

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD
ArtesiaFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM0546732
2. Name of Operator OCCIDENTAL PERMIAN LP		6. If Indian, Allottee or Tribe Name
Contact: DAVID STEWART E-Mail: david_stewart@oxy.com		7. If Unit or CA/Agrément, Name and/or No.
3a. Address P O BOX 50250 MIDLAND, TX 79710	3b. Phone No. (include area code) Ph: 432-685-5717 Fx: 432-685-5742	8. Well Name and No. FEDERAL 12 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T23S R30E SWSE 1159FSL 1643FEL		9. API Well No. 30-015-41345-00-X1
		10. Field and Pool, or Exploratory QUAHADA RIDGE SE
		11. County or Parish, and State EDDY COUNTY, NM

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

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

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

OXY USA Inc. respectfully requests approval to extend the bottom-hole location. See attached for the amended C-102 plat and the amended directional drilling plan.

Original BHL - 350 FSL 2000 FWL SESW(N) Sec 12 T23S R30E
Proposed BHL - 220 FSL 1992 FWL SESW(N) Sec 12 T23S R30E

Casing and Cement program modifications detailed below.

Production Casing
5-1/2" 17# L-80 BT&C new csg @ 0-13261'M, 7-7/8" hole w/ 9.2# mud

Coll Rating (psi)-6290 Burst Rating (psi)-7740

RECEIVED

MAR 12 2014

NMOC D ARTESIA

Original COA still Applies

APPROVED

MAR 9 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Electronic Submission #236792 verified by the BLM Well Information System
For OCCIDENTAL PERMIAN LP, sent to the Carlsbad
Committed to AFMSS for processing by WESLEY INGRAM on 03/10/2014 (14W/0250SE)

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 02/25/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 03/09/2014

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

Office Carlsbad

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

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

Additional data for EC transaction #236792 that would not fit on the form

32. Additional remarks, continued

SF Coll-1.50 SF Burst-1.21 SF Ten-3.10

Production - Cement w/ 750sx Tuned Light (TM) system cmt w/ 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + .2#/sx HR-800, 10.2ppg 2.94 yield 950# 24hr CS 100% Excess followed by 780sx Super H cmt w/ 3#/sx salt + .4% CFR-3 + .5% Halad(R)-344 + .2% HR-800 + .125#/sx Poly-E-Flake, 13.2ppg 1.64 yield 1250# 24hr CS 40% Excess.

Contingency 2nd Stage- DVT @ 3975' If cement circulates to surface during primary cementing operation, the DV cancellation cone will be run and the 2 nd stage will be cancelled. If cement is not circulated to surface, the contingency 2nd stage will be pumped as follows:
Circulate cement w/ 350sx HES light PP cmt w/ 3#/sx Salt, 12.4ppg 2.05 yield 450# 24hr (500#-26hr)
CS 10% Excess followed by 100sx PP cmt, 14.8ppg 1.33 yield 855# 24hr CS 50% Excess.

Description of Cement Additives: Salt (Accelerator); Silicalite (Additive Material); CFR-3 (Dispersant); Schotchlite HGS-6000 (Light Weight Additive); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-344 (Low Fluid Loss Control); HR-800 (Retarder)
The above cement volumes could be revised pending the caliper measurement.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720
District II
811 S. First St., Arroyo, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41345	Pool Code 50443	Pool Name Quichada Ridge Delaware, SF
Property Code 39554	Property Name FEDERAL "12"	Well Number 3H
OGRID No. 1579184	Operator Name Occidental Permian LP	Elevation 3287.3'

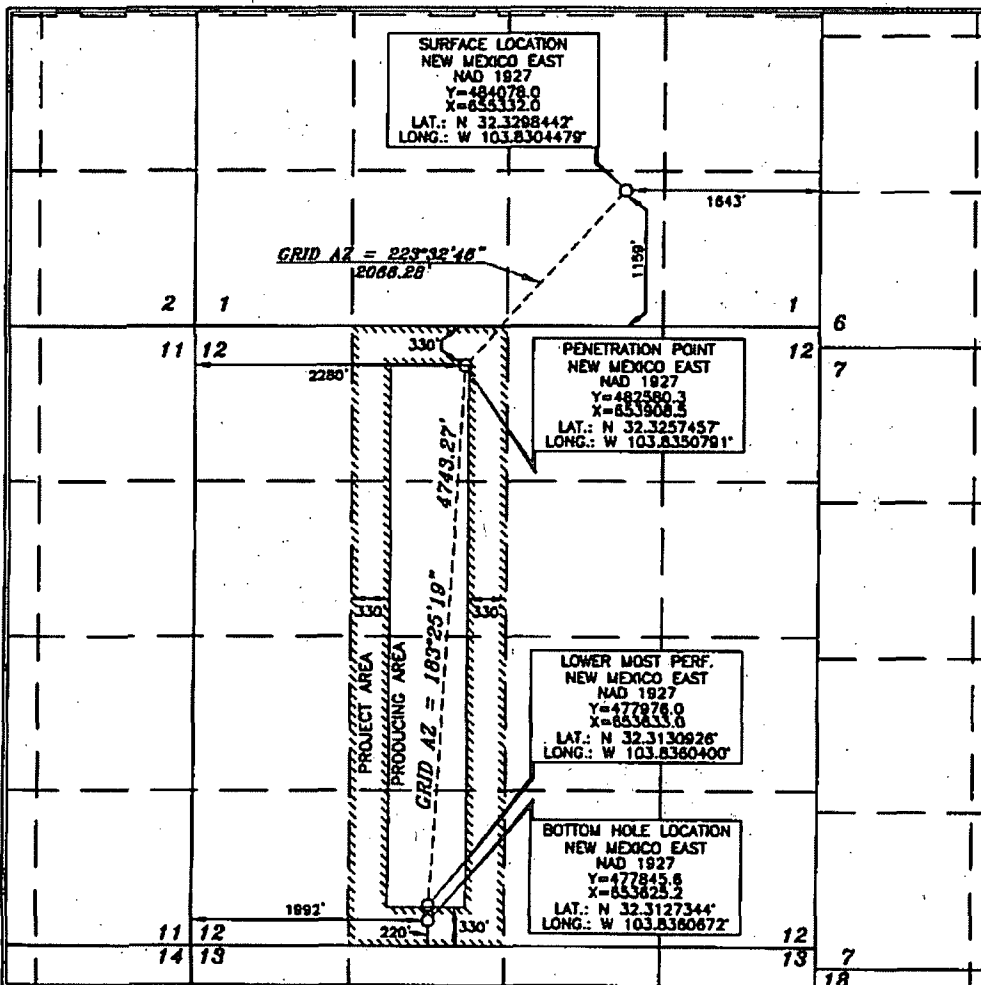
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	1	23 SOUTH	30 EAST, N.M.P.M.		1159'	SOUTH	1643'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	23 SOUTH	30 EAST, N.M.P.M.		220'	SOUTH	1992'	WEST	EDDY
Dedicated Acres 160		Joint or Infill N	Consolidation Code	Order No.					

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



OPERATOR CERTIFICATION

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

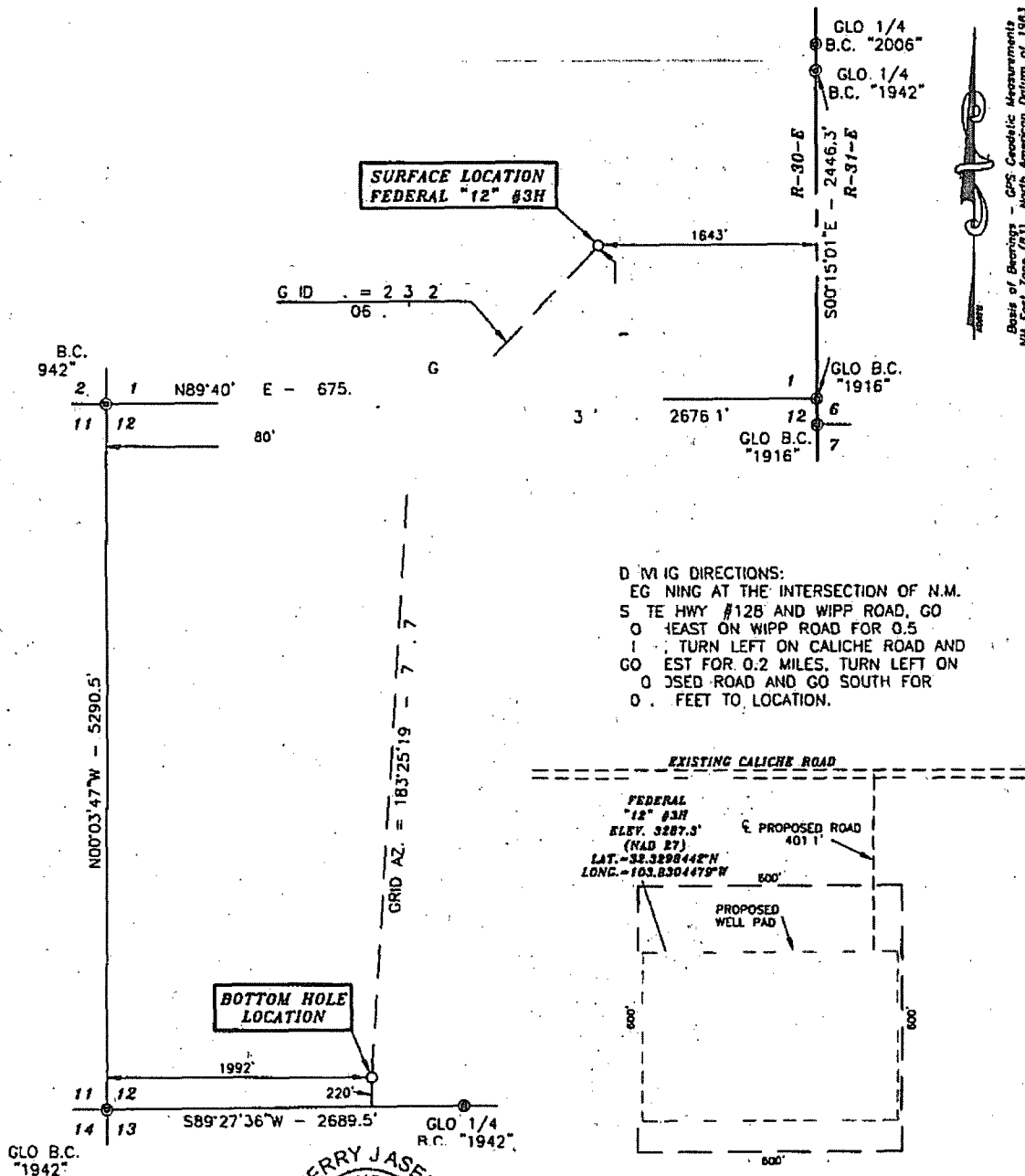
[Signature] 2/25/14
Signature Date
David Stewart Sr. Pres. ADU.
Printed Name
david.stewart@oxy.com
E-mail Address

SURVEYOR

I hereby certify that this plat was made by same or
R JA this
15079 of
Date of S
Signature as
Professional
NAL LAND S

[Signature] 2/26/2014
Certificate 10

SECTIONS 1 & 12, TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY
NEW MEXICO



SURVEYORS CERTIFICATE

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

T. J.

L.S. No. 15079

Asel Surveying

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



LEGEND
⊙ - DENOTES FOUND MONUMENT AS NOTED

1000' 0 1000' 2000' FEET
SCALE: 1"=1000'

OXY-USA INC.

FEDERAL #12 #3H LOCATED AT
1159' FSL & 1643' FEL IN SECTION 1,
TOWNSHIP 23 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 06/28/11	Sheet 1 of 1 Sheets
W.O. Number: 110628WL-c (Rev. 8)	Drawn By: KA Rev: B
Date: 02/21/14	110628WL-c Scale: 1"=1000'

District I
 1025 N. French Dr., Hobbs, NM 88240
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State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
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Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41345	Pool Code 50443	Pool Name Quachada Ridge Delaware, SE
Property Code 39554	Property Name FEDERAL "12"	Well Number 3H
OGRID No. 157984	Operator Name Occidental (Permian) LP	Elevation 3287.3'

Surface Location

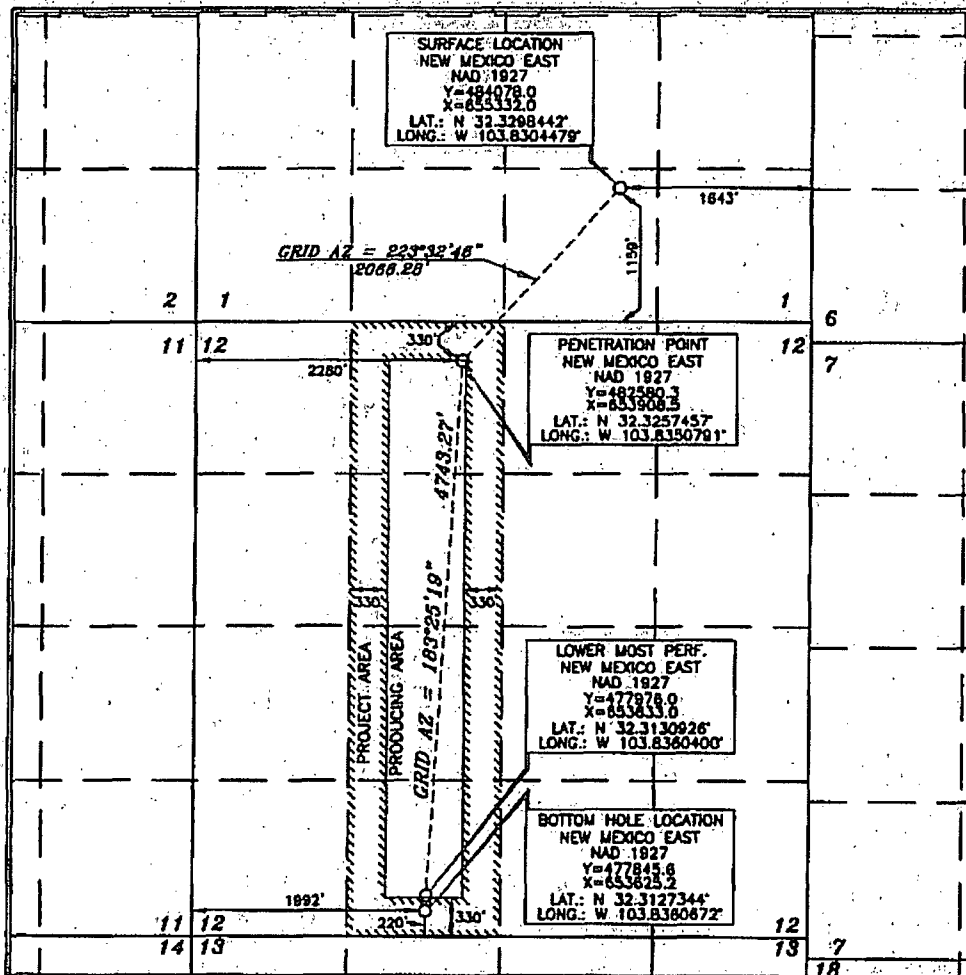
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	1	23 SOUTH	30 EAST, N.M.P.M.		1159'	SOUTH	1843'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	23 SOUTH	30 EAST, N.M.P.M.		220'	SOUTH	1992'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	N		

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



OPERATOR CERTIFICATION

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

Signature: *David Stewart* Date: **2/25/14**
 Printed Name: **David Stewart Sr. Reg. AGU**
 E-mail Address: **david.stewart@oxy.com**

SURVEYOR CERTIFICATION

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

Date of Survey: **JUNE 26, 2011**
 Signature and Seal: *[Signature]*
 Professional Surveyor

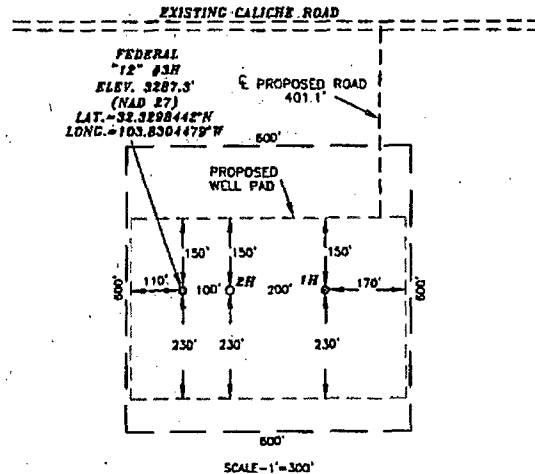
Certificate Number: **15079**
 Date: **2/24/2014**

[illegible]

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-383-9146

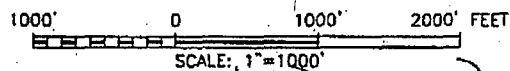


DRIVING DIRECTIONS:
BEGINNING AT THE INTERSECTION OF N.M.
STATE HWY. #128 AND WIPP ROAD, GO
NORTHEAST ON WIPP ROAD FOR 0.5
MILES, TURN LEFT ON CALICHE ROAD AND
GO WEST FOR 0.2 MILES, TURN LEFT ON
PROPOSED ROAD AND GO SOUTH FOR
401.1 FEET TO LOCATION.



LEGEND

Ⓢ - DENOTES FOUND MONUMENT AS NOTED



~~OXY USA INC.~~

FEDERAL "12" #3H LOCATED AT
1159' FSL & 1643' FEL IN SECTION 1,
TOWNSHIP 23 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 06/28/11	Sheet 1 of 1 Sheets
W.O. Number: 110628WL-c (Rev. B)	Drawn By: KA Rev: B
Date: 02/21/14	110628WL-c Scale: 1"=1000'



Federal 12 #311 Eddy Co, New Mexico

KB ELEV: 3311.30
GL ELEV: 3287.3

SECTION DETAILS

Sec	MD	Inc	Alt	TVD	+N/S	+E/W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	
2	4100.00	0.00	0.00	4100.00	0.00	0.00	0.0000	0.00	0.00	
3	5600.50	34.01	240.54	5532.83	-168.89	-334.40	2.8000	240.54	270.34	
4	7284.75	34.01	240.54	6990.42	-602.54	-1967.42	0.0000	0.00	862.54	
5	8516.51	89.69	183.42	7617.00	-1497.70	-1423.50	0.0000	-60.90	1810.92	PP
6	13261.84	89.70	183.42	7642.00	-6234.70	-1703.40	0.0016	-84.13	6463.21	PBHL

WELL DETAILS

Name	+N/S	+E/W	Northing	Eastng	Latitude	Longitude	Shit
Federal 12 #311	0.00	0.00	484078.00	655332.00	32°19'47.439N	103°49'47.613W	N/A

TARGET DETAILS

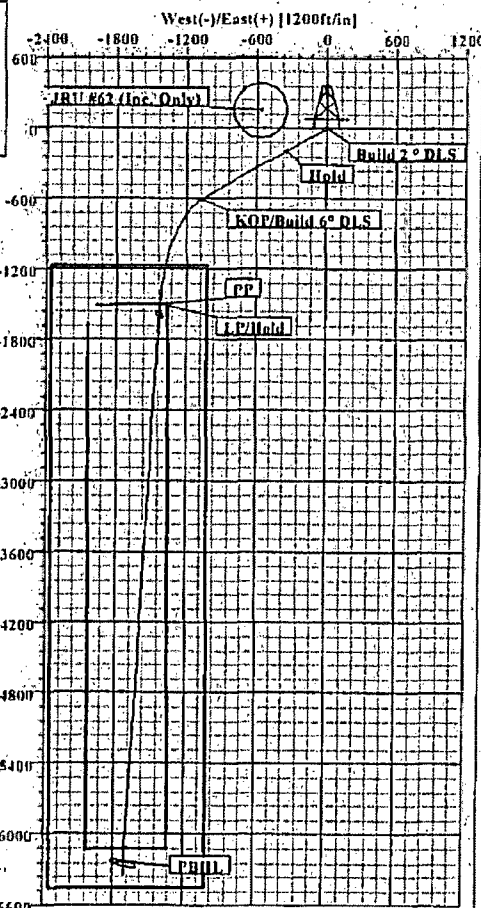
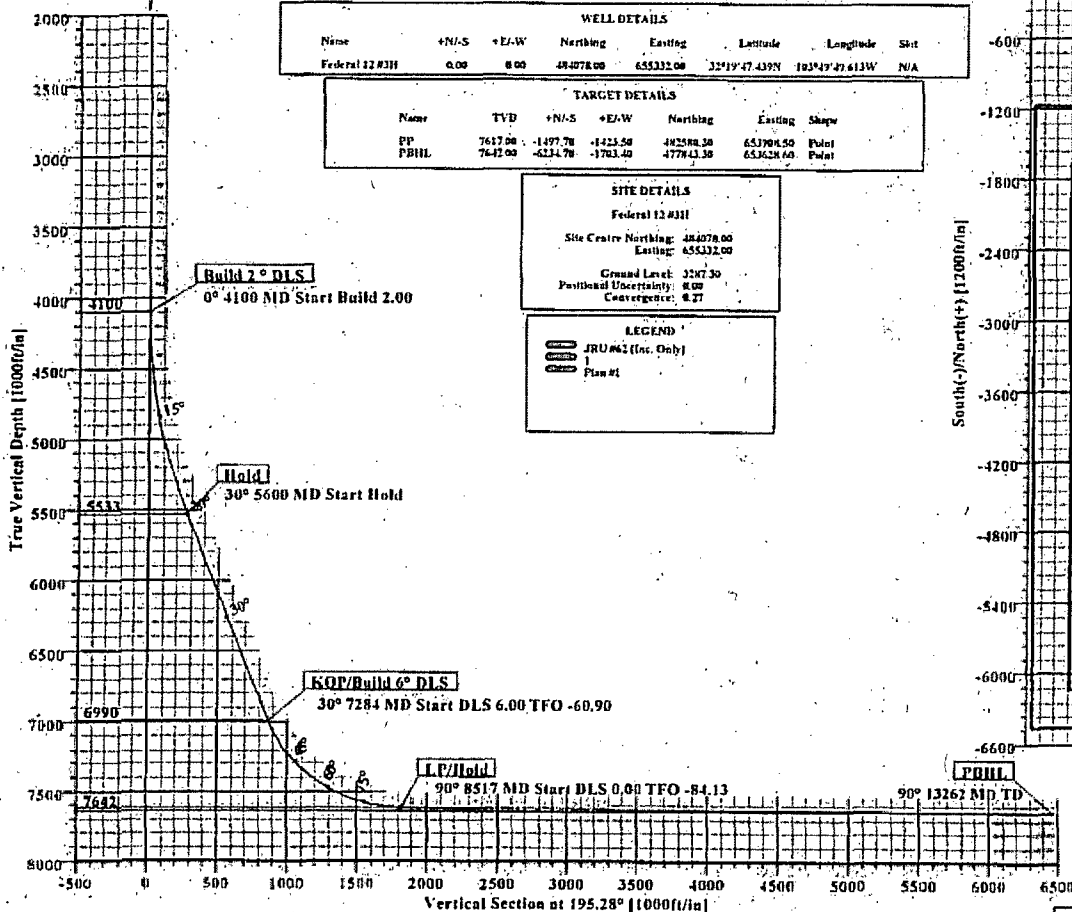
Name	TVD	+N/S	+E/W	Northing	Eastng	Shape
PP	7617.00	-1497.70	-1423.50	482588.30	653704.50	Point
PBHL	7642.00	-6234.70	-1703.40	477843.30	653628.60	Point

SITE DETAILS

Federal 12 #311
Site Centre Northing: 484078.00
Eastng: 655332.00
Ground Level: 3287.30
Positional Uncertainty: 0.00
Convergence: 0.27

LEGEND

--- JRU #62 (Inc. Only)
--- Plan #1



Plan: Plan #1 (Federal 12 #311/1)

Created By: Michael Dill

Date: 2/19/2014



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd.	Date: 2/19/2014	Time: 09:08:12	Page: 1
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Federal 12 #3H- Grid North	
Site: Federal 12 #3H	Vertical (TVD) Reference:	SITE 3311.3	
Well: Federal 12 #3H	Section (VS) Reference:	Well (0.00N,0.00E;195.28Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #1	Date Composed: 1/29/2014
Principal: Yes	Version: 1
	Tied-to: User Defined

Site:	Federal 12 #3H					
Site Position:		Northing:	484078.00 ft	Latitude:	32 19 47.439 N	
From: Map		Easting:	655332.00 ft	Longitude:	103 49 49.613 W	
Position Uncertainty:	0.00 ft			North Reference:	Grid	
Ground Level:	3287.30 ft			Grid Convergence:	0.27 deg	

Well: Federal 12 #3H				Slot Name:		
Well Position:	+N/S	0.00 ft	Northing:	484078.00 ft	Latitude:	32 19 47.439 N
	+E/W	0.00 ft	Easting:	655332.00 ft	Longitude:	103 49 49.613 W
Position Uncertainty:		0.00 ft				

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3311.30 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 1/29/2014		Above System Datum: Mean Sea Level	
Field Strength: 48415 nT		Declination: 7.39 deg	
Vertical Section: Depth From (TVD)		Mag Dip Angle: 60.18 deg	
ft	+N/S ft	+E/W ft	Direction deg
0.00	0.00	0.00	195.28

Plan Section Information

MD	Incl	Azin	TVD	+N-S	+E-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.0000	0.0000	0.0000	0.00	
5600.50	30.01	240.54	5532.83	-188.89	-334.40	2.0000	2.0000	0.0000	240.54	
7283.75	30.01	240.54	6990.42	-602.94	-1067.42	0.0000	0.0000	0.0000	0.00	
8516.51	89.69	183.42	7617.00	-1497.70	-1423.50	6.0004	4.8415	-4.6335	-60.90	PP
13261.84	89.70	183.34	7642.00	-6234.70	-1703.40	0.0016	0.0002	-0.0016	-84.13	PBHL

Survey

MD	Incl	Azin	TVD	N/S	E/W	VS	DLS	Build	Turn	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd. Date: 2/19/2014 Time: 09:08:12 Page: 2
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Federal 12 #3H, Grid North
 Site: Federal 12 #3H Vertical (TVD) Reference: SITE 3311'3
 Well: Federal 12 #3H Section (VS) Reference: Well (0.00N,0.00E,195.28Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	Build 2 * DLS
4200.00	2.00	240.54	4199.98	-0.86	-1.52	1.23	2.0000	2.0000	0.0000	
4300.00	4.00	240.54	4299.84	-3.43	-6.08	4.91	2.0000	2.0000	0.0000	
4400.00	6.00	240.54	4399.45	-7.72	-13.66	11.05	2.0000	2.0000	0.0000	
4500.00	8.00	240.54	4498.70	-13.71	-24.28	19.62	2.0000	2.0000	0.0000	
4600.00	10.00	240.54	4597.47	-21.41	-37.90	30.64	2.0000	2.0000	0.0000	
4700.00	12.00	240.54	4695.62	-30.79	-54.51	44.07	2.0000	2.0000	0.0000	
4800.00	14.00	240.54	4793.06	-41.85	-74.09	59.90	2.0000	2.0000	0.0000	
4900.00	16.00	240.54	4889.64	-54.58	-96.63	78.12	2.0000	2.0000	0.0000	
5000.00	18.00	240.54	4985.27	-68.96	-122.08	98.70	2.0000	2.0000	0.0000	
5100.00	20.00	240.54	5079.82	-84.97	-150.43	121.61	2.0000	2.0000	0.0000	
5200.00	22.00	240.54	5173.17	-102.59	-181.63	146.84	2.0000	2.0000	0.0000	
5300.00	24.00	240.54	5265.21	-121.81	-215.65	174.34	2.0000	2.0000	0.0000	
5400.00	26.00	240.54	5355.84	-142.59	-252.45	204.09	2.0000	2.0000	0.0000	
5500.00	28.00	240.54	5444.94	-164.92	-291.97	236.04	2.0000	2.0000	0.0000	
5600.00	30.00	240.54	5532.39	-188.76	-334.18	270.16	2.0000	2.0000	0.0000	
5600.50	30.01	240.54	5532.83	-188.89	-334.40	270.34	2.0000	2.0000	0.0000	Hold
5700.00	30.01	240.54	5618.99	-213.36	-377.73	305.37	0.0000	0.0000	0.0000	
5800.00	30.01	240.54	5705.58	-237.96	-421.28	340.58	0.0000	0.0000	0.0000	
5900.00	30.01	240.54	5792.18	-262.56	-464.83	375.78	0.0000	0.0000	0.0000	
6000.00	30.01	240.54	5878.77	-287.16	-508.37	410.99	0.0000	0.0000	0.0000	
6100.00	30.01	240.54	5965.36	-311.75	-551.92	446.19	0.0000	0.0000	0.0000	
6200.00	30.01	240.54	6051.96	-336.35	-595.47	481.40	0.0000	0.0000	0.0000	
6300.00	30.01	240.54	6138.55	-360.95	-639.02	516.60	0.0000	0.0000	0.0000	
6400.00	30.01	240.54	6225.15	-385.55	-682.57	551.81	0.0000	0.0000	0.0000	
6500.00	30.01	240.54	6311.74	-410.15	-726.12	587.02	0.0000	0.0000	0.0000	
6600.00	30.01	240.54	6398.33	-434.75	-769.66	622.22	0.0000	0.0000	0.0000	
6700.00	30.01	240.54	6484.93	-459.34	-813.21	657.43	0.0000	0.0000	0.0000	
6800.00	30.01	240.54	6571.52	-483.94	-856.76	692.63	0.0000	0.0000	0.0000	
6900.00	30.01	240.54	6658.11	-508.54	-900.31	727.84	0.0000	0.0000	0.0000	
7000.00	30.01	240.54	6744.71	-533.14	-943.86	763.05	0.0000	0.0000	0.0000	
7100.00	30.01	240.54	6831.30	-557.74	-987.40	798.25	0.0000	0.0000	0.0000	
7200.00	30.01	240.54	6917.90	-582.33	-1030.95	833.46	0.0000	0.0000	0.0000	



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd.	Date: 2/19/2014	Time: 09:08:12	Page: 3
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Federal 12 #3H Grid North	
Site: Federal 12 #3H	Vertical (TVD) Reference:	SITE 33113	
Well: Federal 12 #3H	Section (VS) Reference:	Well (0.00N,0.00E,195.28Az)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
7283.75	30.01	240.54	6990.42	-602.94	-1067.42	862.94	0.0000	0.0000	0.0000	KOP/Build 6° DLS
7300.00	30.49	238.86	7004.46	-607.07	-1074.49	868.79	6.0004	2.9846	-10.3327	
7400.00	33.90	229.57	7089.12	-638.30	-1117.48	910.25	6.0004	3.4074	-9.2880	
7500.00	37.89	221.91	7170.15	-679.28	-1159.26	960.79	6.0004	3.9859	-7.6641	
7600.00	42.29	215.56	7246.67	-729.54	-1199.37	1019.85	6.0004	4.3988	-6.3475	
7700.00	46.98	210.23	7317.84	-788.55	-1237.38	1086.78	6.0004	4.6932	-5.3285	
7800.00	51.89	205.68	7382.87	-855.65	-1272.86	1160.86	6.0004	4.9048	-4.5552	
7900.00	56.94	201.71	7441.06	-930.10	-1305.43	1241.27	6.0004	5.0583	-3.9725	
8000.00	62.11	198.17	7491.76	-1011.10	-1334.74	1327.13	6.0004	5.1704	-3.5355	
8100.00	67.37	194.96	7534.43	-1097.76	-1360.46	1417.50	6.0004	5.2523	-3.2102	
8200.00	72.68	191.99	7568.59	-1189.12	-1382.30	1511.39	6.0004	5.3114	-2.9720	
8300.00	78.03	189.18	7593.87	-1284.18	-1400.04	1607.77	6.0004	5.3527	-2.8039	
8400.00	83.41	186.49	7609.99	-1381.91	-1413.47	1705.58	6.0004	5.3795	-2.6945	
8500.00	88.80	183.85	7616.78	-1481.23	-1422.45	1803.75	6.0004	5.3936	-2.6364	
8516.51	89.69	183.42	7617.00	-1497.70	-1423.50	1819.92	6.0004	5.3969	-2.6228	PP
8600.00	89.69	183.42	7617.45	-1581.04	-1428.48	1901.63	0.0016	0.0002	-0.0016	
8700.00	89.69	183.42	7617.98	-1680.86	-1434.44	1999.49	0.0016	0.0002	-0.0016	
8800.00	89.69	183.42	7618.51	-1780.68	-1440.40	2097.35	0.0016	0.0002	-0.0016	
8900.00	89.69	183.41	7619.04	-1880.51	-1446.35	2195.21	0.0016	0.0002	-0.0016	
9000.00	89.70	183.41	7619.58	-1980.33	-1452.31	2293.07	0.0016	0.0002	-0.0016	
9100.00	89.70	183.41	7620.11	-2080.15	-1458.26	2390.93	0.0016	0.0002	-0.0016	
9200.00	89.70	183.41	7620.64	-2179.97	-1464.20	2488.79	0.0016	0.0002	-0.0016	
9300.00	89.70	183.41	7621.17	-2279.79	-1470.15	2586.65	0.0016	0.0002	-0.0016	
9400.00	89.70	183.41	7621.70	-2379.61	-1476.09	2684.51	0.0016	0.0002	-0.0016	
9500.00	89.70	183.40	7622.23	-2479.44	-1482.03	2782.37	0.0016	0.0002	-0.0016	
9600.00	89.70	183.40	7622.77	-2579.26	-1487.97	2880.23	0.0016	0.0002	-0.0016	
9700.00	89.70	183.40	7623.30	-2679.08	-1493.90	2978.08	0.0016	0.0002	-0.0016	
9800.00	89.70	183.40	7623.83	-2778.90	-1499.83	3075.94	0.0016	0.0002	-0.0016	
9900.00	89.70	183.40	7624.36	-2878.73	-1505.76	3173.79	0.0016	0.0002	-0.0016	
10000.00	89.70	183.40	7624.89	-2978.55	-1511.68	3271.65	0.0016	0.0002	-0.0016	
10100.00	89.70	183.39	7625.41	-3078.37	-1517.60	3369.50	0.0016	0.0002	-0.0016	
10200.00	89.70	183.39	7625.94	-3178.19	-1523.52	3467.36	0.0016	0.0002	-0.0016	
10300.00	89.70	183.39	7626.47	-3278.02	-1529.44	3565.21	0.0016	0.0002	-0.0016	
10400.00	89.70	183.39	7627.00	-3377.84	-1535.35	3663.06	0.0016	0.0002	-0.0016	
10500.00	89.70	183.39	7627.53	-3477.67	-1541.26	3760.92	0.0016	0.0002	-0.0016	
10600.00	89.70	183.39	7628.06	-3577.49	-1547.17	3858.77	0.0016	0.0002	-0.0016	
10700.00	89.70	183.38	7628.58	-3677.31	-1553.08	3956.62	0.0016	0.0002	-0.0016	
10800.00	89.70	183.38	7629.11	-3777.14	-1558.98	4054.47	0.0016	0.0002	-0.0016	
10900.00	89.70	183.38	7629.64	-3876.96	-1564.88	4152.32	0.0016	0.0002	-0.0016	
11000.00	89.70	183.38	7630.17	-3976.79	-1570.78	4250.17	0.0016	0.0002	-0.0016	
11100.00	89.70	183.38	7630.69	-4076.61	-1576.67	4348.02	0.0016	0.0002	-0.0016	
11200.00	89.70	183.38	7631.22	-4176.44	-1582.56	4445.87	0.0016	0.0002	-0.0016	
11300.00	89.70	183.37	7631.74	-4276.26	-1588.45	4543.71	0.0016	0.0002	-0.0016	
11400.00	89.70	183.37	7632.27	-4376.09	-1594.33	4641.56	0.0016	0.0002	-0.0016	
11500.00	89.70	183.37	7632.79	-4475.91	-1600.22	4739.41	0.0016	0.0002	-0.0016	
11600.00	89.70	183.37	7633.32	-4575.74	-1606.10	4837.25	0.0016	0.0002	-0.0016	
11700.00	89.70	183.37	7633.84	-4675.56	-1611.97	4935.10	0.0016	0.0002	-0.0016	
11800.00	89.70	183.37	7634.37	-4775.39	-1617.85	5032.94	0.0016	0.0002	-0.0016	
11900.00	89.70	183.37	7634.89	-4875.22	-1623.72	5130.79	0.0016	0.0002	-0.0016	
12000.00	89.70	183.36	7635.42	-4975.04	-1629.59	5228.63	0.0016	0.0002	-0.0016	
12100.00	89.70	183.36	7635.94	-5074.87	-1635.45	5326.47	0.0016	0.0002	-0.0016	
12200.00	89.70	183.36	7636.46	-5174.69	-1641.32	5424.32	0.0016	0.0002	-0.0016	



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd. Date: 2/19/2014 Time: 09:08:12 Page: 4
 Field: Eddy Co NM (Nad 27) Co-ordinate (NE) Reference: Well: Federal 12 #3H Grid North
 Site: Federal 12 #3H Vertical (TVD) Reference: SITE 3311.3
 Well: Federal 12 #3H Section (VS) Reference: Well (0.00N, 0.00E, 195.28Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	NS ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
12300.00	89.70	183.36	7636.99	-5274.52	-1647.18	5522.16	0.0016	0.0002	-0.0016	
12400.00	89.70	183.36	7637.51	-5374.35	-1653.03	5620.00	0.0016	0.0002	-0.0016	
12500.00	89.70	183.36	7638.03	-5474.18	-1658.89	5717.84	0.0016	0.0002	-0.0016	
12600.00	89.70	183.35	7638.55	-5574.00	-1664.74	5815.68	0.0016	0.0002	-0.0016	
12700.00	89.70	183.35	7639.07	-5673.83	-1670.59	5913.52	0.0016	0.0002	-0.0016	
12800.00	89.70	183.35	7639.60	-5773.66	-1676.44	6011.36	0.0016	0.0002	-0.0016	
12900.00	89.70	183.35	7640.12	-5873.49	-1682.28	6109.20	0.0016	0.0002	-0.0016	
13000.00	89.70	183.35	7640.64	-5973.31	-1688.12	6207.04	0.0016	0.0002	-0.0016	
13100.00	89.70	183.35	7641.16	-6073.14	-1693.96	6304.87	0.0016	0.0002	-0.0016	
13200.00	89.70	183.34	7641.68	-6172.97	-1699.79	6402.71	0.0016	0.0002	-0.0016	
13261.84	89.70	183.34	7642.00	-6234.70	-1703.40	6463.21	0.0016	0.0002	-0.0016	PBHL

Targets

Name	Description Dip Dir.	TVD ft	N/S ft	E/W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PP		7617.00	-1497.70	-1423.50	482580.30	653908.50	32 19 32.684 N	103 50 6.284 W
PBHL		7642.00	-6234.70	-1703.40	477843.30	653628.60	32 18 45.820 N	103 50 9.802 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
4100.00	4100.00	Build 2' DLS
5600.50	5532.83	Hold
7283.75	6990.42	KOP/Build 6' DLS
8516.51	7617.00	LP/Hold
13261.83	7642.00	PBHL