591.69 69.60 -84.57 -62.26 0.00 0.00 0.00 4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00										
4,700.00 10.00 309.45 4,690.17 80.63 -97.98 -72.13 0.00 0.00 0.00 4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00										
4,800.00 10.00 309.45 4,788.65 91.67 -111.40 -82.00 0.00 0.00 0.00 4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00										
4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00	4,700.00	10.00	309.45	4,690.17	80.63	-97.98	-72.13	0.00	0.00	0.00
4,900.00 10.00 309.45 4,887.13 102.71 -124.81 -91.88 0.00 0.00 0.00 5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00	4 800 00	10.00	300 45	A 722 SE	01.67	.111 40	_ຂວ ກາ	0.00	0.00	0.00
5,000.00 10.00 309.45 4,985.61 113.75 -138.22 -101.75 0.00 0.00 0.00										
5,700.00 10.00 309.45 5,084.09 124.78 -151.63 -111.62 0.00 0.00 0.00										
	5,100.00	10.00	309.45	5,084.09	124.78	-151.63	-111.62	0.00	0.00	0.00

Оху

Planning Report

HOPSPP

ENGINEERING DESIGNS

Database: Company Project: Site: Well Wellbore: PRD NM DIRECTIONAL PLANS (NAD 1983) PLATINUM MDP1 34-3 FED COM

PLATINUM MDP1 34-3 FED COM 177H

Wellbore: PEATINOM MD
Wellbore #1
Design: Permitting Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference;
Survey Calculation Method:

Well PLATINUM MDP1 34-3 FED COM 177H

RKB=26.5' @ 3453.40ft RKB=26.5' @ 3453.40ft

Grid

Minimum Curvature

Design:		- the same substitution of	minerare shapement in a trace of			Lucidia.	edelining in the man		, in the second second second
Planned Survey 😘 🗒	arugostoruumtaysta . 1	n em elakerskerstelliker i koak	THE STREET, STREET, ST.	ment mit til till trædbeski.	ACM KAND TO FE SEE	LANGE LEAVE COMME	ati kik tareatrijasia, 245	in la ut — paker hir bilkababir in	er i i ti operazioni ti ti ta ciri di .
		高. 李 李.	要的影響的	护机事的			ELECTION OF THE PERSON OF T	阿里阿里 特	
Measured	ination	(1) 地震的	Vertical 🖖		## £ / \$?		Dogleg _{eli} i =	Búild A	Turn
Depth	ination	Azimuth 🚎	Depth :	+N/-S	+E/-W	Section, Fr.	Rate.	Rate	Rate
11 1 (m) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(1)	**(*)*****	(ft)	(ft)	(ft)	(ft)	(°/100ft) 👫 🚉	(°/100ft)	(°/100ft)
5,200.00	10.00	309.45	5,182.57	135.82	-165.05	-121.50	0.00	0.00	0.00
5,300.00	10.00	309.45	5,281.05	146.86	-178.46	-131.37	0.00	0.00	0.00
5,400.00	10.00	309.45	5,379.53	157.90	-191.87	-141.24	0.00	0.00	0.00
5,500.00	10.00	309.45	5,478.01	168.93	-205.28	-151.12	0.00	0.00	0.00
5,600.00	10.00	309.45	5,576.49	179.97	-218.69	-160.99	0.00	0.00	0.00
5,700.00	10.00	309.45	5,674.97	191.01	-232,11	-170.86	0.00	0.00	0.00
5,800.00	10.00	309.45	5,773.45	202.05	-245.52	-180.74	0.00	0.00	0.00
5,900.00	10.00	309.45	5,871.93	213.08	-258.93	-190.61	0.00	0.00	0.00
6,000.00 6,100.00	10.00 10.00	309.45 309.45	5,970.41 6,068.89	224.12 235.16	-272.34 -285.75	-200.48 -210.36	0.00 0.00	0.00 0.00	0.00 0.00
6,200.00	. 10.00	309.45	6,167.37	246.19	-203.73	-220.23	0.00	0.00	0.00
6,300.00 6,400.00	10.00 10.00	309.45 309.45	6,265.85 6,364.33	257.23 268.27	-312.58 -325.99	-230.10 -239.98	0.00 0.00	0.00 0.00	0.00 · 0.00
6,500.00	10.00	309.45	6,462.81	279.31	-339.40	-249.85	0.00	0.00	0.00
6,600.00	10.00	309.45	6,561.29	290.34	-352.81	-259.72	0.00	0.00	0.00
6,700.00	10.00	309.45	6,659.77	301.38	-366.23	-269.60	0.00	0.00	0.00
6,800.00	10.00	309.45	6,758.25	312.42	-379.64	-279.47	0.00	0.00	0.00
6,900.00	10.00	309.45	6,856.73	323.46	-393.05	-289.34	0.00	0.00	0.00
7,000.00	10.00	309.45	6,955.21	334.49	-406.46	-299.22	0.00	0.00	0.00
7,100.00	10.00 10:00	309.45 309.45	7,053.69 7,152.17	345.53 356.57	-419.88 -433.29	-309.09 -318.96	. 0.00	0.00 0.00	0.00
7,200.00							0.00		0.00
7,300.00	10.00	309.45	7,250.65	367.60	-446.70	-328.84	0.00	0.00	0.00
7,400.00 7,500.00	10.00 10.00	309.45 309.45	7,349.13 7,447.61	378.64 389.68	-460.11 -473.52	-338.71 -348.58	0.00 0.00	0.00 0.00	0.00 0.00
7,600.00	10.00	309.45	7,546.09	400.72	-473.52 -486.94	-358.46	0.00	0.00	0.00
7,700.00	10.00	309.45	7,644.57	411.75	-500.35	-368.33	0.00	0.00	0.00
7,800.00	10.00	309.45	7,743.05	422.79	-513.76	-378.20	0.00	. 0.00	0.00
7,900.00	10.00	309.45	7,841.53	433.83	-527,17	-388.08	0.00	0.00	0.00
8,000.00	10.00	309.45	7,940.01	444.87	-540.58	-397.95	0.00	0.00	0.00
8,100.00	10.00	309.45	8,038.49	455.90	-554.00	-407.82	0.00	0.00	0.00
8,200.00	10.00	309.45	8,136.97	466.94	-567.41	-417.70	0.00	0.00	. 0.00
8,300.00	10.00	309.45	8,235.45	477.98	-580.82	-427.57	0.00	0.00	0.00
8,400.00	10.00	309.45	8,333.93	489.02	-594.23	-437.44	0.00	0.00	0.00
8,500.00 8,600.00	10.00 10.00	309.45 [,] 309.45	8,432.41 8,530.89	500.05 511.09	-607.65 -621.06	-447.32 -457.19	0.00 0.00	0.00 0.00	0.00 0.00
8,700.00	10.00	309.45	8,629.37	522.13	-634.47	-467.06	0.00	0.00	0.00
8.800.00	10.00	309.45	8,727.85	533.16	-647.88	-476.94	0.00	0.00	0.00
8.900.00	10.00	309.45	8,826.33	544.20	-661.29	-486.81	0.00	0.00	0.00
9,000.00	10.00	309.45	8,924.81	555.24	-674.71	-496.68	0.00	0.00	0.00
9,100.00	10.00	309.45	9,023.29	566.28	-688.12	-506.56	0.00	0.00	0.00
9,200.00	10.00	309.45	9,121.77	577.31	-701.53	-516.43	0.00	0.00	0.00
9,300.00	10.00	309.45	9,220.24	588.35	-714.94	-526.30	0.00	0.00	0.00
9,400.00	10.00	309.45	9,318.72	599.39	-728.35	-536.18	0.00	0.00	0.00
9,500.00	10.00	309.45	9,417.20	610.43	-741.77 755.19	-546.05	0.00	0.00	0.00
9,600.00 9,700.00	10.00 10.00	309.45 309.45	9,515.68 9,614.16	621.46 632.50	-755.18 -768.59	-555.92 -565.80	0.00 0.00	0.00 0.00	0.00 0.00
9,800.00 9,900.00	10.00 10.00	309.45 309.45	9,712.64 9,811.12	643.54 654.57	-782.00 -795.42	-575.67 -585.54	0.00 0.00	0.00 0.00	0.00 0.00
10,000.00	10.00	309.45	9,909.60	665.61	-795.42 -808.83	-505.54 -595.42	0.00	0.00	0.00
10,100.00	10.00	309.45	10,008.08	676.65	-822.24	-605.29	0.00	0.00	0.00
10,200.00	10.00	309.45	10,106.56	687.69	-835,65	-615.16	0.00	0.00	0.00
10,300.00	10.00	309.45	10,205.04	698.72	-849.06	-625.04	0.00	0.00	0.00
10,377.81	10.00	309.45	10,281.67	707.31	-859.50	-632.72	0.00	0.00	0.00
10,400.00	9.60	308.31	10,303.54	709.68	-862.44	-634.84	2.00	-1.80	-5:16

Oxy

Planning Report

HOPSPP

ENGINEERING DESIGNS

PRD NM DIRECTIONAL PLANO
PLATINUM MDP1 34-3 FED COM RPD NM DIRECTIONAL PLANS (NAD 1983)

PLATINUM MDP1 34-3 FED COM 177H

Database HOPSPP
Company ENGINEERING
Project: PRD NM DIREC
Site: PLATINUM MDF
Well: PLATINUM MDF
Wellbore: Wellbore #1
Design: Permitting Plan

Local Co-ordinate Reference: Well PLATINUM MDP1 34-3 FED COM 177H
TVD Reference: RKB=26.5' @ 3453.40ft
MD)Reference: RKB=26.5' @ 3453.40ft
Grid
Survey, Calculation Method: Minimum Curvature.

Person Survey Person P	Design:	ermitting Plan			A PROPERTY OF		第二条 图表表	***************************************		رفداه وساسته فساسرت
	Plannod Suprov	g standerstate to the	www.draming C	derardade responder da suc	e, en amoranamente	eliane, ni ni kongrisa, rain.	and the extra literature.	1.816 (AMERICAN PR	greatissipping and action	William and Automorphisms
10,500,00	riaillieu Survey		resiliatio	MALLASASAS	STANGER FRANCES		NAMES OF STREET	ME WATER	FFWATER	e e more come e
10,500,00			"""院"大型企作	CALL SALT	全工工业工工程 。		4. 治路域中,		建筑公司 证证	The State of the S
10,500,00	Measured	建工机工工		vertical	Section 19		Vertical	Dogleg	Build	Turn the Charle
10,500,00	Deptn Mind	clination 🧢 🔏	Azimuth	"Thebtu"	+N/-S	##E/-W	JOECHOIT (SEE)	ALICALE AND	Rate 1	Rate
10,500,00		4 (°) / (*) 2 (°)	*(°) ***		2。(ft) 特别的	(ft) 35 to 1	(11)	(*/100ft)		(*/100ft)
10,600.00 6.29 231.73 10,501.61 724.09 -885.71 -847.24 2.00 -1.58 -1.02 10,700.00 5.01 275.91 10,801.00 4.23 225.61 10,700.81 725.88 -903.09 -4.47.77 2.00 -0.59 -233.0 10,900.00 4.51 226.52 10,800.52 722.65 -909.54 -643.21 2.00 -0.59 -233.0 11,000.00 6.47 206.13 10,900.15 715.07 -914.49 -595.84 2.00 0.96 -20.39 11,100.00 6.47 206.13 10,900.15 715.07 -914.49 -595.84 2.00 0.96 -20.39 11,100.00 6.84 195.22 10,980.67 691.70 -914.99 -955.84 2.00 1.42 -13.20 11,200.00 8.54 195.22 11,179.94 678.66 -969.13 -598.86 2.00 1.42 -13.20 11,200.00 8.54 195.22 11,179.94 678.66 -969.23 -598.65 10,00 10,00 0.00 11,000.00 11,77 717.4 11,179.94 678.66 -969.23 -598.54 10,00 10,00 0.00 11,400.00 21,77 718.74 11,192.27 675.12 -920.29 -598.54 10,00 10,00 0.00 11,600.00 31,77 718.74 11,382.07 601.34 -919.86 -522.05 10,00 10,00 0.00 11,600.00 41,77 718.74 11,824.63 48.80 -919.86 -522.05 10,00 10,00 0.00 11,800.00 51,77 718.74 11,824.63 293.49 -918.86 -390.03 10,00 10,00 0.00 11,800.00 81,77 718.74 11,824.63 293.49 -918.86 -390.03 10,00 10,00 0.00 11,800.00 81,77 718.74 11,824.63 293.49 -918.66 -522.05 10,00 10,00 0.00 12,000.00 81,77 718.74 11,824.63 293.49 -918.65 -918.22 10,00 10,00 0.00 12,000.00 81,77 718.74 11,824.63 293.49 -918.65 -918.22 10,00 10,00 0.00 12,000.00 81,77 718.74 11,824.63 293.49 -918.65 -918.22 -10.00 10,00 0.00 12,000.00 81,77 718.74 11,824.63 293.49 -918.65 -918.22 -10.00 0.00 0.00 12,000.00 89.95 778.74 11,824.85 293.49 -918.65 -918.22 -10.00 0.00 0.00 12,000.00 89.95 778.74 11,853.69 -918.65 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -918.55 -										litatilik da litat ak
10,700,00										
10,800.00	10,600.00	6.29	291.73	10,501.61	724.09	-885.71	-647.24	2.00	-1.58 ·	-10.02
10,800.00	10.700.00	5.01	275.91	10.601.13	726.56	-895.14	-648.91	2.00	-1.27	-15.82
11,000.00 5.47 206.13 10,900.52 722.05 -909.54 -843.21 2.00 0.18 -26.09 11,000.00 5.47 206.13 10,900.15 776.97 -176.97 -144.9 -635.84 2.00 1.20 1.42 -13.20 11,000.00 8.69 129.33 10,999.57 704.95 -917.93 -925.47 2.00 1.42 -13.20 11,000.00 8.54 184.52 11,998.67 704.95 -917.93 -925.47 2.00 1.42 -13.20 11,000.00 8.54 184.52 11,008.67 8.66 920.31 -598.86 2.00 1.77 -5.80 11,300.00 11,77 179.74 11,179.94 678.46 920.31 -598.86 2.00 1.77 -5.80 11,300.00 11,77 179.74 11,292.00 646.31 -920.16 -566.85 10.00 10.00 0.00 11,500.00 31.77 179.74 11,282.00 646.31 -920.16 -566.85 10.00 10.00 0.00 11,500.00 31.77 179.74 11,282.00 646.31 -920.16 -566.85 10.00 10.00 0.00 11,500.00 11,500.00 11,79 14,79 14,79 14,79 14,79 14,79 14,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79 14,79 15,79	·									
11,000.00		4.51								
11,100.00	.,									
11 1200.00										
11,282,35										
11,300.00	,									
11,400,00	·									
11,500.00	·									
11,600,00										
11,700,00	11,500.00	31.77	179.74	11,382.07	601.34	-919.96	-522.05	10.00	10.00	0.00
11,700,00	11 600 00	41 77	179 74	11 462 08	541.56	-919 69	-462 50	10.00	10.00	0.00
11,800,00 61,77 179,74 11,652,23 385,26 918,98 308,82 10,00 10,00 0.00 12,000,00 81,77 179,74 11,647,48 196,27 918,12 -118,56 10,00 10,00 0.00 12,000,00 81,77 179,74 11,637,49 196,27 918,12 -118,56 10,00 10,00 0.00 12,000,00 89,95 179,74 11,653,42 96,55 917,65 -19,24 0.00 0.00 0.00 0.00 12,200,00 89,95 179,74 11,653,61 -103,44 916,73 179,88 0.00 0.00 0.00 0.00 12,200,00 89,95 179,74 11,653,51 -3,45 917,19 80,37 0.00 0.00 0.00 0.00 12,400,00 89,95 179,74 11,653,51 -34,5 916,28 279,59 0.00 0.00 0.00 0.00 12,500,00 89,95 179,74 11,653,50 -303,44 916,28 279,59 0.00 0.00 0.00 0.00 12,500,00 89,95 179,74 11,653,90 -403,44 916,28 279,59 0.00 0.00 0.00 0.00 12,500,00 89,95 179,74 11,653,90 -403,44 915,36 478,80 0.00 0.00 0.00 0.00 12,200,00 89,95 179,74 11,653,90 -503,44 916,36 478,80 0.00 0.00 0.00 0.00 12,200,00 89,95 179,74 11,653,90 -503,44 914,91 578,41 0.00 0.00 0.00 12,200,00 89,95 179,74 11,653,90 -503,44 914,91 578,41 0.00 0.00 0.00 12,200,00 89,95 179,74 11,654,99 -503,44 914,91 578,41 0.00 0.00 0.00 12,200,00 89,95 179,74 11,654,79 -503,44 913,99 777,63 0.00 0.00 0.00 13,100,00 89,95 179,74 11,654,77 -903,44 913,99 777,63 0.00 0.00 0.00 13,100,00 89,95 179,74 11,654,77 -903,44 913,99 777,63 0.00 0.00 0.00 13,100,00 89,95 179,74 11,654,77 -903,44 913,99 777,63 0.00 0.00 0.00 13,100,00 89,95 179,74 11,654,77 -903,44 913,99 777,63 0.00 0.00 0.00 13,400,00 89,95 179,74 11,654,67 -1,003,43 912,62 10,764,5 0.00 0.00 0.00 13,400,00 89,95 179,74 11,654,76 1,003,43 912,62 10,764,5 0.00 0.00 0.00 13,400,00 89,95 179,74 11,654,76 1,003,43 912,62 10,764,5 0.00 0.00 0.00 13,500,00 89,95 179,74 11,654,76 1,003,43 912,62 10,764,5 0.00 0.00 0.00 0.00 13,500,00 89,95 179,74 11,654,76 1,003,43 912,62 10,764,76 0.00 0.00 0.00 0.00 13,500,00 89,95 179,74 11,655,67 1,003,43 912,62 1,775,67 0.00 0.00 0.00 0.00 13,500,00 89,95 179,74 11,655,67 1,003,43 910,79 1,474,88 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	11 700 00									
11,900,00										
12,000,00 81,77 179,74 11,637,49 196,27 918,12 -118,56 10,00 10,00 0,00 12,000,00 89,95 179,74 11,653,42 96,55 -917,65 -19,24 0,00 0,00 0,00 0,00 12,200,00 89,95 179,74 11,653,42 96,55 -917,65 -19,24 0,00 0,00 0,00 0,00 12,200,00 89,95 179,74 11,653,51 -3,45 -917,19 80,37 0,00 0,00 0,00 0,00 12,400,00 89,95 179,74 11,653,51 -3,45 -916,28 279,59 0,00 0,00 0,00 0,00 12,400,00 89,95 179,74 11,653,80 -303,44 -916,28 279,59 0,00 0,00 0,00 0,00 12,500,00 89,95 179,74 11,653,90 -403,44 -915,36 478,80 0,00 0,00 0,00 0,00 12,500,00 89,95 179,74 11,653,90 -503,44 -915,36 478,80 0,00 0,00 0,00 0,00 12,200,00 89,95 179,74 11,654,99 -503,44 -914,91 578,41 0,00 0,00 0,00 12,200,00 89,95 179,74 11,654,99 -503,44 -914,91 578,41 0,00 0,00 0,00 12,200,00 89,95 179,74 11,654,99 -503,44 -914,95 678,02 0,00 0,00 0,00 0,00 12,200,00 89,95 179,74 11,654,99 -503,44 -914,95 678,02 0,00 0,00 0,00 0,00 13,100,00 89,95 179,74 11,654,97 -603,44 -914,95 678,02 0,00 0,00 0,00 0,00 13,100,00 89,95 179,74 11,654,97 -903,44 -913,98 977,63 0,00 0,00 0,00 0,00 13,100,00 89,95 179,74 11,654,77 -1,003,43 -912,16 1,000 0,00 0,00 0,00 0,00 13,200,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,400,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,67 -1,103,43 -912,16 1,176,06 0,00 0,00 0,00 0,00 0,00 0,00 0,00										
12,081.80										
12,100,00 89,95 179,74 11,653,42 98,55 -917,65 -19,24 0,00 0,00 0,00 12,200,00 89,95 179,74 11,653,51 -3,45 -917,19 8,077 0,00 0,00 0,00 0,00 12,300,00 89,95 179,74 11,653,61 -103,44 -916,73 179,98 0,00 0,00 0,00 0,00 12,400,00 89,95 179,74 11,653,00 -303,44 -916,28 279,59 0,00 0,00 0,00 0,00 12,600,00 89,95 179,74 11,653,00 -303,44 -916,82 379,20 0,00 0,00 0,00 0,00 12,600,00 89,95 179,74 11,653,00 -303,44 -915,36 478,80 0,00 0,00 0,00 0,00 12,600,00 89,95 179,74 11,654,99 -603,44 -914,45 678,02 0,00 0,00 0,00 0,00 12,600,00 89,95 179,74 11,654,99 -603,44 -914,45 678,02 0,00 0,00 0,00 0,00 13,000,00 89,95 179,74 11,654,18 -703,44 -913,53 877,24 0,00 0,00 0,00 0,00 13,000,00 89,95 179,74 11,654,37 -903,44 -913,03 877,24 0,00 0,00 0,00 0,00 13,200,00 89,95 179,74 11,654,37 -903,44 -913,03 877,24 0,00 0,00 0,00 0,00 13,200,00 89,95 179,74 11,654,37 -903,44 -913,03 877,24 0,00 0,00 0,00 0,00 13,200,00 89,95 179,74 11,654,37 -903,44 -913,08 876,24 0,00 0,00 0,00 0,00 13,200,00 89,95 179,74 11,654,47 -1,003,43 -912,62 1,076,45 0,00 0,00 0,00 0,00 13,400,00 89,95 179,74 11,654,65 1-1,003,43 -912,62 1,076,45 0,00 0,00 0,00 0,00 13,400,00 89,95 179,74 11,654,65 1-1,303,43 -911,70 1,275,67 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,65 1-1,303,43 -911,70 1,275,67 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,65 1-1,303,43 -911,70 1,275,67 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,85 1-1,303,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,85 1-1,303,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 13,600,00 89,95 179,74 11,654,85 1-1,303,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 13,900,00 89,95 179,74 11,654,85 1-1,303,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 13,900,00 89,95 179,74 11,655,14 1,703,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 13,900,00 89,95 179,74 11,655,14 1,703,43 -910,79 1,474,88 0,00 0,00 0,00 0,00 0,00 14,400,00 89,95 179,74 11,655,14 1,703,43 -910,89 1,773,71 0,00 0,00 0,00 0,00 0,00 14,400,00 89,95 179,74 11,655,51 2,203,42 -905,66 2,570,57 0,00 0,00 0,00 0,00 0,00 14,400,00										
12,200,00	,									
12,300,00 89,95 179,74 11,653,61 -103,44 -916,28 279,59 0.00 0.00 0.00 0.00 12,400,00 89,95 179,74 11,653,70 -203,44 -916,28 279,59 0.00 0.00 0.00 0.00 12,600,00 89,95 179,74 11,653,90 -403,44 -915,82 379,20 0.00 0.00 0.00 0.00 12,600,00 89,95 179,74 11,653,99 -503,44 -914,91 578,41 0.00 0.00 0.00 0.00 12,600,00 89,95 179,74 11,654,09 -603,44 -914,91 578,41 0.00 0.00 0.00 0.00 12,900,00 89,95 179,74 11,654,86 -703,44 -913,99 777,63 0.00 0.00 0.00 0.00 13,000,00 89,95 179,74 11,654,87 -903,44 -913,99 777,63 0.00 0.00 0.00 0.00 13,100,00 89,95 179,74 11,654,87 -1,003,43 -912,62 1,076,45 0.00 0.00 0.00 0.00 13,400,00 89,95 179,74 11,654,66 -1,203,43 -912,62 1,076,45 0.00 0.00 0.00 0.00 13,400,00 89,95 179,74 11,654,66 -1,203,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,66 -1,203,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,66 -1,203,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,65 -1,403,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,65 -1,603,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,75 -1,403,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,75 -1,403,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,75 -1,403,43 -911,25 1,375,28 0.00 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,95 -1,403,43 -910,79 1,474,88 0.00 0.00 0.00 0.00 13,900,00 89,95 179,74 11,655,04 -1,603,43 -910,33 1,574,49 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,50 -1,503,43 -909,87 1,674,10 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,14 -1,703,43 -909,87 1,674,10 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,50 -1,503,43 -909,87 1,674,10 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,81 -2,403,43 -909,87 1,674,10 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,81 -2,403,42 -906,87 2,371,36 0.00 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,655,81 -2,403,42 -906,87 2,371,36 0.00 0.00 0.00 0.00 0.00 14,000,00 89,95 179,74 11,656,87 -3,003,41 -902,10 3,367,44 0.00	•									
12,400.00 89.95 179.74 11,653.70 -203.44 -916.28 279.59 0.00 0.00 0.00 12,500.00 89.95 179.74 11,653.80 -303.44 -915.82 379.20 0.00 0.00 0.00 0.00 12,700.00 89.95 179.74 11,653.90 -503.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,700.00 89.95 179.74 11,654.99 -503.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,800.00 89.95 179.74 11,854.99 -603.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,800.00 89.95 179.74 11,854.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,854.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,854.37 -903.44 -913.98 976.84 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,854.77 -903.44 -913.98 976.84 0.00 0.00 0.00 0.00 13,300.00 89.95 179.74 11,854.77 -10.03.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,300.00 89.95 179.74 11,854.66 -1,203.43 -912.65 1,176.66 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,854.85 1.403.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,854.86 -1,403.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.86 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.86 1.403.43 -910.79 1,474.88 0.00 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.86 1.403.43 -910.79 1,474.88 0.00 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.95 1.403.43 -910.32 1,773.71 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.95 1.403.43 -910.32 1,773.71 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.51 -1,703.43 -908.87 1,674.10 0.00 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.51 -2,303.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.81 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.81 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.81 -2,003.42 -908.67 2,371.36 0.00 0.00 0.00 0.00 14,900.00 89.95 179.74 11,655.81 -2,003.42 -908.60 2,272.53 0.00 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.89 -2,003.41 -903.42 -908.60 0.00 0.00 0.00 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.86										
12,500.00	12,300.00				-103.44		179.98		0.00	0.00
12,600.00 89.95 179.74 11,653.99 -603.44 -915.36 478.80 0.00 0.00 0.00 12,700.00 89.95 179.74 11,653.99 -603.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,900.00 89.95 179.74 11,654.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.28 -803.44 -913.53 877.24 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.28 -803.44 -913.53 877.24 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.27 -903.44 -913.08 976.84 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.37 -903.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.67 -1,103.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.65 -1,203.43 -912.61 1,176.06 0.00 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.65 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,503.43 -910.79 1,474.88 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.85 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.85 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.54 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.54 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.61 -2,203.42 -908.61 2,371.36 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.81 -2,403.42 -908.51 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,656.61 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,656.61 -2,203.42 -908.61 2,370.37 0.00 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.67 -3,3	12,400.00	89.95	179.74	11,653.70	-203.44	-916.28	279.59	0.00	0.00	0.00
12,600.00 89.95 179.74 11,653.99 -603.44 -915.36 478.80 0.00 0.00 0.00 12,700.00 89.95 179.74 11,653.99 -603.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,900.00 89.95 179.74 11,654.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.28 -803.44 -913.53 877.24 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.28 -803.44 -913.53 877.24 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.27 -903.44 -913.08 976.84 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.37 -903.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.67 -1,103.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.65 -1,203.43 -912.61 1,176.06 0.00 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.65 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,503.43 -910.79 1,474.88 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.85 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.85 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.54 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.54 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.61 -2,203.42 -908.61 2,371.36 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.62 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.81 -2,403.42 -908.51 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,656.61 -2,203.42 -907.59 2,172.14 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,656.61 -2,203.42 -908.61 2,370.37 0.00 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.67 -3,3	12 500 00	`80 Q5	170 74	11 653 80	-303.44	-015.82	370 20	0.00	0.00	0.00
12,700.00 89.95 179.74 11,654.09 -603.44 -914.91 578.41 0.00 0.00 0.00 0.00 12,800.00 89.95 179.74 11,654.09 -603.44 -914.45 678.02 0.00 0.00 0.00 0.00 12,900.00 89.95 179.74 11,654.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.28 -803.44 -913.08 976.84 0.00 0.00 0.00 0.00 13,100.00 89.95 179.74 11,654.37 -903.44 -913.08 976.84 0.00 0.00 0.00 0.00 13,300.00 89.95 179.74 11,654.57 -1,103.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,300.00 89.95 179.74 11,654.65 -1,203.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.66 -1,203.43 -912.65 1,375.28 0.00 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.65 -1,403.43 -912.65 1,375.28 0.00 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.65 -1,403.43 -912.5 1,375.28 0.00 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 0.00 13,500.00 89.95 179.74 11,655.45 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 0.00 13,500.00 89.95 179.74 11,655.14 -1,703.43 -910.79 1,474.88 0.00 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.87 1,674.49 0.00 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.87 1,674.49 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.34 -1,803.43 -909.87 1,737.71 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.34 -1,803.43 -909.87 1,737.71 0.00 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.34 -1,803.43 -908.86 1,873.32 0.00 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,873.32 0.00 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.51 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.61 -2,603.43 -909.87 1,707.79 0.00 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.61 -2,603.42 -906.67 2,371.36 0.00 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.61 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 0.00 14,500.00 89.95 179.74 11,656.60 -2,603.42 -906.67 2,371.36 0.00 0.00 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.60 -3,203.41 -904.88 2,669.40 0.00 0.00 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.67 -3,303.41 -904.88 2,669.40 0.										
12,800.00 89.95 179.74 11,654.09 -603.44 -914.45 678.02 0.00 0.00 0.00 12,900.00 89.95 179.74 11,654.18 -703.44 -913.99 777.63 0.00 0.00 0.00 0.00 13,000.00 89.95 179.74 11,654.37 -903.44 -913.53 877.24 0.00 0.00 0.00 0.00 13,100.00 89.95 179.74 11,654.37 -903.44 -913.08 976.84 0.00 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.47 -1,003.43 -912.62 1,076.45 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.66 -1,203.43 -912.16 1,176.06 0.00 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 0.00 13,700.00 89.95 179.74 11,654.66 -1,203.43 -910.25 1,375.28 0.00 0.00 0.00 0.00 13,700.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.94 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.52 -1,803.43 -909.87 1,674.10 0.00 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.54 -1,803.43 -909.87 1,674.10 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -1,803.43 -909.87 1,674.10 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -1,803.43 -908.60 1,873.32 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.52 -2,203.42 -908.50 1,972.92 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.62 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,203.42 -908.60 1,873.32 0.00 0.00 0.00 0.00 0.00 14,600.00 89.95 179.74 11,656.88 -3,003.41 -904.84 2,769.79 0.	•									
12,900.00	·									
13,000.00 89.95 179.74 11,654.28 -803.44 -913.53 877.24 0.00 0.00 0.00 13,100.00 89.95 179.74 11,654.37 -903.44 -913.08 976.84 0.00 0.00 0.00 13,200.00 89.95 179.74 11,654.47 -1,003.43 -912.16 1,176.06 0.00 0.00 0.00 13,300.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.65 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,655.45 -1,603.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -908.71 1,674.10 0.00	,									
13,100,00 89,95 179,74 11,654,37 -903,44 -913,08 976,84 0.00 0.00 0.00 13,200,00 89,95 179,74 11,654,47 -1,103,43 -912,62 1,076,45 0.00 0.00 0.00 13,300,00 89,95 179,74 11,654,66 -1,203,43 -911,70 1,275,67 0.00 0.00 0.00 13,500,00 89,95 179,74 11,654,66 -1,203,43 -911,70 1,275,67 0.00 0.00 0.00 13,600,00 89,95 179,74 11,654,85 -1,503,43 -911,25 1,375,28 0.00 0.00 0.00 13,700,00 89,95 179,74 11,654,85 -1,503,43 -910,79 1,474,88 0.00 0.00 0.00 13,800,00 89,95 179,74 11,655,00 -1,503,43 -901,73 1,674,19 0.00 0.00 0.00 13,900,00 89,95 179,74 11,655,00 -1,603,43 -909,87 1,674,10 0.00 0.00 0.00 14,000,00 89,95 179,74 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
13,200.00 89.95 179.74 11,654.47 -1,003.43 -912.62 1,076.45 0.00 0.00 0.00 13,300.00 89.95 179.74 11,654.57 -1,103.43 -912.16 1,176.06 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.86 -1,303.43 -911.25 1,375.28 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.95 -1,503.43 -910.79 1,474.88 0.00 0.00 0.00 13,800.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.50 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74	•									
13,300.00 89.95 179.74 11,654.57 -1,103.43 -912.16 1,176.06 0.00 0.00 0.00 13,400.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -909.87 1,873.32 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.23 -1,903.42 -908.50 1,873.32 0.00 0.00 0.00 14,200.00 89.95 179.74	•									
13,400.00 89.95 179.74 11,654.66 -1,203.43 -911.70 1,275.67 0.00 0.00 0.00 13,500.00 89.95 179.74 11,654.76 -1,303.43 -911.25 1,375.28 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,655.94 -1,603.43 -901.93 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.87 1,674.10 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.34 -1,803.43 -909.87 1,674.10 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.33 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,200.00 89.95 179.74	13,200.00			11,654.47		-912,62			0.00	0.00
13,500.00 89.95 179.74 11,654.76 -1,303.43 -911.25 1,375.28 0.00 0.00 0.00 13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,655.04 -1,603.43 -910.33 1,574.49 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.53 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -908.50 1,972.92 0.00 0.00 0.00 14,300.00 89.95 179.74				11,654.57						
13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.14 -1,703.43 -908.92 1,773.71 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -1,203.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,600.00 89.95 179.74	13,400.00	89.95	179.74	11,654.66	-1,203.43	-911.70	1,275.67	0.00	0.00	0.00
13,600.00 89.95 179.74 11,654.85 -1,403.43 -910.79 1,474.88 0.00 0.00 0.00 13,700.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.14 -1,703.43 -908.92 1,773.71 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -1,203.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,600.00 89.95 179.74	13 500 00	89 95	179 74	11 654 76	-1 303 43	-011 25	1 375 28	0.00	0.00	0.00
13,700.00 89.95 179.74 11,654.95 -1,503.43 -910.33 1,574.49 0.00 0.00 0.00 13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -908.96 1,873.32 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.34 -2,003.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.62 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.61 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74					,					
13,800.00 89.95 179.74 11,655.04 -1,603.43 -909.87 1,674.10 0.00 0.00 0.00 13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.42 1,773.71 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.33 -1,903.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.62 -2,103.42 -908.04 2,072.53 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.81 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 14,700.00 89.95 179.74										
13,900.00 89.95 179.74 11,655.14 -1,703.43 -909.42 1,773.71 0.00 0.00 0.00 14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.33 -1,903.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.71 -2,303.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.71 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74	•									
14,000.00 89.95 179.74 11,655.24 -1,803.43 -908.96 1,873.32 0.00 0.00 0.00 14,100.00 89.95 179.74 11,655.33 -1,903.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.71 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74										
14,100.00 89.95 179.74 11,655.33 -1,903.42 -908.50 1,972.92 0.00 0.00 0.00 14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.81 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.76 2,570.57 0.00 0.00 0.00 15,000.00 89.95 179.74	•				,					
14,200.00 89.95 179.74 11,655.43 -2,003.42 -908.04 2,072.53 0.00 0.00 0.00 14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.81 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.67 2,371.36 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.76 2,570.57 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74	•				,					
14,300.00 89.95 179.74 11,655.52 -2,103.42 -907.59 2,172.14 0.00 0.00 0.00 14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.71 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,000.00 89.95 179.74										
14,400.00 89.95 179.74 11,655.62 -2,203.42 -907.13 2,271.75 0.00 0.00 0.00 14,500.00 89.95 179.74 11,655.71 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74										
14,500.00 89.95 179.74 11,655.71 -2,303.42 -906.67 2,371.36 0.00 0.00 0.00 14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74										
14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74	14,400.00	89.95	179.74	11,655.62	-2,203.42	-907.13	2,271.75	0.00	0.00	0.00
14,600.00 89.95 179.74 11,655.81 -2,403.42 -906.21 2,470.97 0.00 0.00 0.00 14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74	14.500.00	89.95	179.74	11.655.71	-2.303.42	-906.67	2.371.36	0.00	0.00	0.00
14,700.00 89.95 179.74 11,655.91 -2,503.42 -905.76 2,570.57 0.00 0.00 0.00 14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74	·									
14,800.00 89.95 179.74 11,656.00 -2,603.42 -905.30 2,670.18 0.00 0.00 0.00 14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00										
14,900.00 89.95 179.74 11,656.10 -2,703.42 -904.84 2,769.79 0.00 0.00 0.00 15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00										
15,000.00 89.95 179.74 11,656.19 -2,803.41 -904.38 2,869.40 0.00 0.00 0.00 15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00										
15,100.00 89.95 179.74 11,656.29 -2,903.41 -903.93 2,969.01 0.00 0.00 0.00 15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00										
15,200.00 89.95 179.74 11,656.38 -3,003.41 -903.47 3,068.61 0.00 0.00 0.00 15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00	,									
15,300.00 89.95 179.74 11,656.48 -3,103.41 -903.01 3,168.22 0.00 0.00 0.00 15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00	· ·									
15,400.00 89.95 179.74 11,656.58 -3,203.41 -902.56 3,267.83 0.00 0.00 0.00 15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 0.00 0.00					•					
15,500.00 89.95 179.74 11,656.67 -3,303.41 -902.10 3,367.44 0.00 ' 0.00 0.00	,									
	15,400.00	89.95	179.74	11,656.58	-3,203.41	-902.56	3,267.83	0.00	0.00	0.00
	15.500.00	89.95	179.74	11,656.67	-3,303.41	-902.10	3,367.44	0.00 ′	0.00	0.00
					•					

Оху

Planning Report

Database: Company: Project: Site: Well:

ENGINEERING DESIGNS

PRD NM DIRECTIONAL PLANS (NAD 1983) PLATINUM MDP1 34-3 FED COM

PLATINUM MDP1 34-3 FED COM 177H

Wellbore: ∛ Wellbore #1 Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well PLATINUM MDP1 34-3 FED COM 177H

RKB=26.5' @ 3453.40ft RKB=26.5' @ 3453.40ft

Grid

Minimum Curvature

Design:	ermitting Plan	make retricts on or i .	nada periodo de la capita productiva de la capita		ur kality of the	The Allery		r k el envilks el sammingshaps cr	ۇ. ئىماھىيىدا ئاسما دامۇسىدادا دىمان
Planned Survey	green and a service of	ere in history	- the part operations	ESPERATO JAMES CHILDRE	LIVE A CHIMAL COUR	no di malanggang per	ar villagent, a th	ATT WE HELD COMES A TEXT	CONTRACTOR STATE AND
Planned Survey	โรมสหรอบเล	TE FEMORE F	475466.475	ARLUEINES I'V	TO THE STREET	Carlet Distant	. ५० तम्बद्धाः । १	ACTOR SPECIAL	19 Au ro sto vital
THE PROCESS OF THE PROCESS OF THE PARTY OF T			31. S. 30.3. T. C. V.	CO CLASSIC	型とで紹介的です。	*6 6 7 C	19 - 10 miles 10 miles	The Salar Source of	在不是在在外外,然后
Measured 1	的特別的	STATE OF THE	Vertical:	加州公司	and the State of t	Vertical	Dogleg 🕒 🖎	Build.	Turn
Depth	lination	Azimuth	, Depth	🌣 +N/-S 📆 🤊	+E/-W	Section :		Rate	Rate
Depth, Inc.	(*)吟. 概. 蕴	(°)	(ft)	(ft)	√ (ft) /*/	(m)		°/100ft)∵.,	(°/100ft)
		ize letan ett	entales de la companya de la company	12.490、23202年上	的后来的建筑性	nada kalabat		Na will state	14年的開始的祖子教育
15,700.00	89.95	179.74	11,656.86	-3,503.41	-901.18	3,566.65	0.00	0.00	0.00
15,800.00	89.95	179.74	11,656.96	-3,603.41	-900.73	3,666.26	0.00	0.00	0.00
15,900.00	89.95	179.74	11,657.05	-3,703.40	-900.27	3,765.87	0.00	0.00	0.00
16,000.00	89.95	179.74	11,657.15	-3,803.40	-899.81	3,865.48	0.00	0.00	0.00
16,100.00	89.95	179.74	11,657.25	-3,903.40	-899.35	3,965.09	0.00	0.00	0.00
16,200.00	89.95	179.74	11,657.34	-4,003.40	-898.90	4,064.69	0.00	0.00	0.00
16,300.00	89.95	179.74	11,657.44	-4,103.40	-898.44	4,164.30	0.00	0.00	0.00
16,400.00	89.95	179.74	11,657.53	-4,203.40	-897.98	4,263.91	0.00	0.00	0.00
· ·									
16,500.00	89.95	179.74	11,657.63	-4,303.40	-897.52	4,363.52	0.00	0.00	0.00
16,600.00	89.95	179.74	11,657.72	-4,403.40	-897.07	4,463.13	0.00	0.00	0.00
16,700.00	89.95	179.74	11,657.82	-4,503.40	-896.61	4,562.74	0.00	0.00	0.00
16,800.00	89.95	179.74	11,657.92	-4,603.39	-896.15	4,662.34	0.00	0.00	0.00
16,900.00	89.95	179.74	11,658.01	-4,703.39	-895.69	4,761.95	0.00	0.00	0.00
17,000.00	89.95	179.74	11,658.11	-4,803.39	-895,24	4,861.56	0.00	0.00	0.00
17,100.00	89.95	179.74	11.658.20	-4,903.39	-894.78	4,961.17	0.00	0.00	0.00
17,200.00	89.95	. 179.74	11,658.30	-5,003.39	-894.32	5,060.78	0.00	0.00	0.00
17,300.00	89.95	179.74	11,658.39	-5,103.39	-893.86	5,160.38	0.00	0.00	0.00
17,400.00	89.95	179.74	11,658.49	-5,203.39	-893.41	5,259.99	0.00	0.00	0.00
17,500.00	89.95	179.74	11,658.59	-5,303.39	-892.95	5,359.60	0.00	0.00	0.00
17,600.00	89.95	179.74	11,658.68	-5,403.39	-892.49	5,459.21	0.00	0.00	0.00
17,700.00	89.95	179.74	11,658.78	-5,503.39	-892.03	5,558.82	0.00	0.00	0.00
17,800.00	89.95	179.74	11,658.87	-5,603.38	-891.58	5,658.42	0.00	0.00	0.00
17,900.00	89.95	179.74	11,658.97	-5,703.38	- 891.12 ·	5,758.03	0.00	0.00	0.00
18,000.00	89.95	179.74	11,659.06	-5,803.38	-890.66	5,857.64	0.00	0.00	0.00
18,100.00	89.95	179.74	11,659.16	-5,903.38	-890.21	5,957.25	0.00	0.00	0.00
18,200.00	89.95	179.74	11,659.26	-6,003.38	-889.75	6,056.86	0.00	0.00	0.00
18,300.00	89.95	179.74	11,659.35	-6,103.38	-889.29	6,156.46	0.00	0.00	0.00
18,400.00	89.95	179.74	11,659.45	-6,203.38	-888.83	6,256.07	0.00	0.00	0.00
·				·					
18,500.00	89.95	179.74	11,659.54	-6,303.38	-888.38	6,355.68	0.00	0.00	0.00
18,600.00	89.95	179.74	11,659.64	-6,403.38	-887.92	6,455.29	0.00	0.00	0.00
18,700.00	89.95	179.74	11,659.73	-6,503.37	-887.46	6,554.90	0.00	0.00	0.00
18,800.00	89.95	179.74	11,659.83	-6,603.37	-887.00	6,654.51	0.00	0.00	0.00
18,900.00	89.95	179.74	11,659.93	-6,703.37	-886.55	6,754.11	0.00	0.00	0.00
19,000.00	89.95	179.74	11,660.02	-6,803.37	-886.09	6,853,72	0.00	0.00	0.00
19,100.00	89.95	179.74	11,660.12	-6,903.37	-885.63	6,953.33	0.00	0.00	0.00
19,200.00	89.95	179.74	11,660.21	-7,003.37	-885.17	7,052.94	0.00	0.00	0.00
19,300.00	89.95	179.74	11,660.31	-7,103.37	-884.72	7,152.55	0.00	0.00	0.00
19,400.00	89.95	179.74	11,660.40	-7,203.37	-884.26	7,252.15	0.00	0.00	0.00
· ·	90.05	170 74		• '					
19,500.00	89.95	179.74	11,660.50	-7,303.37 7,403.36	-883.80	7,351.76	0.00	0.00	0.00
19,600.00	89.95	179.74	11,660.60	-7,403.36	-883.34	7,451.37	0.00	0.00	0.00
19,700.00	89.95	179.74	11,660.69	-7,503.36	-882.89	7,550.98	0.00	0.00	0.00
19,800.00	89.95	179.74	11,660.79	-7,603.36	-882.43	7,650.59	0.00	0.00	0.00
19,900.00	89.95	179.74	11,660.88	-7,703.36	-881.97	7,750.19	0.00	0.00	0.00
20,000.00	89.95	179.74	11,660.98	-7,803.36	-881.51	7,849.80	0.00	0.00	0.00
20,100.00	89.95	179.74	11,661.07		-881.06	7,949.41	0.00	0.00	0.00
20,200.00	89.95	179.74	11,661.17	-8,003.36	-880.60	8,049.02	0.00	0.00	0.00
20,300.00	89.95	179.74	11,661.27	-8,103.36	-880.14	8,148.63	0.00	0.00	0.00
20,400.00	89.95	179.74	. 11,661.36	-8,203.36	-879.68	8,248.23	0.00	0.00	0.00
· ·									
20,500.00	89.95	179.74	11,661.46	-8,303.35	-879.23	8,347.84	0.00	0.00 -	0.00
20,600.00	89.95	179.74	11,661.55	-8,403.35	-878.77	8,447.45	0.00	0.00	0.00
20,700.00	89.95	179.74	11,661.65	-8,503.35	-878.31	8,547.06	0.00	0.00	0.00
20,800.00	89.95	179.74	11,661.74	-8,603.35	-877.85	8,646.67	0.00	0.00	0.00
20,900.00	89.95	179.74	11,661.84	-8,703.35	-877.40	8,746.28	0.00	0.00	0.00
21,000.00	89.95	179.74	11,661.94	-8,803.35	-876.94	8,845.88	0.00	0.00	0.00
27,000.00	03.33	110.14	11,001.54	-0,000.00	-010.54	0,040.00	0.00	0.00	0.00

Оху

Planning Report

Database Company Project 1: Site Well: Wellbore: Design HOPSPP ENGINEERING DESIGNS PRD NM DIRECTIONAL PLANS (NAD 1983) PLATINUM MDP1 34-3 FED COM

PLATINUM MDP1 34-3 FED COM 177H

Wellbore #1 Permitting Plan Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

RKB=26.5' @ 3453,40ft RKB=26.5' @ 3453.40ft Grid

Minimum Curvature

Well PLATINUM MDP1 34-3 FED COM 177H

Planned Survey	7.								
	THE WALL			CHARLE.	和可能的數	国内设施	MATERIA SE	N. A.	\$957.63 Vol. 97.4
Measured	The Control		Vertical		的 说:"多是	Vertical	Dogleg	Bulld	Turn
Depth, Coling	clination.	Azimuth	Depth :	+N/-S	+E/-W	Section	Rate	Rate	Rate
(n) (n)	(0)	SCOTT NEWS	流(ft)定约次	注(ff)	集 (ft) ** 4.	(ft)	(°/100ft)***, (°/100ft)	(°/100ft)\` t./
A THE POST OF THE PARTY OF THE	ELECTRON SECTION SECTI	MATERIAL PROPERTY.	Properties and the second	raile carrendative	alternation of	TATE STATE OF THE S	TEANNACHE TAN		A SEPTIMENT WITH THE
21,100.00	89.95	179.74	11,662.03	-8,903.35	-876.48	8,945.49	0.00	0.00	0.00
21,200.00	89.95	179.74	11,662.13	-9,003.35	-876.03	9,045.10	0.00	0.00	0.00
21,300.00	89.95	179.74	11,662.22	-9,103.35	-875.57	9,144.71	0.00	0.00	0.00
21,400.00	89.95	179.74	11,662.32	-9,203.34	-875.11	9,244.32	0.00	0.00	0.00
21,500.00	89.95	179.74	11,662.41	-9,303.34	-874.65	9,343.92	0.00	0.00	0.00
21,600.00	89.95	179.74	11,662.51	-9,403.34	-874.20	9,443.53	0.00	0.00	0.00
21,700.00	89.95	179.74	11,662.61	-9,503.34	-873.74	9,543.14	0.00	0.00	0.00
21.800.00	89.95	179,74	11.662.70	-9.603.34	-873.28	9.642.75	0.00	0.00	0.00
. 21,900,00	89.95	179.74	11,662.80	-9,703.34	-872.82	9,742.36	0.00	0.00	0.00
22,000,00	89.95	179.74	11.662.89	-9.803.34	-872.37	9.841.96	0.00	0.00	0.00
22,100.00	89.95	179.74	11,662,99	-9,903,34	-871.91	9.941.57	0.00	0.00	0.00
22,200,00	89.95	179,74	11,663.08	-10,003,34	-871.45	10,041,18	0.00	0.00	0.00
22,300.00	89.95	179.74	11,663.18	-10,103.34	-870.99	10,140.79	0.00	0.00	0.00
22,400.00	89.95	179.74	11,663.28	-10,203,33	-870.54	10,240,40	0.00	0.00	0.00
<u>'</u>			,	,		•			0.00
22,500.00	89.95	179.74	11,663.37	-10,303.33	-870.08	10,340.00	0.00	0.00	0.00
22,530.34	89.95	179.74	11,663.40	-10,333.68	-869.94	10,370.23	0.00	0.00	0.00

Design Targets Target:Name # Dip. Shape	Ängle Di	p.Dir:	TVD	+N/-S (ft)	i+E/-W (ft)	Northing (usft)	Easting:	Latitude	L'ongitude
FTP (Platinum MDP1 - plan hits target center - Point	0.00	0.00	11,653.40	114.76	-917.73	461,657.43	715,795.27 ·	32° 16' 4.475565 N	103° 46' 8.044400
PBHL (Platinum MDP1 - plan hits target center - Point	0.00	0.01	11,663.40	-10,333.68	-869.94	451,209.60	715,843.06	32° 14' 21.086190 N	103° 46' 8.127517

Plan Annotations	The second of the second second second	minimum on our me in the series man insulation	கர் வரிக்கிய விருந்த வரிக்கிய இருந்திய இருந்திய இருந்திய இரு இந்து	The second secon
	第一种工程的	也是推進。這一句句,	No. of the last of	THE PERFECT OF THE PE
Measured	Vertical #	Local Coord	inates.	
Depth	Depth (4)	+N/-S	#E/W	
TO A CONTRACT OF THE SECOND	的对比是由他可	等数(m)含物核合物	2000年1	Comment
3,720.00	3,720.00	0.00	0.00	Build 2.00°/100'
4,220.14	4,217.61	27.67	-33.63	Hold 10.00° Tangent
10,377.81	10,281.67	707.31	-859.50	Turn 2.00°/100'
11,282.35	11,179.94	678.46	-920.31	KOP, Build 10.00°/100'
12,081.80	11,653.40	114.76	-917.73	Landing Point
22,530.34	11,663.40	-10,333.68	-869.94	TD at 22530.34' MD



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: PLATINUM MDP1 34-3 FED COM Well: PLATINUM MDP1 34-3 FED COM 177H

Wellbore: Wellbore #1
Design: Permitting Plan

PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD 1983)

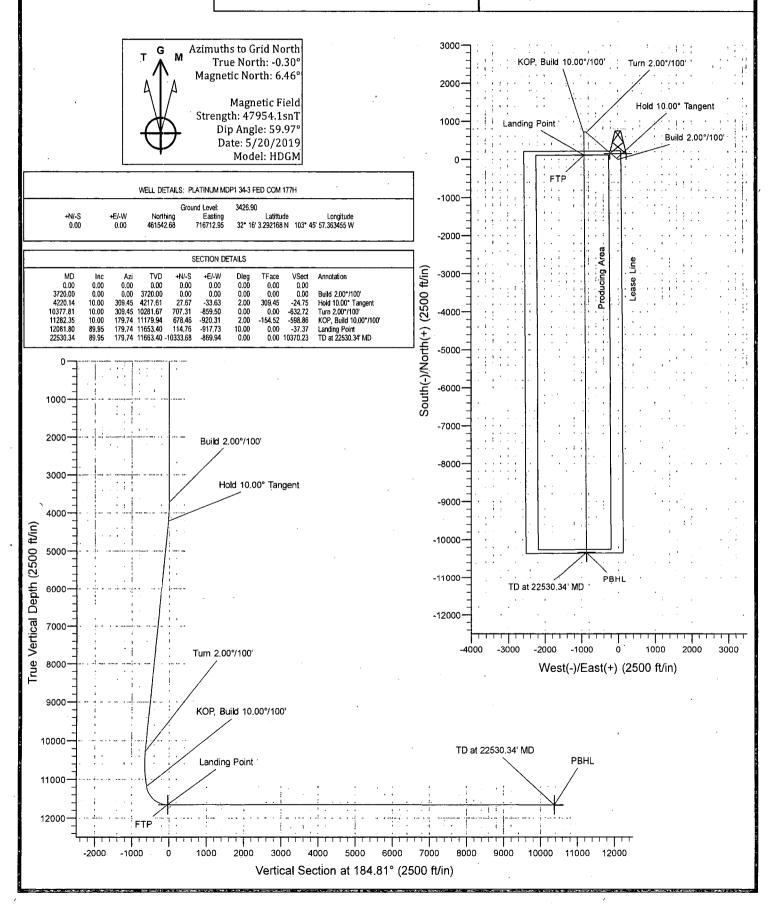
Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level



1. Geologic Formations

TVD of target	11678'	Pilot Hole Depth	N/A
MD at TD:	22514'	Deepest Expected fresh water:	647'

Delaware Basin

Formation	TVD - RKB	Expected Fluids
Rustler	. 570	
Salado	898	Brine
Castile	2,855	Brine
Lamar/Delaware	4,320	Brine
Bell Canyon	4,347	Oil/Gas
Cherry Canyon	5,232	Oil/Gas
Brushy Canyon	6,496	Losses
Bone Spring	8,158	Oil/Gas
1st Bone Spring	9,218	Oil/Gas
2nd Bone Spring	9,811	Oil/Gas
3rd Bone Spring	11,037	Oil/Gas
Wolfcamp	11,491	Oil/Gas

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

2. Casing Program , see (Of

									Buoyant	Виоуалt
Transfer Transfer	Casing Int	erval 🗼 🙀	Csg. Size	.Weight	Grade	Conn.	SF.	SF Burst	Body SF.	Joint SF
Hole Size (in)	From (ft)	To (ft):	(in)	(lbs)	Grade	COUL	Collapse	or burst	Tension	Tension
17.5	0	.620 633	13.375	54.5	J-55	BTC	1.125	1.2	1.4	1.4
12.25	0	4370 4305	9.625	43.5	L-80	BTC	1.125	1.2	1.4	1.4
8.5	. 0	11182	7.625	26.4	L-80 HC	SF (0 ft to 4000 ft) FJ (4000 ft to 11182 ft)	1.125	1.2	1.4	1.4
6.75	0	22530	5.5	20	P-110	DQX	1.125	1.2	1.4	1.4
							SF Value	s 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 set casing shallower yet still below the salts if losses or hole conditions require this. Cement volumes may be adjusted if casing is set shallower and a DV tool may be run in case hole conditions merit pumping a second stage cement job to comply with permitted top of cement. If cement circulated to surface during first stage, we will drop a cancelation cone and not pump the second stage.

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

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
the contapse pressure rating of the casing:	
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.	
THE LITTLE PROPERTY OF THE PRO	: Z.T. 1008
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?	
	ARTE TOTAL
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
Z TOTALIS THE LOOSE AND A LOOSE STATE TO A TERMENT AND THE TOTAL STATE OF THE PROPERTY OF THE	FERENCE, ST
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?	
是是一种,可以是 是一种,可以是一种的 的,但是一种的,但是一种的,但是一种的,但是是一种的,但是是一种的,但是是一种的。	S ANGE COLLE
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program RIIIP, see co P

Casing String	#/Sks	Wt: (lb/gal)	Yld (ft3/sack)	H20 (gàl/sk)	500# Comp. Strength (hours)	Slurry/Description .
Surface (Lead)	N/A	N/A	N/A	N/A	N/A	N/A
Surface (Tail)	659	14.8	1.33	6.365	5:26	Class C Cement, Accelerator
Intermediate (Lead)	932	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)	218	13.2	1.65	8.640	11:54	Class H Cement, Retarder, Dispersant, Salt
Intermediate II 2nd Stage	(Tail Slurry) to	be pumped	as Bradenhea	d Squeeze fro	om surface, do	own 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)	355	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)	.868	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	620	100%	
Intermediate (Lead)	0	3870	50%	
Intermediate (Tail)	3870	4370	20%	
Intermediate II 1st Stage (Lead)	N/A	N/A	N/A	6K
Intermediate II 1st Stage (Tail)	6746	11182	5%	
Intermediate II 2nd Stage (Lead)	N/A	N/A	N/A	
Intermediate II 2nd Stage (Tail)	0	6746	25%	
Production (Lead)	N/A	N/A	N/A	
Production (Tail)	10682	22530	20%	

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:

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).
- 2. Land casing.
- 3. Fill pipe with kill weight fluid, and confirm well is static.
 - a. If well is not static notify BLM and kill well.
 - b. Once well is static notify BLM with intent to proceed with nipple down and offline cementing.
- 4. Set and pressure test annular packoff.
- 5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed.

- 6. Skid rig to next well on pad.
- 7. Confirm well is static before removing cap flange.
- 8. If well is not static notify BLM and kill well prior to cementing or nippling up for further remediation.
- 9. Install offline cement tool.
- 10. Rig up cement equipment.
 - a. Notify BLM prior to cement job.
- 11. Perform cement job.
- 12. Confirm well is static and floats are holding after cement job.
- 13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

4. Pressure Control Equipment

5K

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре			Tested to:																															
		3M	Annula	Annular		70% of working pressure																															
12.25" 77-1-	13-5/8"		Blind R	am	✓																																
12.25" Hole	13-3/8	21/4	Pipe Ra	m		250 mgi / 2000 mgi																															
		3M	Double F	lam	✓	250 psi / 3000 psi																															
	•		Other*			·																															
	13-5/8"	5M	Annula	ır	✓	70% of working pressure																															
0.58.77-1-		5M	Blind Ram		✓																																
8.5" Hole			Pipe Ram			250: / 5000:																															
			3M) SMI) JVI	JWI	JWI	JWI.	JWI	JWI	JWI	JWI	31/1) JMI	JWI	3M	3M	3M	3WI	5M	Double Ram ✓		✓	250 psi / 5000 psi													
·			Other*																																		
		5M	Annula	ır	*	70% of working pressure																															
	13-5/8"		Blind Ram		✓																																
6.75" Hole			Pipe Ram			250 / 10000																															
				10M	Double F	Ram	✓	250 psi / 10000 psi																													
			Other*																																		

^{*}Specify if additional ram is utilized.

Per BLM's Memorandum No. NM-2017-008: Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are maintained at all times. Please see attached Well Control Plan.

Oxy will utilize a 5M annular with a 10M BOPE stack. The 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.

see COA

- When skidding to drill an intermediate section that does not penetrate into the Welfeamp.
- Full BOP test will be required prior to drilling any production hole.

5. Mud Program

De From (ft)	pth To (ft)	Type	Weight (ppg)	Viscosity	Water Loss
0 ,	620	Water-Based Mud	8.6-8.8	40-60	N/C
620	4370	Saturated Brine- Based Mud	9.8-10.0	35-45	N/C
4370	11182	Water-Based or Oil- Based Mud	8.0-9.6	38-50	N/C
11182	22530	Water-Based or Oil- Based Mud	9.5-12.0	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	PVT/MD Totco/Visual Monitoring	
of fluid?		

6. Logging and Testing Procedures

Logg	ing, Coring and Testing	
Yes	Will run GR from TD to	o surface (horizontal well – vertical portion of hole). Stated logs
	run will be in the Comp	letion 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	
Äddi	tional logs planned	Interval
No	Resistivity	
No .	Density	,
No	CBL	
Yes	Mud log	ICP - TD
No	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7288 psi
Abnormal Temperature	No ·
BH Temperature at deepest TVD	174°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.

, 414	ob and formations will be provided to the BEIV.
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.	Yes
• We plan to drill the three 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.	
Will more than one drilling rig be used for drilling operations? If yes, describe.	Yes
• 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.	

Total estimated cuttings volume: 1724.7 bbls.

Attachments

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

9. Company Personnel

Name	<u>Title</u>	Office Phone	Mobile Phone
Lucas Garibaldi	Drilling Engineer	713-366-5763	281-795-9270
Margaret Giltner	Drilling Engineer Supervisor	713-366-5026	210-683-8480
Simon Benavides	Drilling Superintendent	713-522-8652	281-684-6897
Diego Tellez	Drilling Manager	713-350-4602	713-303-4932

Oxy Well Control Plan

A. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the >5M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

Pilot hole and Lateral sections, 10M requirement

Component	OD.	Preventer	RWP
Drillpipe	4-1/2"-5"	Lower 3-1/2 - 5-1/2" VBR	10M
		Upper 3-1/2 - 5-1/2" VBR	
HWDP	4-1/2"-5"	Lower 3-1/2 - 5-1/2" VBR	10M
		Upper 3-1/2 - 5-1/2" VBR	
Drill collars and MWD tools	4-3/4" – 5-1/2"	Lower 3-1/2 - 5-1/2" VBR	10M
		Upper 3-1/2 - 5-1/2" VBR	i
Mud Motor	4-3/4"	Lower 3-1/2 - 5-1/2" VBR	10M
		Upper 3-1/2 - 5-1/2" VBR	
Production casing	5-1/2"	Lower 3-1/2 - 5-1/2" VBR	10M
		Upper 3-1/2 - 5-1/2" VBR	
ALL	0" - 13-5/8"	Annular	5M
Open-hole	6-3/4"	Blind Rams	10M

VBR = Variable Bore Ram. Compatible range listed in chart.

HWDP = Heavy Weight Drill Pipe

MWD = Measurement While Drilling

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the Bottom Hole Assembly (BHA) through the Blowout Preventers (BOP). The pressure at which control is swapped from the annular to another compatible ram will occur when the anticipated pressure is approaching or envisioned to exceed 70% of the 5M annular Rated Working Pressure (RWP) or 3500 PSI.

General Procedure While Drilling

- 1. Sound alarm (alert crew)
- 2. Space out drill string
- 3. Shut down pumps (stop pumps and rotary)
- 4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. The Hydraulic Control Remote (HCR) valve and choke will already be in the closed position).
- 5. Confirm shut-in
- 6. Notify tool pusher/company representative

- 7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
- 8. Regroup and identify forward plan
- 9. If pressure has built or expected to reach 70% of the annular RWP during kill operations, crew will reconfirm spacing and swap to the upper pipe ram

General Procedure While Tripping

- 1. Sound alarm (alert crew)
- 2. Stab full opening safety valve and close
- 3. Space out drill string
- 4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position)
- 5. Confirm shut-in
- 6. Notify tool pusher/company representative
- 7. Read and record the following
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan
 - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram

General Procedure While Running Casing

- 1. Sound alarm (alert crew)
- 2. Stab crossover and full opening safety valve and close
- 3. Space out string
- 4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position).
- 5. Confirm shut-in
- 6. Notify tool pusher/company representative
- 7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan.
 - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

- 1. Sound alarm (alert crew)
- 2. Shut-in with blind rams or BSR. (The HCR and choke will already be in the closed position)
- 3. Confirm shut-in
- 4. Notify tool pusher/company representative

- 5. Read and record the following:
 - a. SICP
 - b. Pit gain
 - c. Time
- 6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

- 1. PRIOR to pulling last joint of drill pipe thru the stack.
 - a. Perform flow check, if flowing:
 - b. Sound alarm (alert crew)
 - c. Stab full opening safety valve and close
 - d. Space out drill string with tool joint just beneath the upper pipe ram
 - e. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
 - f. Confirm shut-in
 - g. Notify tool pusher/company representative
 - h. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - iv. Regroup and identify forward plan
- 2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. Stab crossover and full opening safety valve and close
 - c. Space out drill string with upset just beneath the compatible pipe ram
 - d. Shut-in using compatible pipe ram. (The HCR and choke will already be in the closed position.)
 - e. Confirm shut-in
 - f. Notify tool pusher/company representative
 - g. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - iv. Regroup and identify forward plan
- 3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario
 - c. If impossible to pick up high enough to pull the string clear of the stack
 - d. Stab crossover, make up one joint/stand of drill pipe, and full opening safety valve and close
 - e. Space out drill string with tool joint just beneath the upper pipe ram

- f. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
- g. Confirm shut-in
- h. Notify tool pusher/company representative
- i. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
- j. Regroup and identify forward plan

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: LEASE NO.: NMNM043744
WELL NAME & NO.: Platinum MDP1 33-4 Federal Com 177H
SURFACE HOLE FOOTAGE: 220'/N & 2557'/W
BOTTOM HOLE FOOTAGE 20'/S & 2200'/W
LOCATION: Section 34, T.23 S., R.31 E., NMPM
COUNTY: Eddy County, New Mexico

COA

H2S	CYes	€ No	
Potash	None	Secretary	€ R-111-P
Cave/Karst Potential	© Low	C Medium	← High
Variance	None	Flex Hose	Other
Wellhead	C Conventional	Multibowl	6 Both
Other	☐ 4 String Area	Capitan Reef	☐ WIPP
Other	▼ Fluid Filled	Cement Squeeze	☐ Pilot Hole
Special Requirements		▽ COM	☐ Unit

All Previous COAs Still Apply

A. CASING

Casing Design:

- 1. The 13-3/8 inch surface casing shall be set at approximately 633 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **24 hours in the Potash Area** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,

- whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing 1 shall be set at approximately 4325 feet is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 Cement excess is less than 25%, more cement might be required.

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

- 3. The minimum required fill of cement behind the 7-5/8 inch intermediate casing 2 is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

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. Submit results to BLM.

- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back 500 feet into the previous casing. Operator shall provide method of verification.
 Cement excess is less than 25%, more cement might be required.

B. PRESSURE CONTROL

1. 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).'

2.

Option 1:

- a. 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 1** shoe shall be **5000 (5M)** psi.

c. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **intermediate casing 2** 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.

C. SPECIAL REQUIREMENT (S)

Break Testing

- Break testing variance is approved to be conducted only from 0-10000 feet or the top of the 3rd Bone Spring which ever is shallower.
- Pressure above 500 psi and/or flow above 500 mcf or 100 bbl over the anticipated conditions while drilling require notification to the Authorized Officer before any pressure test can begin.

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 CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)393-3612
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as

well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

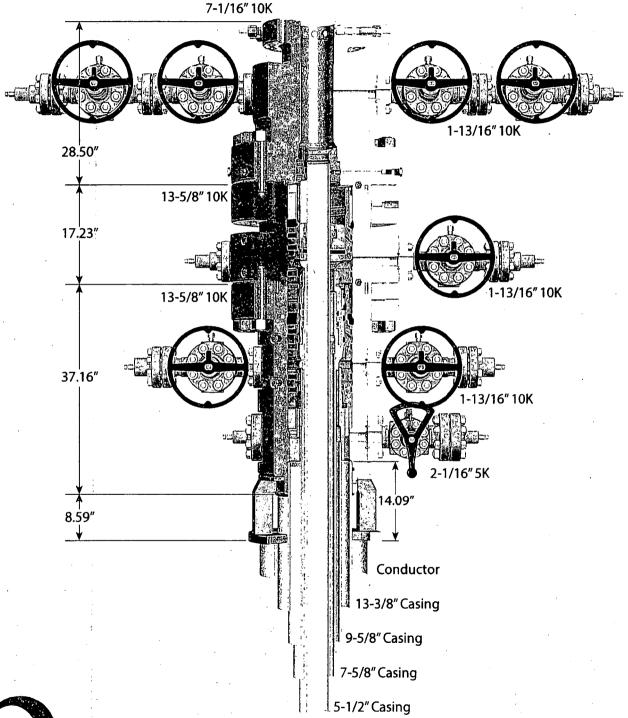
A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 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.

B. DRILLING MUD

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

Four String





PERFORMANCE DATA

TMK UP TORQ™ DQW

5.500 in

lin²

5.828

20.00 lbs/ft

P110 CY

Τe	cl	าทเ	cal	Data	Sr	ieet
-			_			

Tubular Parameters	·		·		
Size	5.500	in	Minimum Yield	110,000	psi
Nominal Weight	20.00	lbs/ft	Minimum Tensile	125,000	psi
Grade	P110 CY		Yield Load	641,000	lbs
PE Weight	19.81	lbs/ft	Tensile Load	729,000	lbs
Wall Thickness	0.361	in	Min. Internal Yield Pressure	12,640	psi
Nominal ID	4.778	in	Collapse Pressure	11,110	psi
Drift Diameter	4 653	lin	•	-	-

Conn	ection	Param	eters
COIIII	CCHOIL	ı aranı	にしている

Nom. Pipe Body Area

Connection OD	6.050	in
Connection ID	4.778	in
Make-Up Loss	4.324	in
Critical Section Area	5.828	in ²
Tension Efficiency	100.0	%
Compression Efficiency	100.0	%
Yield Load In Tension	641,000	lbs
Min. Internal Yield Pressure	12,640	psi
Collapse Pressure	11,110	psi
Uniaxial Bending	92	°/ 100 ft

Make-Up Torques

14,000	ft-lbs
16,000	ft-lbs.
18,000	ft-lbs
36,800	ft-lbs
46,000	ft-lbs
	16,000 18,000 36,800

Printed on: March-05-2019



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.



PERFORMANCE DATA

TMK UP DQX
Technical Data Sheet

5.500 in

20.00 lbs/ft

P-110

Tubular Parameters		
Size	5.500	in
Nominal Weight	20.00	lbs/ft
Grade	P-110	
PE Weight	19.81	lbs/ft
Wall Thickness	0.361	in
Nominal ID	4.778	in
Drift Diameter	4.653	in
Nom. Pipe Body Area	5.828	in²

	Minimum Yield	110,000	psi
	Minimum Tensile	125,000	psi
	Yield Load	641,000	lbs
`	Tensile Load	729,000	lbs
	Min. Internal Yield Pressure	12,600	psi
	Collapse Pressure	11,100	psi
		•	•

6.050	in
4.778	in ⁻
4.122	in
5.828	in²
100 0 ·	7/6
100.0	%
641,000	lbs
12,600	psi
11,100	psi
	4.778 4.122 5.828 100.0 100.0 641,000 12,600

	યું 🔼		
	(
	91.	34 350	
	A 1		The state of the s
	~? 4 ·	(F)	a "Safebar"
	. 3	1 475°C 4	Organization Co.
	8 m. 100 m	1 158 7 7	
		t itte i "	
	(A)	146	Contract of the contract of th
	2 3 1	1 13 :	THE WAY THE WAY TO AND
	38.2		
	22 T		
		1 ()	
		8 .33	The state of the s
	C	36	
	148	£ 43.	The state of the s
		1-1	
		4. 4.	
	~ Ø 1	2.5	
	13.5	1 - <u>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>	7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
	1.25		
	. 2		
		3.0	The state of the s
	3 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		The second secon
	100	14.5	
	7. 64	12.1	
	- R		
	1		
	7		A STATE OF THE STA
	美麗美		
	40.00		
	1.5		7
	3.0		
	2.		
	A.C.		· · · · · · · · · · · · · · · · · · ·
	12. 6	- ST-	Fillips
	M. (\$197).	- 1 E	
		100	
	NS TOWN	1 84.34	
		A-1	
	9	4.00	
	P. 10 100	The state of the s	格性 2 · 1 · 2 · 2 · 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3
The state of the s	Selling Selling		學方式發展了2000
	100	The statement of	经方式与图44

Make-up Torques		
Min. Make-Up Torque	11,600	ft-lbs
Opt. Make-Up Torque	12,900	ft-lbs
Max. Make-Up Torque	14,100	ft-lbs
Yield Torque	20,600	ft-lbs

Printed on: July-29-2014

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.



IPŜĈO

TECHNICAL DATA SHEET TMK UP DQX 5.5 X 20 P110

TUBULAR PARAMETERS		PIPE BODY PROPERTIES	
Nominal OD, (inch)	5.500	PE Weight, (lbs/ft)	19.81
Wall Thickness, (inch)	0.361	Nominal Weight, (lbs/ft)	20.00
Pipe Grade	P110	Nominal ID, (inch)	4.778
Coupling	Regular	Drift Diameter, (inch)	4.653
Coupling Grade	P110	Nominal Pipe Body Area, (sq inch)	5.828
Drift	Standard	Yield Strength in Tension, (klbs)	641
CONNECTION PARAMETERS		Min. Internal Yield Pressure, (psi) Collapse Pressure, (psi)	12 640
Connection OD (inch)	. 6.05		11 110
Connection ID, (inch)	4.778	Internal Pressure	
Make-Up Loss (inch)	4.122		
Connection Critical Area (sq inch)	5.828		
Yield Strength in Tension, (klbs)	641	To be a roll	
Yeld Strength in Compression, (klbs)	641		
Tension Efficiency	- 100%		多数据制用连 关
Compression Efficiency	100%		March 1
Min. Internal Yield Pressure, (psi)	12 640		variable in the control of
Collapse Pressure, (psi)	11 110		
Uniaxial Bending (deg/100ft)	· 917		
MAKE-UP TORQUES			
Yield Torque, (ft-lb)	20 600	External Pressure	
Minimum Make-Up Torque, (ft-lb)	11 600		· Inner broken
Optimum Make-Up Torque, (ft-lb)	12 900	·	
Maximum Make-Up Torque, (ft-lb)	14 100		
	Cou	pling Length	
Théchness Wall	-Up Loss	Box Critical Cross Section	•
	~~~~~		<u> </u>
200			
호 한 전 의 의 Pin Cross Sectio	<u>n</u>	\ \ \ \ \	Drift Diameter B

NOTE: The content of this Technical Data Sheet is for general information only and does not quarantee performance or imply fitness for a particular purpose, which only a competent drilling professional can determine concidering the specific installation and operation parameters. This information subcrised all prior versions for this connection. Information that is printed or downloaded is no longer controlled by TMK and ringht not be the latest information. Purpose using the information before downloaded is no longer controlled by TMK and ringht not be the latest information. Purpose using the information before does so at their down not. To swiny that you have the latest exchinical information, please contact PAO *TMK* Technical Sales in Russia fiel * 7 (455) 775-76 Ut. Email: technales@tmk group com) and TMK IPSCO in North America (Tet * 1 (281) 949-1044, Email: technales@tmk ipsco.com).

Print date: 12/07/2017 18:09

## PERFORMANCE DATA

## TMK UP SF TORQ™ Technical Data Sheet

Nom. Pipe Body Area

5.500 in

20.00 lbs/ft

P110 HC

<b>Tubular Parameters</b>					
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	ibs
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	·	•	•

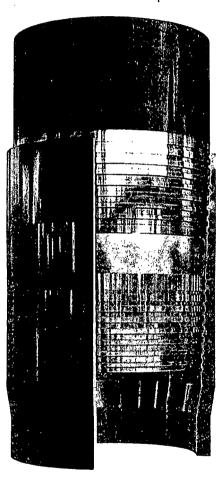
in²

5.828

Connection Parameters			
Connection OD	5.777	in	
Connection ID	4.734	in '	
Make-Up Loss	5.823	in	
Critical Section Area	5.875	in²	
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



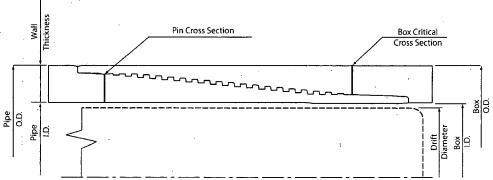
#### NOTE

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.



#### TECHNICAL DATA SHEET TMK UP FJ 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)	7.63	Min. Internal Yield Pressure, (psi) 6 020
Connection ID, (inch)	6.975	Collapse Pressure, (psi) 3 910
Make-Up Loss, (inch)	- 4.165	
Connection Critical Area, (sq inch)	2.520	Internal Pressure
Yield Strength in Tension, (klbs)	347	
Yeld Strength in Compression, (klbs)	347	
Tension Efficiency	58%	10000 AP15C37/ISQ
Compression Efficiency	. 58%	
Min. Internal Yield Pressure, (psi)	6 020	
Collapse Pressure, (psi)	. 3910	Compressible Tonsicity
Uniaxial Bending (deg/100ft)	28.0	
•	•	
MAKE-UP TORQUES		
Yield Torque, (ft-lb)	22 200	VMC V
Minimum Make-Up Torque, (ft-lb)	12 500	
Optimum Make-Up Torque, (ft-lb)	13 900	External Pressure Correction
Maximum Make-Up Torque, (ft-lb)	15 300	
1		
Wall	Pin Cross Sectio	Box Critical Cross Section

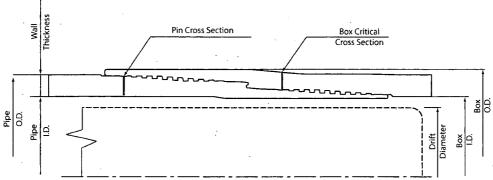


NOTE: The content of this feeding all Data Sheer is for general information only and does not guarantee performance or infply fitness for a particular purpose, which only a competent drilling professional risal determine considering the specific installation and operation parameters. This information superated all prior versions for this connection information state or downloaded is no longer controlled by TNIK and might not be the latest information. Anyone using the information begins or being one or the information and operation parameters. This information begins the information and operation parameters. This information begins and the information begins of the information begins o

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) 2	5.56
Wall Thickness, (inch)	0.328	Nominal Weight, (lbs/ft)	6.40
Pipe Grade	L80 HC	Nominal ID, (inch) 6	.969
Drift ,	Standard	Drift Diameter, (inch) 6	.844
CONNECTION PARAMETERS		, , , , ,	'.519 601
Connection OD (inch)	7.79	<del></del>	020
Connection ID, (inch)	6.938	· • • • • • • • • • • • • • • • • • • •	910
Make-Up Loss, (inch)	6.029	Compact Frederic, (par)	,,,
Connection Critical Area, (sq inch)	5.948	Internal Pressure	
Yield Strength in Tension, (klbs)	533		
Yeld Strength in Compression, (klbs)	. 533		7.67
Tension Efficiency	89%	100% RPISCI1/SCI	
Compression Efficiency	89%		<del>र है</del> से
Min. Internal Yield Pressure, (psi)	6 020		-
Collapse Pressure, (psi)	3 910		Tension
Uniaxial Bending (deg/100ft)	42.7		7.0
MAKE-UP TORQUES	•		(19) (10)
Yield Torque, (ft-lb)	22 600	TVMF OF	
Minimum Make-Up Torque, (ft-lb)	15 000		3 . 6 . 5 . 7
Optimum Make-Up Torque, (ft-lb)	16 500	Friernal Pressure Peri	
Maximum Make-Up Torque, (ft-lb)	18 200		
			•



NOTE: The content of this Technical Data Sheet is for general information only and does not guarantee performance or imply 1 trees for a particular purpose, which only a competent drilling professional can determine considering the specific installation and operation parameters. This information supersede all prior versions for this connection. Information that is printed or downloaded is not known confided by TAIK and might not be the latest information. Anyone using the information herein does so at their covirials. To verify that you have the latest enhanced information blease contact PAO "TMI" Technical Sales in Russia (Tel. + T495) 775-76-90 Email technales/gami-group command TMK IPSO3 in North America (Tel. + T495) 975-76-90.

Print date: 07/10/2018 20:00

Diemic I.
1625 N. Franch Dr., Hobba, NM 88240
Panes: (273) 891-6161 Fax: (575) 193-0720
Diemic II.
811 S. First St., Artesia, NM 68210
Panes: (575) 748-1283 Fax: (575) 748-9720
Diemic III.
1000 Riv Brauss Road, Artes, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
Damic IV.
1220 S. St. Francis Dr., Santa Fa, NM 87405
Panes: (505) 476-3460 Fax: (505) 478-3405
Panes: (505) 476-3460 Fax: (505) 478-3405

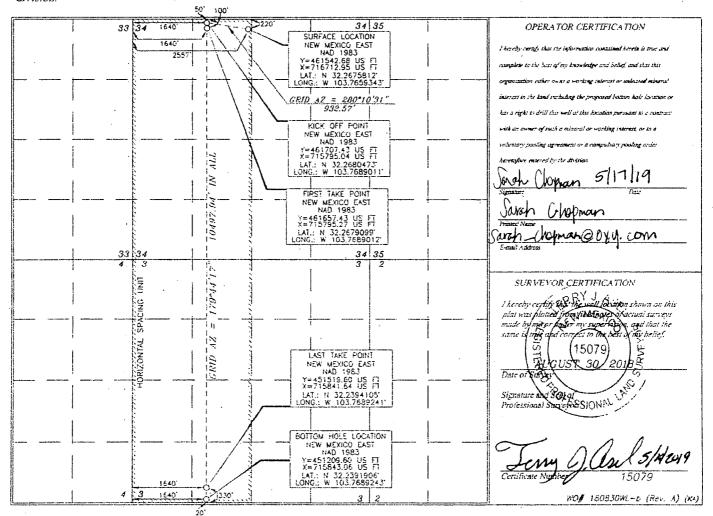
# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

SV-WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 30-015- pendin 98220 Purple Sage Wolfcamp Property Code Property Name Well Number "34_3" FEDERAL COM 177H PLATINUM MDP1 OGRID No. Operator Name Elevation 16696 OXY USA INC. 3426.9 Surface Location 'UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County C34 23 SOUTH 31 EAST, N.M.P.M. 220 NORTH 2557 WEST EDDYBottom Hole Location If Different From Surface Ul or lot no Section Township Lot Idn Feet from the Fast/West line North/South line | Feet from the County 24 SOUTH 31 EAST, N.M.P.M. 20 SOUTH 1640 WEST EDDY Dedicated Acres Joint or Infill Consolidation Code Order No. 640

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.



Intent X As Drilled		
API#		``
30-015- Pending Operator Name:	Property Name:	Well Number
DXY USA Inc.	Platinum HDP1 34-35-edual Co	m 177H
	v	•
Kick Off Point (KOP)		
UL Section Township Range Lot Feet C 34 25 31E 50	From N/S Feet From E/W Co	EDD Y
	gitude NA	ND J
32.2680473 -1	03.7689011	1AD83
First Take Point (FTP)		
UL Section Township Range Lot Feet C 34 235 SLE 108		unty DIM
Latitude	gitude NA	VD ,
[3.7. 20 10/00/0]	13.76fq012	14683
Last Take Point (LTP)		,
UL Section Township Range Lot Feet N 3 245 31E 332	From N/S Feet From E/W County  South 1646 West EDD	A .
Latitude Long	gitude . NAD	
52.2394105	-103.7689241	459
Is this well the defining well for the Horizontal	Spacing Unit?	
Is this well an infill well?		÷
If infill is yes please provide API if available, Op Spacing Unit.	perator Name and well number for Defining w	ell for Horizontal
API#		
Operator Name:	Property Name:	Well Number
· · · · · · · · · · · · · · · · · · ·		KZ 06/29/2018