

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD-ARTESIAFORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

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

2. Name of Operator OXY USA Inc.

16696

3a. Address
P.O. Box 50250 Midland, TX 797103b. Phone No. (include area code)
432-685-5717

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

S-575 FSL 1930 FEL SWSE (O) Sec 34 T23S R29E
B-330 FNL 1930 FEL NWNE (B) " " "

5. Lease Serial No.

NWPM86024

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

Cypress 34 Federal #8H

9. API Well No.

30-015-39430

10. Field and Pool, or Exploratory Area

Wildcat 2nd Bone Spring

11. County or Parish, State

Edley 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 Amend APD
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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 to amend the APD for the Cypress 34 Federal #8H, API No. 30-015-39430 to test the 2nd Bone Spring formation with the following changes.

1. Amend the proposed TD's. Pilot Hole-9500'TVD - Horizontal Lateral-8881'-TVD 12975'-TMD
2. See attached for the amended production casing & cementing programs.
3. See attached for the amended proposed directional drilling plan.

The following wells are in the Cedar Canyon Bone Spring and completed in the 1st Bone Spring,

1. Cypress 34 Federal #1 - 30-015-35053 - TVD 7915'
2. Cypress 34 Federal #2 - 30-015-35413 - TVD 7964'
3. Cypress 34 Federal #3 - 30-015-35692 - TVD 7949'
4. Cypress 34 Federal #5 - 30-015-35693 - TVD 7924'

RECEIVED

MAR 23 2012

NMOCD ARTESIA

Depend per potash
review
M.H. Dargatzis
3/21/2012

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title Regulatory Advisor

Signature

Date

3/13/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

Office

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

(Instructions on page 2)

Accepted for record

NMOCD TCS

3/27/2012

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39430	Pool Code 97148	Pool Name Wash View Delaware, SW
Property Code 304798	Property Name CYPRESS "34" FED.	Well Number 8H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3041.3'

Surface Location

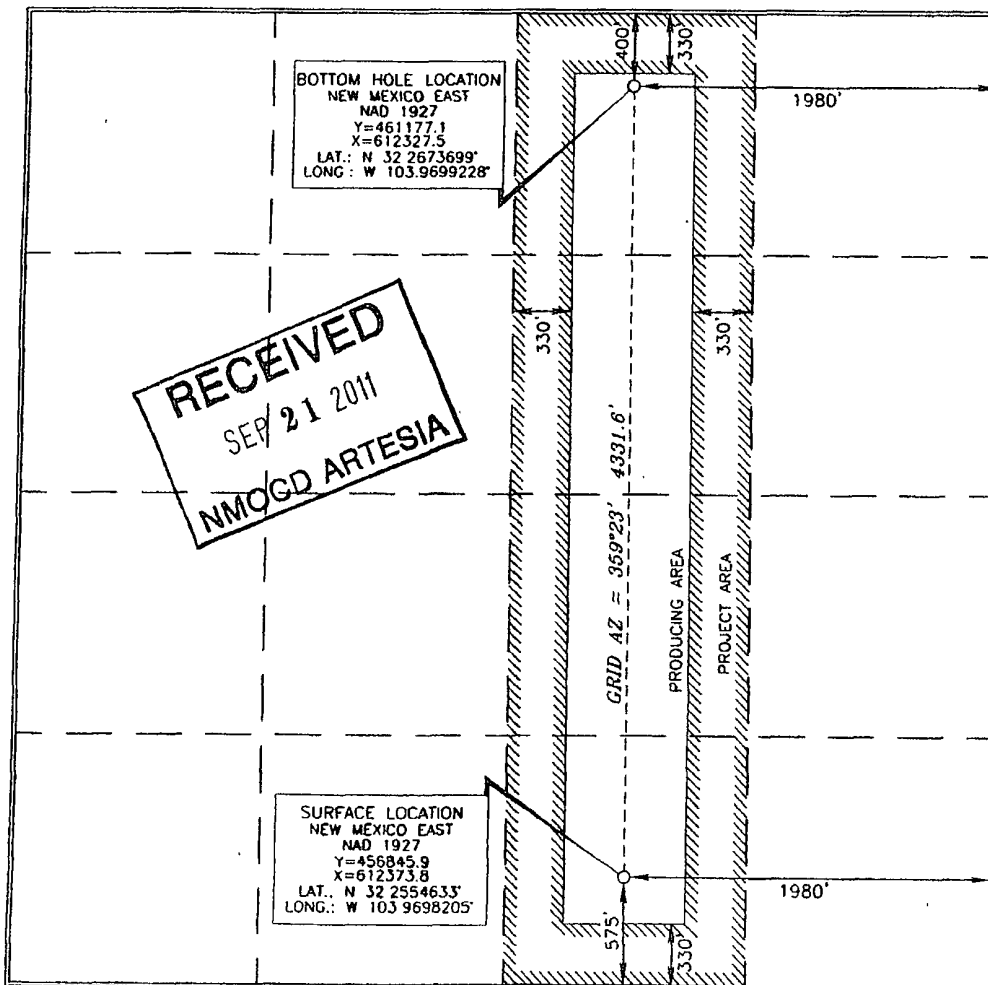
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	23 SOUTH	29 EAST, N.M.P.M.		575'	SOUTH	1980'	EAST	EDDY

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
B	34	23 SOUTH	29 EAST, N.M.P.M.		400'	NORTH	1980'	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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.

David Stewart 5/18/11
Signature Date

David Stewart
Printed Name

SURVEYOR CERTIFICATION

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

15079
JANUARY 6, 2011
Date of Survey

Surveyor
Signature and Seal of Professional Surveyor

2/18/2011
Certificate Number 15079

WO# 110106WL-b (KA)

AMENDED APD

Operator Name/Number:	OXY USA Inc.	16696
Lease Name/Number:	Cypress 34 Federal #8H - 304798	Federal Lease No. NMNM86024
Pool Name/Number:	Wildcat 2nd Bone Spring	Cedar Canyon Bone Spring - 11520
Surface Location:	575 FSL 1980 FEL SWSE(O) Sec 34 T23S R29E	
Bottom Hole Location:	330 FNL 1980 FEL NWNE(B) Sec 34 T23S R29E	

C-102 Plats: 1/6/11 2/27/12 Elevation: 3041.3' GL

Proposed TD:	Pilot Hole	<u>9500'</u>	TVD	Horizontal Lateral	<u>8881'</u>	TVD	<u>12975'</u>	TMD
SL - Lat: 32.2554633	Long: 103.9698205		X= 612373.8	Y= 456845.9		NAD - 1927		
BH - Lat: 32.2675623	Long: 103.9699245		X= 612326.8	Y= 461247.1		NAD - 1927		

Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Condition</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
17-1/2"	400'	13-3/8"	48	ST&C	H-40	New	5.72	12.84	16.77
				Hole filled with 8.9# Mud			770#	1730#	
12-1/4"	3100'	9-5/8"	40	LT&C	J-55	New	1.97	3.03	4.19
				Hole filled with 10# Mud			2570#	3950#	
8-3/4"	12975' M	5-1/2"	17	LT&C	N-80	New	2.04	2.51	1.58
DVT @ 6000' - POST @ 3150'				Hole filled with 9.2# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program

- a. 13-3/8" Surface Circulate cement to surface w/ 290sx PP cmt w/ 4% Bentonite + .25#/sx Poly-E-Flake + 2% CaCl₂, 13.5ppg 1.75 yield 589# 24hr CS 165% Excess followed by 200sx PP cmt w/ 2% CaCl₂ 14.8ppg 1.35 yield 1608# 24hr CS 160% Excess
- b. 9-5/8" Intermediate Circulate cement to surface w/ 780sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 3#/sx Kol-Seal, 12.9ppg 1.87 yield 625# 24hr CS 105% Excess followed by 350sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 2125# 24hr CS 105% Excess
- c. 5-1/2" Production Cement 1st stage w/ 440sx HES Light PP cmt w/ 3#/sx Salt + 3#/sx Kol-Seal + 0.4% HR-601, 12.4ppg 2.11 yield 460# 24hr CS 85% Excess followed by 1280sx Super H cmt w/ 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + 0.4% CFR-3 + 0.15% HR-601 + 0.5% Halad R-344 13.2ppg 1.61 yield 1477# 24hr CS 85% Excess, Calc TOC 6000'.
Cement 2nd stage w/ 650sx HES light PP cmt w/ 3#/sx Salt + 3#/sx Kol-Seal + 0.1% HR-601, 12.4ppg 2.07 yield 431# 24hr CS 85% Excess followed by 100sx PP cmt w/ w/ 1% CaCl₂, 14.8ppg 1.34 yield 1907# 24hr CS 85% Excess, Calc TOC-3150'
Cement 3rd stage w/ 400sx HES Light PP cmt w/ 3#/sx Salt, 12.4ppg 1.98 yield 511# 24hr CS 85% Excess followed by 1280sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 2025# 24hr CS 85% Excess, Circ Surface
- d. Pilot Hole Plug Cement w/ 220sx CL H 50/50 Poz cmt w/ 0.3% CFR-3 + 0.1% HR-601, 14.4ppg 1.22 yield 1275# 24hr CS 35% excess from 9500' to +/-9000' followed by 265sx CI H 50/50 Poz cmt w/ 0.5% CFR-3, 14.4ppg 1.22 yield 1275# 24hr CS 35% Excess from 9000' to +/-8400' followed by 280sx PPC w/ 3% KCl + 0.75% CFR-3 + 0.3% HR-601, 17.5ppg .96 yield 6685# 24hr CS 35% Excess from 8400' to +/-7900'.

Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt.</u> <u>ppg</u>	<u>Visc</u> <u>sec</u>	<u>Fluid</u> <u>Loss</u>	<u>Type System</u>
0 - 400'	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
400 - 3100'	9.8-10.0	28-29	NC	Brine Water
3100 - 6000'	8.6-8.8	28-29	NC	Fresh Water
6000 - TD'	9.0-9.2	50-50	8-15	LSND

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.

BOP Program (1):

Surface None

Production 13-5/8" 10M two ram stack w/ 5M annular preventer, 10M Choke Manifold

Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

<u>Geological Marker</u>	<u>Depth</u>	<u>Source</u>
a. Upper Permian Sand	170'	Water
b. Anhydrite	337'	---
c. Top Salt	648'	---
d. Base Salt	2894'	---
e. Delaware	3101'	Oil
f. Bell Canyon	3133'	Oil
g. Cherry Canyon	3987'	Oil
h. Brushy Canyon	5195'	Oil
i. Bone Spring	6775'	Oil
j. 1st Bone Spring Sand	7795'	Oil
k. 2nd Bone Spring	8090'	Oil
l. 2nd Bone Spring Sand	8650'	Oil

Spacing Unit:

160ac

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District II
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State of New Mexico
Energy, Minerals & Natural Resources Department
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1220 South St. Francis Dr.
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Revised October 12, 2005
Submit to Appropriate District Office
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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39430	Pool Code	Pool Name Wilcox 2nd Bone Spring
Property Code 304798	Property Name CYPRESS "34" FEDERAL	Well Number 8H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3041.3'

Surface Location

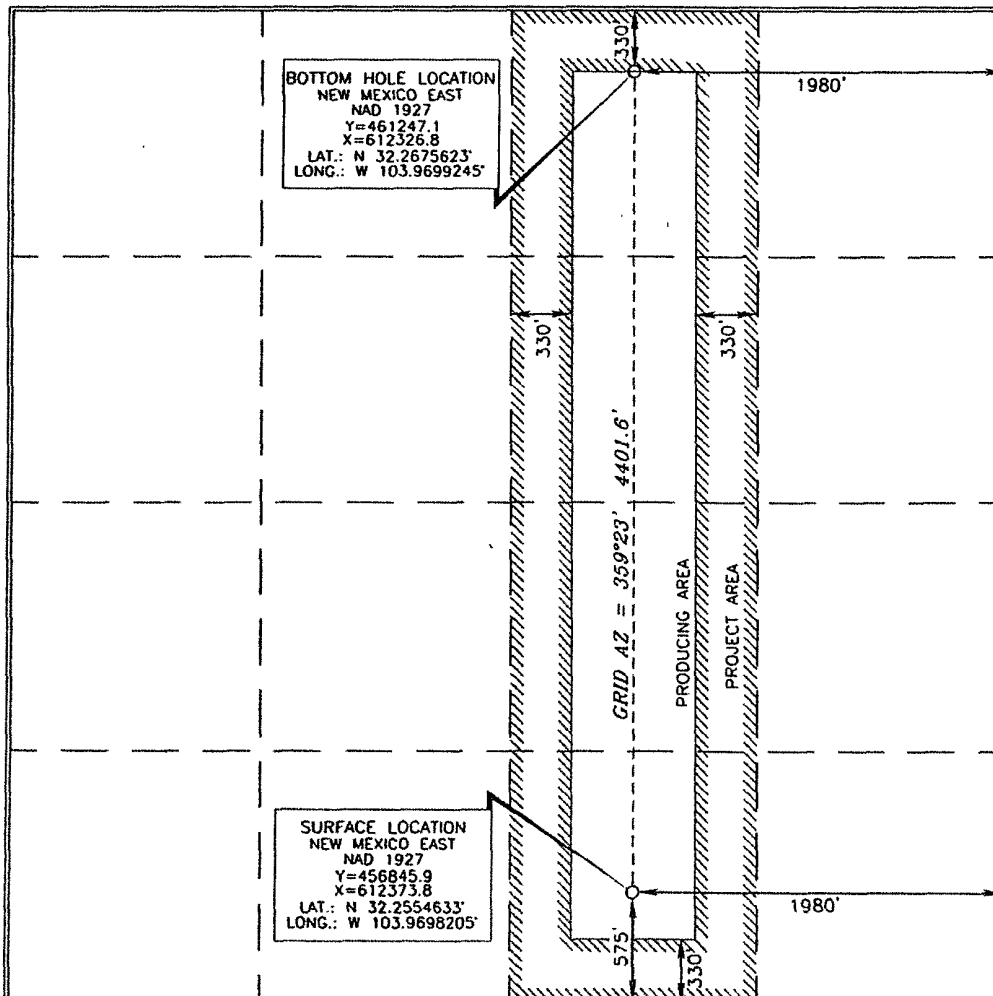
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	23 SOUTH	29 EAST, N.M.P.M.		575'	SOUTH	1980'	EAST	EDDY

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
B	34	23 SOUTH	29 EAST, N.M.P.M.		330'	NORTH	1980'	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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David Stewart 3/13/12
Signature Date

David Stewart - Reg. Ado.
Printed Name

SURVEYOR CERTIFICATION

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

15079
JANUARY 6, 2011
Date Survey

Signature and Seal of Professional Surveyor

Terry D. Hall 2/27/2011
Certificate Number 15079

WO# 110106WL-b (Rev. A) (KA)

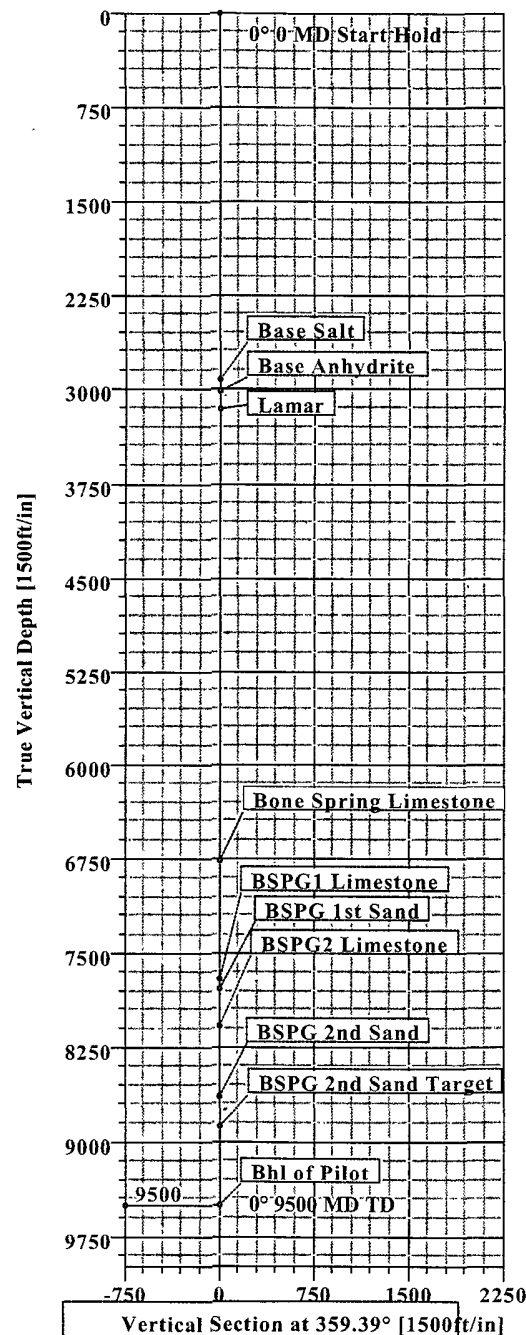


KB ELEV: 3066.30
GL ELEV: 3041.30



Occidental Permian Ltd.
Cypress 34 Fed #8H
Eddy Co, NM

Pilot Hole



Weatherford

FIELD DETAILS

Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

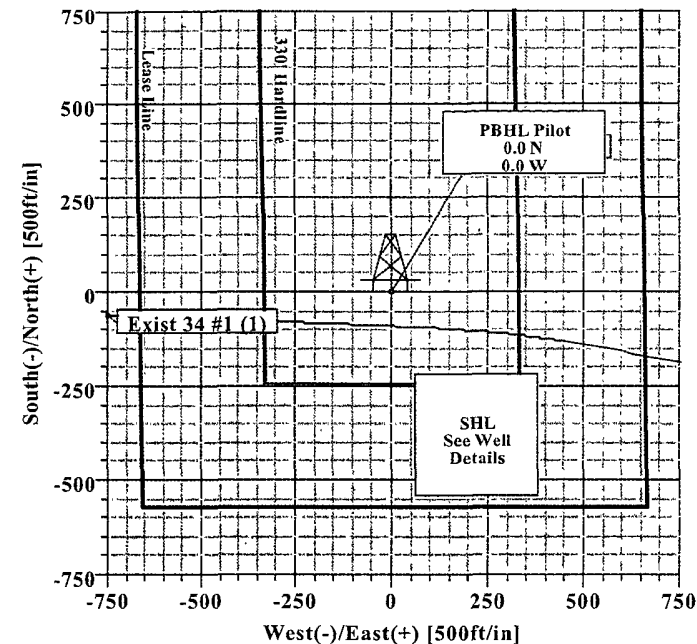
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Cypress 34 Fed #8H

Site Centre Northing: 456845.90
Easting: 612373.80

Ground Level: 3041.30
Positional Uncertainty: 0.00
Convergence: 0.19



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	0.00	

WELL DETAILS

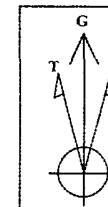
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#8H	0.00	0.00	456845.90	612373.80	32°15'19.668N	103°58'11.354W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
						None

LEGEND

- Cypress 34 Fed #7H (1)
- Cypress 34 Fed #7H (RSS Plan)
- #8H (Lateral)
- Exist 34 #1 (1)
- Exist 34 #2 (1)
- Exist 34 #3 (1)
- Pilot
- Plan #1



Azimuths to Grid North
True North: -0.19°
Magnetic North: 7.49°

Magnetic Field
Strength: 48542nT
Dip Angle: 60.13°
Date: 3/15/2012
Model: IGRF2010

Total Correction to Grid North: 7.49°

Plan: Plan #1 (#8H/Pilot)

Created By: Patrick Rudolph

Date: 2/27/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	2/27/2012	Time:	12:53:41	Page:	1
Field:	Eddy Co. NM (Nad:27)	Co-ordinate(NE) Reference:	Well: #8H, Grid North				
Site:	Cypress 34 Fed #8H	Vertical (TVD) Reference:	SITE 3065.0				
Well:	#8H	Section (VS) Reference:	Well (0.00N, 0.00E, 359.39Azi)				
Wellpath:	Pilot	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

Plan:	Plan #1	Date Composed:	2/27/2012
Principal:	Yes	Version:	1
		Tied-to:	From Surface

Field: Eddy Co, NM (Nad 27)

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Cypress 34 Fed #8H

Site Position:		Northing:	456845.90 ft	Latitude:	32 15 19.668 N
From: Map		Easting:	612373.80 ft	Longitude:	103 58 11.354 W
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	3041.30 ft			Grid Convergence:	0.19 deg

Well:	#8H	Slot Name:	
Well Position:	+N-S 0.00 ft	Northing:	456845.90 ft
	+E/-W 0.00 ft	Easting:	612373.80 ft
Position Uncertainty:	0.00 ft	Latitude:	32 15 19.668 N
		Longitude:	103 58 11.354 W

Wellpath:	Pilot	Drilled From:	Surface
Current Datum:	SITE	Tie-on Depth:	0.00 ft
Magnetic Data:	3/15/2012	Above System Datum:	Mean Sea Level
Field Strength:	48542 nT	Declination:	7.68 deg
Vertical Section:	Depth From (TVD)	Mag Dip Angle:	60.13 deg
	ft	+N-S	ft
		+E/-W	ft
		Direction	deg
	0.00	0.00	0.00
			359.39

Plan Section Information

MD	Incl	Azim	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	0.00	0.00	0.00	0.00	
9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	0.00	0.00	

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
235.00	0.00	0.00	235.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Csg
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	2/27/2012	Time:	12:53:41	Page:	2
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: #8H Grid/North				
Site:	Cypress 34 Fed #8H	Vertical (TVD) Reference:	SITE 3065.0				
Well:	#8H	Section (VS) Reference:	Well (0.00N 0.00E 359.39Azi)				
Wellpath:	Pilot	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	MapN ft	MapE ft	Comment
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
2935.00	0.00	0.00	2935.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Base Salt
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3025.00	0.00	0.00	3025.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Base Anhydrite
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3160.00	0.00	0.00	3160.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Lamar
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 2/27/2012 Time: 12:53:41 Page: 3
Field: Eddy Co. NM (Nad.27) Co-ordinate(NE) Reference: Well: #8H, Grid North
Site: Cypress 34 Fed #8H Vertical (TVD) Reference: SITE 3065.0
Well: #8H Section (VS) Reference: Well: (0.00N:0.00E 359.39Azi)
Wellpath: Pilot 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	MapN ft	MapE ft	Comment
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6775.00	0.00	0.00	6775.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Bone Spring Limest
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7705.00	0.00	0.00	7705.00	0.00	0.00	0.00	0.00	456845.90	612373.80	BSPG1 Limestone
7795.00	0.00	0.00	7795.00	0.00	0.00	0.00	0.00	456845.90	612373.80	BSPG 1st Sand
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8090.00	0.00	0.00	8090.00	0.00	0.00	0.00	0.00	456845.90	612373.80	BSPG2 Limestone
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8650.00	0.00	0.00	8650.00	0.00	0.00	0.00	0.00	456845.90	612373.80	BSPG 2nd Sand
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8881.00	0.00	0.00	8881.00	0.00	0.00	0.00	0.00	456845.90	612373.80	BSPG 2nd Sand Targ
8900.00	0.00	0.00	8900.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9200.00	0.00	0.00	9200.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9300.00	0.00	0.00	9300.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9400.00	0.00	0.00	9400.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	456845.90	612373.80	Bhl of Pilot

Targets

Name	Description Dip	TVD Dir	+N/-S	+E/-W	Map Northing	Map Easting	Latitude Deg Min Sec	Longitude Deg Min Sec
------	--------------------	------------	-------	-------	-----------------	----------------	-------------------------	--------------------------

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
235.00	235.00	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
9500.00	9500.00	Bhl of Pilot



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 2/27/2012	Time: 12:53:41	Page: 4
Field: Eddy Co. NM (Nad. 27)	Co-ordinate (NE) Reference:	Well: #8H Grid North	
Site: Cypress 34 Fed #8H	Vertical (TVD) Reference:	SITE 3065.0	
Well: #8H	Section (VS) Reference:	Well (0.00N, 0.00E, 359.39Azi)	
Wellpath: Pilot	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2935.00	2935.00	Base Salt		0.00	0.00
3025.00	3025.00	Base Anhydrite		0.00	0.00
3160.00	3160.00	Lamar		0.00	0.00
6775.00	6775.00	Bone Spring Limestone		0.00	0.00
7705.00	7705.00	BSPG1 Limestone		0.00	0.00
7795.00	7795.00	BSPG 1st Sand		0.00	0.00
8090.00	8090.00	BSPG2 Limestone		0.00	0.00
8650.00	8650.00	BSPG 2nd Sand		0.00	0.00
8881.00	8881.00	BSPG 2nd Sand Target		0.00	0.00



Occidental Permian Ltd.
Cypress 34 Fed #8H
Eddy Co, NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	
2	8164.80	0.00	359.39	8164.80	0.00	0.00	0.00	0.00	0.00	
3	9289.80	90.00	359.39	8881.00	716.16	-7.66	8.00	359.39	716.20	
4	12975.01	90.00	359.39	8881.00	4401.16	-47.05	0.00	0.00	4401.41	Pbhl #3

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#8H	0.00	0.00	456845.90	612373.80	32°15'19.668N	103°58'11.354W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl #3	8881.00	4401.16	-47.05	461247.06	612326.75	Point

SITE DETAILS

Cypress 34 Fed #8H

Site Centre Northing: 456845.90
Easting: 612373.80

Ground Level: 3041.30
Positional Uncertainty: 0.00
Convergence: 0.19

FIELD DETAILS

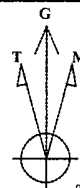
Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

LEGEND

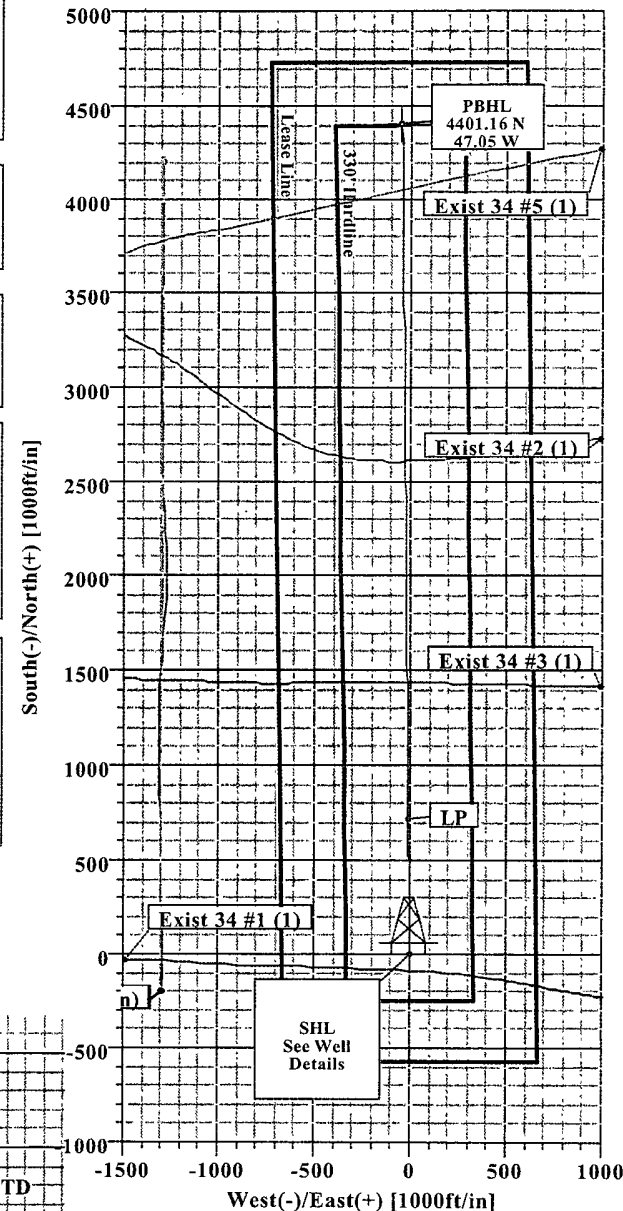
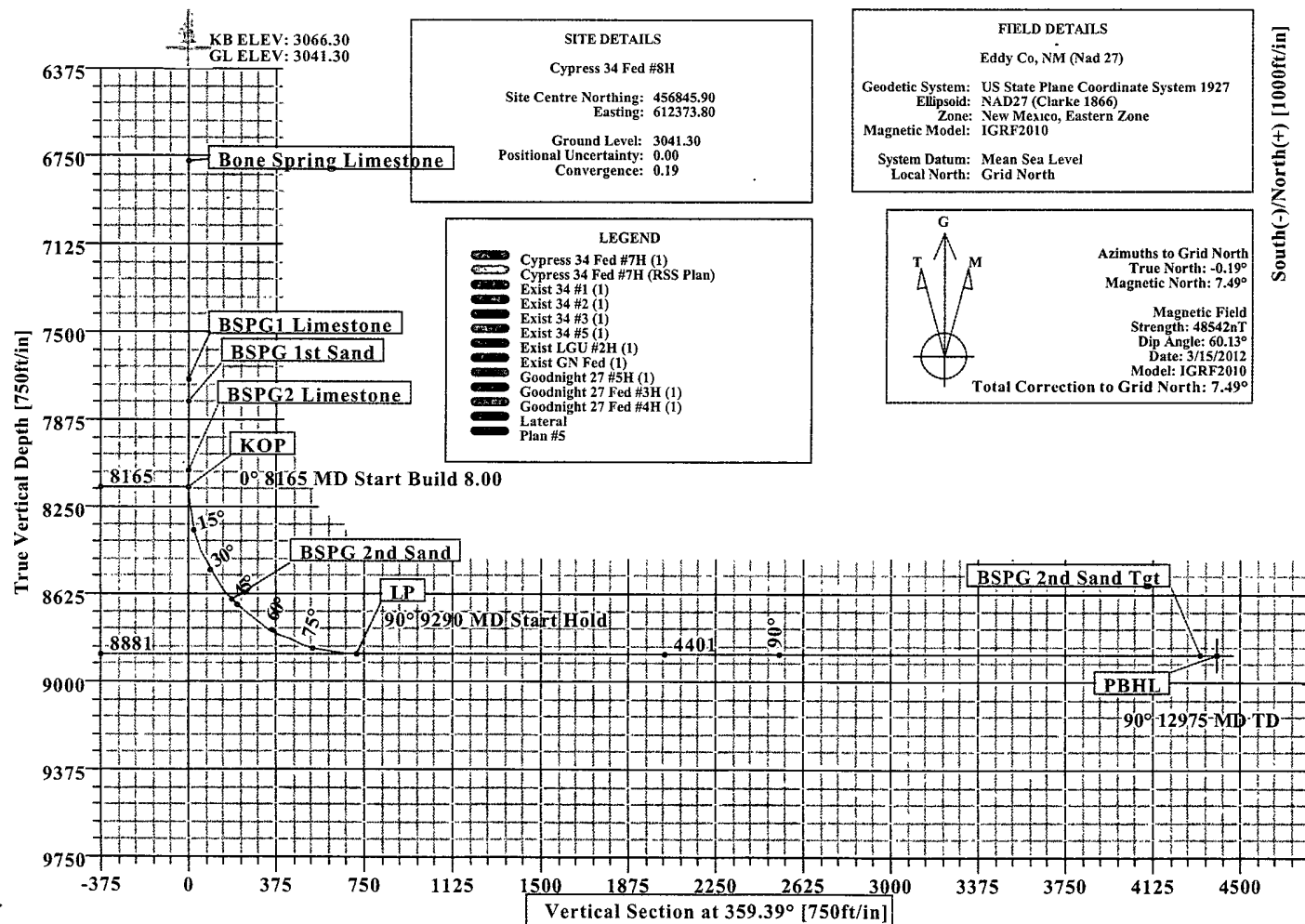
- Cypress 34 Fed #7H (1)
- Cypress 34 Fed #7H (RSS Plan)
- Exist 34 #1 (1)
- Exist 34 #2 (1)
- Exist 34 #3 (1)
- Exist 34 #5 (1)
- Exist LGU #2H (1)
- Exist GN Fed (1)
- Goodnight 27 #5H (1)
- Goodnight 27 Fed #3H (1)
- Goodnight 27 Fed #4H (1)
- Lateral
- Plan #5



Azimuths to Grid North
True North: -0.19°
Magnetic North: 7.49°

Magnetic Field
Strength: 48542nT
Dip Angle: 60.13°
Date: 3/15/2012
Model: IGRF2010

Total Correction to Grid North: 7.49°



Weatherford®

Plan: Plan #5 (#8H/Lateral)

Created By: Patrick Rudolph

Date: 2/27/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 2/27/2012 Time: 12:10:18 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: #8H, Grid North
 Site: Cypress 34 Fed #8H Vertical (TVD) Reference: SITE 3065.0
 Well: #8H Section (VS) Reference: Well: (0.00N,0.00E,359.39Azi)
 Wellpath: Lateral Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #5 Date Composed: 2/27/2012
 Principal: Yes Version: 1
 Tied-to: From Surface

Field: Eddy Co, NM (Nad 27)
 Map System: US State Plane Coordinate System 1927 Map Zone: New Mexico, Eastern Zone
 Geo Datum: NAD27 (Clarke 1866) Coordinate System: Well Centre
 Sys Datum: Mean Sea Level Geomagnetic Model: IGRF2010

Site: Cypress 34 Fed #8H
 Site Position: Northing: 456845.90 ft Latitude: 32 15 19.668 N
 From: Map Easting: 612373.80 ft Longitude: 103 58 11.354 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3041.30 ft Grid Convergence: 0.19 deg

Well: #8H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 456845.90 ft Latitude: 32 15 19.668 N
 +E/-W 0.00 ft Easting: 612373.80 ft Longitude: 103 58 11.354 W
 Position Uncertainty: 0.00 ft

Wellpath: Lateral
 Current Datum: SITE Height 3065.00 ft
 Magnetic Data: 3/15/2012
 Field Strength: 48542 nT
 Vertical Section: Depth From (TVD) +N/-S Direction
 ft ft ft deg
 0.00 0.00 0.00 359.39

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8164.80	0.00	359.39	8164.80	0.00	0.00	0.00	0.00	0.00	0.00	
9289.80	90.00	359.39	8881.00	716.16	-7.66	8.00	8.00	0.00	359.39	
12975.01	90.00	359.39	8881.00	4401.16	-47.05	0.00	0.00	0.00	0.00	Pbhl #3

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8100.00	0.00	359.39	8100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
8164.80	0.00	359.39	8164.80	0.00	0.00	0.00	0.00	456845.90	612373.80	KOP
8200.00	2.82	359.39	8199.99	0.86	-0.01	0.86	8.00	456846.76	612373.79	
8250.00	6.82	359.39	8249.80	5.06	-0.05	5.06	8.00	456850.96	612373.75	
8300.00	10.82	359.39	8299.20	12.72	-0.14	12.72	8.00	456858.62	612373.66	
8350.00	14.82	359.39	8347.94	23.81	-0.25	23.81	8.00	456869.71	612373.55	
8400.00	18.82	359.39	8395.80	38.27	-0.41	38.27	8.00	456884.17	612373.39	
8450.00	22.82	359.39	8442.52	56.03	-0.60	56.04	8.00	456901.93	612373.20	
8500.00	26.82	359.39	8487.90	77.01	-0.82	77.02	8.00	456922.91	612372.98	
8550.00	30.82	359.39	8531.70	101.11	-1.08	101.11	8.00	456947.01	612372.72	
8600.00	34.82	359.39	8573.71	128.20	-1.37	128.21	8.00	456974.10	612372.43	
8650.00	38.82	359.39	8613.73	158.15	-1.69	158.16	8.00	457004.05	612372.11	
8697.87	42.65	359.39	8650.00	189.38	-2.02	189.39	8.00	457035.28	612371.78	BSPG 2nd Sand
8700.00	42.82	359.39	8651.56	190.83	-2.04	190.84	8.00	457036.73	612371.76	
8750.00	46.82	359.39	8687.02	226.06	-2.42	226.07	8.00	457071.96	612371.38	
8800.00	50.82	359.39	8719.94	263.68	-2.82	263.69	8.00	457109.58	612370.98	
8850.00	54.82	359.39	8750.15	303.50	-3.24	303.52	8.00	457149.40	612370.56	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 2/27/2012 Time: 12:10:18 Page: 2
Field: Eddy Co. NM (Nad 27) Co-ordinate(NE) Reference: Well: #8H Grid North
Site: Cypress 34 Fed #8H Vertical (TVD) Reference: SITE 3065.0
Well: #8H Section (VS) Reference: Well (0.00N,0.00E,359.39Azi)
Wellpath: Lateral 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	MapN ft	MapE ft	Comment
8900.00	58.82	359.39	8777.51	345.34	-3.69	345.36	8.00	457191.24	612370.11	
8950.00	62.82	359.39	8801.89	388.98	-4.16	389.00	8.00	457234.88	612369.64	
9000.00	66.82	359.39	8823.16	434.21	-4.64	434.24	8.00	457280.11	612369.16	
9050.00	70.82	359.39	8841.23	480.82	-5.14	480.85	8.00	457326.72	612368.66	
9100.00	74.82	359.39	8856.00	528.58	-5.65	528.61	8.00	457374.48	612368.15	
9150.00	78.82	359.39	8867.40	577.25	-6.17	577.28	8.00	457423.15	612367.63	
9200.00	82.82	359.39	8875.38	626.59	-6.70	626.63	8.00	457472.49	612367.10	
9250.00	86.82	359.39	8879.89	676.38	-7.23	676.42	8.00	457522.28	612366.57	
9289.80	90.00	359.39	8881.00	716.16	-7.66	716.20	8.00	457562.06	612366.14	LP
9300.00	90.00	359.39	8881.00	726.35	-7.76	726.39	0.00	457572.25	612366.04	
9400.00	90.00	359.39	8881.00	826.35	-8.83	826.39	0.00	457672.25	612364.97	
9500.00	90.00	359.39	8881.00	926.34	-9.90	926.39	0.00	457772.24	612363.90	
9600.00	90.00	359.39	8881.00	1026.34	-10.97	1026.39	0.00	457872.24	612362.83	
9700.00	90.00	359.39	8881.00	1126.33	-12.04	1126.39	0.00	457972.23	612361.76	
9800.00	90.00	359.39	8881.00	1226.32	-13.11	1226.39	0.00	458072.22	612360.69	
9900.00	90.00	359.39	8881.00	1326.32	-14.18	1326.39	0.00	458172.22	612359.62	
10000.00	90.00	359.39	8881.00	1426.31	-15.25	1426.39	0.00	458272.21	612358.55	
10100.00	90.00	359.39	8881.00	1526.31	-16.32	1526.39	0.00	458372.21	612357.48	
10200.00	90.00	359.39	8881.00	1626.30	-17.38	1626.39	0.00	458472.20	612356.42	
10300.00	90.00	359.39	8881.00	1726.30	-18.45	1726.39	0.00	458572.20	612355.35	
10400.00	90.00	359.39	8881.00	1826.29	-19.52	1826.39	0.00	458672.19	612354.28	
10500.00	90.00	359.39	8881.00	1926.28	-20.59	1926.39	0.00	458772.18	612353.21	
10600.00	90.00	359.39	8881.00	2026.28	-21.66	2026.39	0.00	458872.18	612352.14	
10700.00	90.00	359.39	8881.00	2126.27	-22.73	2126.39	0.00	458972.17	612351.07	
10800.00	90.00	359.39	8881.00	2226.27	-23.80	2226.39	0.00	459072.17	612350.00	
10900.00	90.00	359.39	8881.00	2326.26	-24.87	2326.39	0.00	459172.16	612348.93	
11000.00	90.00	359.39	8881.00	2426.26	-25.94	2426.39	0.00	459272.16	612347.86	
11100.00	90.00	359.39	8881.00	2526.25	-27.01	2526.39	0.00	459372.15	612346.79	
11200.00	90.00	359.39	8881.00	2626.24	-28.07	2626.39	0.00	459472.14	612345.73	
11300.00	90.00	359.39	8881.00	2726.24	-29.14	2726.39	0.00	459572.14	612344.66	
11400.00	90.00	359.39	8881.00	2826.23	-30.21	2826.39	0.00	459672.13	612343.59	
11500.00	90.00	359.39	8881.00	2926.23	-31.28	2926.39	0.00	459772.13	612342.52	
11600.00	90.00	359.39	8881.00	3026.22	-32.35	3026.39	0.00	459872.12	612341.45	
11700.00	90.00	359.39	8881.00	3126.22	-33.42	3126.39	0.00	459972.12	612340.38	
11800.00	90.00	359.39	8881.00	3226.21	-34.49	3226.39	0.00	460072.11	612339.31	
11900.00	90.00	359.39	8881.00	3326.20	-35.56	3326.39	0.00	460172.10	612338.24	
12000.00	90.00	359.39	8881.00	3426.20	-36.63	3426.39	0.00	460272.10	612337.17	
12100.00	90.00	359.39	8881.00	3526.19	-37.69	3526.39	0.00	460372.09	612336.11	
12200.00	90.00	359.39	8881.00	3626.19	-38.76	3626.39	0.00	460472.09	612335.04	
12300.00	90.00	359.39	8881.00	3726.18	-39.83	3726.39	0.00	460572.08	612333.97	
12400.00	90.00	359.39	8881.00	3826.18	-40.90	3826.39	0.00	460672.08	612332.90	
12500.00	90.00	359.39	8881.00	3926.17	-41.97	3926.39	0.00	460772.07	612331.83	
12600.00	90.00	359.39	8881.00	4026.16	-43.04	4026.39	0.00	460872.06	612330.76	
12700.00	90.00	359.39	8881.00	4126.16	-44.11	4126.39	0.00	460972.06	612329.69	
12800.00	90.00	359.39	8881.00	4226.15	-45.18	4226.39	0.00	461072.05	612328.62	
12900.00	90.00	359.39	8881.00	4326.15	-46.25	4326.39	0.00	461172.05	612327.55	BSPG 2nd Sand Tgt
12975.01	90.00	359.39	8881.00	4401.16	-47.05	4401.41	0.00	461247.06	612326.75	Pbhl #3



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 2/27/2012 Time: 12:10:18 Page: 3
Field: Eddy Co. NM (Nad 27) Co-ordinate(NE) Reference: Well: #8H Grid: North
Site: Cypress 34 Fed #8H Vertical (TVD) Reference: SITE 3065.0
Well: #8H Section (VS) Reference: Well (0.00N 0.00E:359.39Azi)
Wellpath: Lateral Survey Calculation Method: Minimum Curvature Db: Sybase

Targets

Name	Description	TVD	+N/-S	+E/-W	Map Northing	Map Easting	Latitude	Longitude
Dip	Dir	ft	ft	ft	ft	ft	Deg Min Sec	Deg Min Sec
Pbhl #3		8881.00	4401.16	-47.05	461247.06	612326.75	32 16 3.224 N	103 58 11.728 W

Casing Points

MD	TVD	Diameter	Hole Size	Name
ft	ft	in	in	
235.00	235.00	0.000	0.000	Csg
3125.00	3125.00	0.000	0.000	Csg

Annotation

MD	TVD	
ft	ft	
8164.80	8164.80	KOP
9289.80	8881.00	LP
12975.01	8881.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction
ft	ft			deg	deg
2935.00	2935.00	Base Salt		0.00	0.00
3025.00	3025.00	Base Anhydrite		0.00	0.00
3160.00	3160.00	Lamar		0.00	0.00
6775.00	6775.00	Bone Spring Limestone		0.00	0.00
7705.00	7705.00	BSPG1 Limestone		0.00	0.00
7795.00	7795.00	BSPG 1st Sand		0.00	0.00
8090.00	8090.00	BSPG2 Limestone		0.00	0.00
8697.87	8650.00	BSPG 2nd Sand		0.00	0.00
12900.00	8881.00	BSPG 2nd Sand Tgt		0.00	0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0136
Expires: November 30, 2000

R-111-POTASH

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM086024	
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator OXY USA Inc.		7. Unit or CA Agreement Name and No.	
3a. Address P.O. Box 50250 Midland, TX 79710-0250		8. Lease Name and Well No. Cypress 34 Federal #8H	
3b. Phone No (include area code) 16696 432-685-5717		9. API Well No. 30-015-39430	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 575 FSL 1980 FEL SWSE(0) At proposed prod. zone 400 FNL 1980 FEL NWNE(B)		10. Field and Pool, or Exploratory Undsg, Nash Draw Delaware, SW	
14. Distance in miles and direction from nearest town or post office* 6 miles northeast from Loving, NM		11. Sec., T, R, M., or Blk and Survey or Area Sec 34 T23S R29E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg unit line, if any) 400'		12. County or Parish Eddy	
16. No. of Acres in lease 640		13. State NM	
17. Spacing Unit dedicated to this well 160		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1312'	
19. Proposed Depth 10851'M 6765'V		20. BLM/BIA Bond No. on file ES0136	
21. Elevations (Show whether DF, KDB, RT, GL, etc) 3041.3' GL		22. Approximate date work will start* 9/11/11	
23. Estimated duration 45			

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) David Stewart	Date 5/18/11
Title Regulatory Advisor		
Approved by (Signature) 	Name (Printed/Typed) William Merhege	Date 8/29/11
Title for Acting STATE DIRECTOR	Office NM STATE OFFICE	

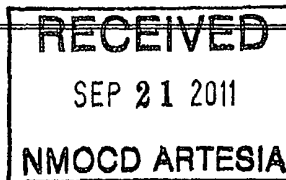
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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

*(Instructions on Reverse)

Carlsbad Controlled Water Basin



**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**Approval Subject to General Requirements
& Special Stipulations Attached**