

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCD Artesia

FORM 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 79710

3b. Phone No. (include area code)
432-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
S-1980FSL 1980FWL NESW (K) Sec 22 T24S R29E
BH-1980FSL 1980FWL WWSW (L) Sec 23 T24S R29E

5. Lease Serial No.

16696

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Cedar Canyon 22 #1H

9. API Well No.

30-015-40668

10. Field and Pool, or Exploratory Area

Cornel Drew Bone Springs

11. County or Parish, State

Elly 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	
	☐ 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 recomplete 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 recompletion 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 Cedar Canyon 22 #1H, API No. 30-015-40668 with the following changes.

1. Amend the proposed TD's. 7926'-TVD 11941'-TMD
2. Amend proposed directional drilling plan, see attached.
3. Amend surface casing and cementing program, per BLM recommended setting depth, see attached.
4. Amend intermediate casing program, see attached.
5. Amend production casing and cementing program, move DVT, see attached.

Accepted for record
NMOCB 10/3/2012

Original COA Still Applies w/changes

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

David Stewart

Title Regulatory Advisor

Signature

[Signature]

Date

10/18/12



THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

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

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)

AMENDED APD:

Operator Name/Number:	OXY USA Inc.	16696
Lease Name/Number:	Cedar Canyon 22 #1H	
Pool Name/Number:	Corral Draw Bone Spring	96238
Surface Location:	1980 FSL 1980 FWL NESW(K) Sec 22 T24S R29E	Federal Lease No. NMNM81586
Bottom Hole Location:	1980 FSL 980 FWL NWSW(L) Sec 23 T24S R29E	Federal Lease No. NMNM81586

SUMMARY OF CHANGES

- BLM requested a change on the depth of the surface casing. Surface casing and cementing program have been updated to reflect this changes.
- To avoid overdesign, the intermediate casing depth at 3250' allows us to run 9 5/8" 36# J55 STC casing, see below for the new design factors.
- To maximize the length of the lateral, the BHL has been changed to reflect this. The new plat and directional plan reflect this change. The new BHL falls within the "producing area", being 1980 FSL and 980 FWL, Sec 23 T24S R29E. Production casing and cementing program has been updated to reflect new volumes. DV tool was been moved to 6500' to minimize the chances of losing circulation on the first stage.

Proposed TD:	7926'	TVD	11941'	TMD	Elevation: 2982' GL
SL - Lat: 32.200990	Long: 103.973991	X= 611150.7	Y= 437025.8	NAD - 1927	
BH - Lat: 32.200972	Long: 103.960102	X= 615447.0	Y= 437033.6	NAD - 1927	

3. Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	0-445'	13-3/8"	48	ST&C	H-40	New	3.74	7.17	15.07
				Hole filled with 8.9# Mud			770#	1730#	
12-1/4"	0-3250'	9-5/8"	36	LT&C	J-55	New	1.8	1.32	3.82
				Hole filled with 10# Mud			2980#	3520#	
8-3/4"	0-11941' M	5-1/2"	17	LT&C	L-80	New	2.08	2.54	1.73
DVT @ 6500' - POST @ 3300'				Hole filled with 9.2# Mud			6280#	7740#	

4. Cement Program:

- 13-3/8" Surface Circulate cement to surface w/ 220sx PP cmt w/ 4% Bentonite + .125#/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 165% Excess.
- 9-5/8" Intermediate Circulate cement to surface w/ 880sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 3#/sx Kol Seal, 12.9ppg 1.87 yield 840# 24hs CS 105% Excess followed by 200sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.33 yield 2125# 24hr CS 105% Excess.
- 5-1/2" Production Cement 1st stage w/ 190sx HES light PP cmt w/ 3#/sx Kol Seal + 3#/sx salt + .3% HR-601, 12.4ppg 2.08 yield 460# 24hr CS 85% Excess followed by 1360sx Super H w/ .4% CFR-3 + .5% Halad-344 + .125#/sx Poly-E-Flake + 3#/sx Kol-Seal + .3% HR-601, 13.2ppg 1.61 yield 1372# 24hr CS 85% Excess, Calc TOC-6495'
DVT @ 6500' Cement 2nd stage w/ 760sx HES light PP cmt w/ 3#/sx Kol Seal + 3#/sx salt, 12.4ppg 2.07 yield 610# 24hr CS 125% Excess followed by 200sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 1428# 24hr CS 125% Excess, Calc TOC-3295'
POST @ 3300' Cement 3rd stage w/ 420sx HES Light PP cmt w/ 3#/sx Salt, 12.4ppg 2.05 yield 511# 24hr CS 10% Excess followed by 100sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 2025# 24hr CS 200% Excess, Circ Surface

Description of Cement Additives: Calcium Chloride, Salt (Accelerator), CFR-3 (Dispersant), Kol-Seal. Poly-E-Flake (Lost Circulation Additive), Halad-344 (Low Fluid Loss Control), HR-601 (Retarder)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
817 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

RECEIVED

OCT 31 2012

NMOCD ARTESIA

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40668	Pool Code 96238	Pool Name Central New Bone Springs
Property Code 39438	Property Name CEDAR CANYON 22	Well Number 1H
OGRID No. 16696	Operator Name OXY U.S.A. INC.	Elevation 2982'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	22	24-S	29-E		1980	SOUTH	1980	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	24-S	29-E		1980	SOUTH	980	WEST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.
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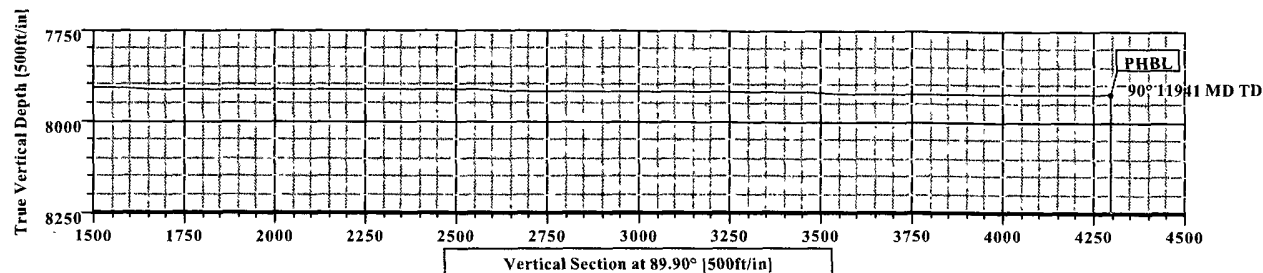
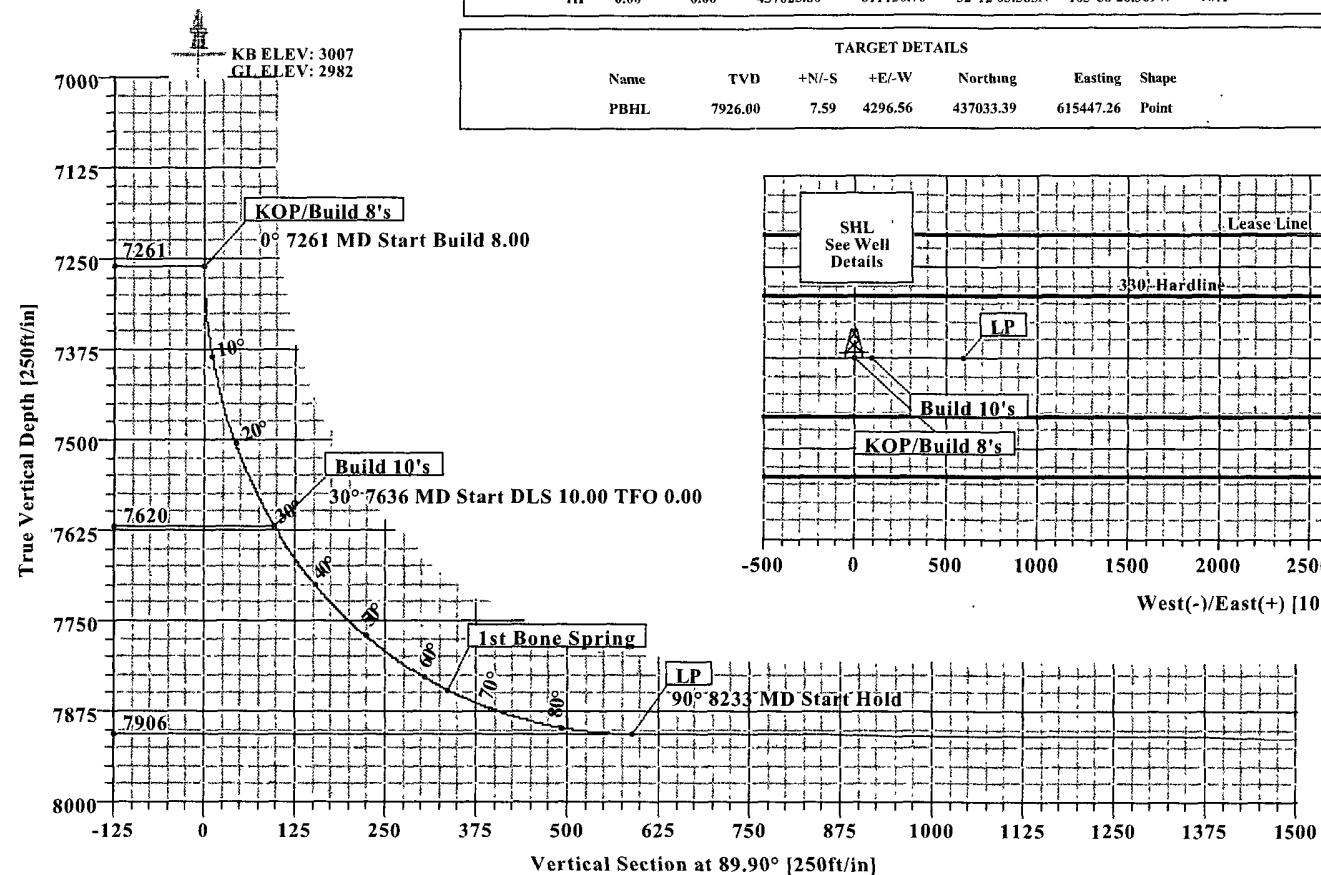
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SECTION 22 SECTION 23 PROJECT AREA GRID AZ = 89°53'48\" HORIZ. DIST. = 4297.3' PRODUCING AREA SCALE: 1"=2000' SECTION, QUARTER & SIXTEENTH CORNER COORDINATES TABLE ① - Y=437702.8 N, X=609169.1 E ② - Y=437699.8 N, X=614465.5 E ③ - Y=437717.6 N, X=617113.7 E ④ - Y=436372.2 N, X=609173.0 E ⑤ - Y=436373.2 N, X=614469.0 E ⑥ - Y=436392.2 N, X=617118.5 E DETAIL 2976.6' 2987.2' 600' 2979.0' 2984.9' GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=437025.8 N X=611150.7 E LAT.=32.200990° N LONG.=103.973991° W BOTTOM HOLE LOCATION Y=437033.6 N X=615447.0 E LAT.=32.200972° N LONG.=103.960102° W		OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <i>[Signature]</i> 10/18/12 Signature Date David Stewart Reg. Adv. Printed Name david_stewart@oxy.com E-mail Address
		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. AUGUST 9, 2011 Date of Survey Signature & Seal of Professional Surveyor: <i>[Signature]</i> 8/15/12 GARY G. EIDSON NEW MEXICO 12641 RECEIVED CERTIFICATE NUMBER Gary G. Eidson 12641 Ronald F. Eidson 3239 DSR Ref. Work. 12641 WSC W.O.: 12.13.1756



Occidental Permian Ltd.

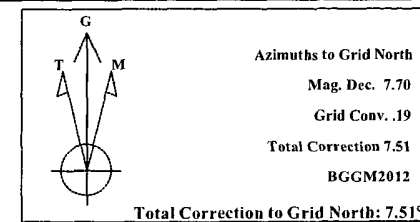
Cedar Canyon 22 #1H
Eddy Co, New Mexico



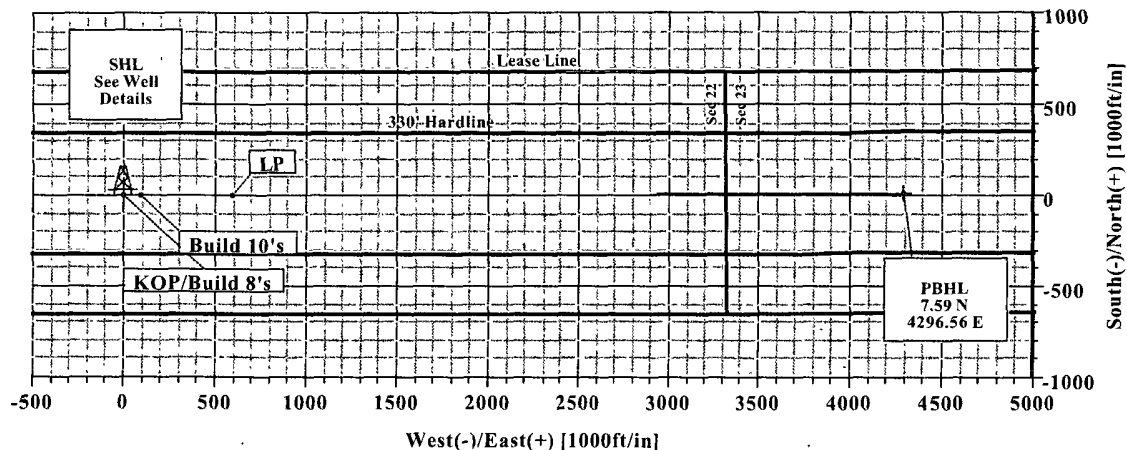
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	89.90	0.00	0.00	0.00	0.00	0.00	0.00	
2	7261.43	0.00	89.90	7261.43	0.00	0.00	0.00	89.90	0.00	
3	7636.43	30.00	89.90	7619.53	0.17	95.95	8.00	89.90	95.95	
4	8233.34	89.69	89.90	7906.00	1.04	589.06	10.00	0.00	589.06	
5	11940.90	89.69	89.90	7926.00	7.59	4296.56	0.00	0.00	4296.57	PBHL

WELL DETAILS							
Name +N/-S		+E/-W	Northing	Easting	Latitude	Longitude	Slot
1H	0.00	0.00	437025.80	611150.70	32°12'03.565N	103°58'26.369W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7926.00	7.59	4296.56	437033.39	615447.26	Point



SITE DETAILS	
Cedar Canyon 22 #1H	
Site Centre Northing:	437025.80
Easting:	611150.70
Ground Level:	2982.00
Positional Uncertainty:	0.00
Convergence:	0.19



Plan: Plan #4 (1H/1)
Created By: Patrick Rudolph Date: 10/12/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 10/12/2012 Time: 12:00:08 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: 1H, Grid North
 Site: Cedar Canyon 22 #1H Vertical (TVD) Reference: SITE 3007.0
 Well: 1H Section (VS) Reference: Well (0.00N,0.00E,89 90Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #4 Date Composed: 10/12/2012
 Principal: Yes Version: 1
 Tied-to: From Surface

Site: Cedar Canyon 22 #1H

Site Position: Northing: 437025.80 ft Latitude: 32 12 3.565 N
 From: Map Easting: 611150 70 ft Longitude: 103 58 26 369 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 2982.00 ft Grid Convergence: 0 19 deg

Well: 1H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 437025.80 ft Latitude: 32 12 3.565 N
 +E/-W 0.00 ft Easting: 611150 70 ft Longitude: 103 58 26.369 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Tie-on Depth: 0.00 ft
 Magnetic Data: 11/1/2012 Height 3007.00 ft Above System Datum: Mean Sea Level
 Field Strength: 48429 nT Declination: 7 70 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.02 deg
 ft +E/-W Direction
 0 00 0.00 0 00 89 90

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	89.90	0 00	0 00	0.00	0 00	0 00	0 00	0.00	
7261.43	0 00	89 90	7261.43	0.00	0.00	0 00	0.00	0 00	89.90	
7636.43	30.00	89 90	7619.53	0 17	95 95	8.00	8.00	0 00	89 90	
8233.34	89.69	89.90	7906.00	1.04	589.06	10.00	10.00	0 00	0.00	
11940.90	89.69	89.90	7926.00	7.59	4296.56	0.00	0 00	0 00	0.00	PBHL

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
7200.00	0 00	89 90	7200.00	0 00	0.00	0 00	0.00	437025.80	611150.70	
7261.43	0 00	89 90	7261.43	0.00	0.00	0 00	0.00	437025.80	611150.70	KOP/Build 8's
7300.00	3.09	89.90	7299.98	0 00	1.04	1.04	8 00	437025.80	611151.74	
7350.00	7.09	89 90	7349.77	0 01	5 47	5 47	8 00	437025.81	611156.17	
7400.00	11 09	89.90	7399.14	0.02	13.36	13 36	8.00	437025.82	611164.06	
7450.00	15.09	89 90	7447.83	0.04	24.68	24 68	8.00	437025.84	611175.38	
7500.00	19.09	89.90	7495.61	0 07	39.37	39 37	8 00	437025.87	611190.07	
7550.00	23 09	89.90	7542.26	0 10	57.35	57 35	8 00	437025.90	611208.05	
7600.00	27.09	89 90	7587.53	0 14	78.55	78.55	8 00	437025.94	611229.25	
7636.43	30.00	89.90	7619.53	0.17	95.95	95 95	8 00	437025.97	611246.65	Build 10's
7650.00	31.36	89.90	7631.20	0 18	102.88	102.88	10.00	437025.98	611253.58	
7700.00	36 36	89.90	7672.71	0.23	130.72	130.72	10.00	437026.03	611281.42	
7750.00	41.36	89.90	7711.63	0.28	162.08	162 08	10.00	437026.08	611312.78	
7800.00	46 36	89.90	7747.67	0.34	196.71	196.71	10.00	437026.14	611347.41	
7850.00	51 36	89 90	7780.56	0.41	234.36	234.36	10 00	437026.21	611385.06	
7900.00	56.36	89 90	7810.04	0.48	274.72	274 72	10.00	437026.28	611425.42	
7950.00	61 36	89.90	7835.89	0.56	317.50	317.50	10 00	437026.36	611468.20	
7971.86	63.54	89.90	7846.00	0.59	336.88	336.88	10.00	437026.39	611487.58	1st Bone Spring
8000.00	66 36	89.90	7857.91	0 64	362.37	362.37	10.00	437026.44	611513.07	
8050.00	71 36	89 90	7875.94	0.72	408.99	408 99	10 00	437026.52	611559.69	
8100.00	76 36	89.90	7889.84	0.80	457.00	457.00	10.00	437026.60	611607.70	
8150.00	81 36	89.90	7899.50	0.89	506.04	506 05	10.00	437026.69	611656.74	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Cedar Canyon 22 #1H
Well: 1H
Wellpath: 1

Date: 10/12/2012 Time: 12:00:08 Page: 2
Co-ordinate(NE) Reference: Well: 1H, Grid North
Vertical (TVD) Reference: SITE 3007.0
Section (VS) Reference: Well (0.00N,0.00E,89.90Azi)
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
8200.00	86.36	89.90	7904.85	0.98	555.74	555.74	10.00	437026.78	611706.44	LP
8233.34	89.69	89.90	7906.00	1.04	589.06	589.06	10.00	437026.84	611739.76	
8300.00	89.69	89.90	7906.36	1.15	655.72	655.72	0.00	437026.95	611806.42	
8400.00	89.69	89.90	7906.90	1.33	755.71	755.72	0.00	437027.13	611906.41	
8500.00	89.69	89.90	7907.44	1.51	855.71	855.71	0.00	437027.31	612006.41	
8600.00	89.69	89.90	7907.98	1.68	955.71	955.71	0.00	437027.48	612106.41	
8700.00	89.69	89.90	7908.52	1.86	1055.71	1055.71	0.00	437027.66	612206.41	
8800.00	89.69	89.90	7909.06	2.04	1155.71	1155.71	0.00	437027.84	612306.41	
8900.00	89.69	89.90	7909.60	2.21	1255.71	1255.71	0.00	437028.01	612406.41	
9000.00	89.69	89.90	7910.14	2.39	1355.70	1355.71	0.00	437028.19	612506.40	
9100.00	89.69	89.90	7910.67	2.57	1455.70	1455.71	0.00	437028.37	612606.40	
9200.00	89.69	89.90	7911.21	2.75	1555.70	1555.70	0.00	437028.55	612706.40	
9300.00	89.69	89.90	7911.75	2.92	1655.70	1655.70	0.00	437028.72	612806.40	
9400.00	89.69	89.90	7912.29	3.10	1755.70	1755.70	0.00	437028.90	612906.40	
9500.00	89.69	89.90	7912.83	3.28	1855.70	1855.70	0.00	437029.08	613006.40	
9600.00	89.69	89.90	7913.37	3.45	1955.70	1955.70	0.00	437029.25	613106.40	
9700.00	89.69	89.90	7913.91	3.63	2055.69	2055.70	0.00	437029.43	613206.39	
9800.00	89.69	89.90	7914.45	3.81	2155.69	2155.70	0.00	437029.61	613306.39	
9900.00	89.69	89.90	7914.99	3.98	2255.69	2255.69	0.00	437029.78	613406.39	
10000.00	89.69	89.90	7915.53	4.16	2355.69	2355.69	0.00	437029.96	613506.39	
10100.00	89.69	89.90	7916.07	4.34	2455.69	2455.69	0.00	437030.14	613606.39	
10200.00	89.69	89.90	7916.61	4.51	2555.69	2555.69	0.00	437030.31	613706.39	
10300.00	89.69	89.90	7917.15	4.69	2655.68	2655.69	0.00	437030.49	613806.38	
10400.00	89.69	89.90	7917.69	4.87	2755.68	2755.69	0.00	437030.67	613906.38	
10500.00	89.69	89.90	7918.23	5.04	2855.68	2855.69	0.00	437030.84	614006.38	
10600.00	89.69	89.90	7918.77	5.22	2955.68	2955.68	0.00	437031.02	614106.38	
10700.00	89.69	89.90	7919.31	5.40	3055.68	3055.68	0.00	437031.20	614206.38	
10800.00	89.69	89.90	7919.85	5.57	3155.68	3155.68	0.00	437031.37	614306.38	
10900.00	89.69	89.90	7920.38	5.75	3255.67	3255.68	0.00	437031.55	614406.37	
11000.00	89.69	89.90	7920.92	5.93	3355.67	3355.68	0.00	437031.73	614506.37	
11100.00	89.69	89.90	7921.46	6.11	3455.67	3455.68	0.00	437031.91	614606.37	
11200.00	89.69	89.90	7922.00	6.28	3555.67	3555.68	0.00	437032.08	614706.37	
11300.00	89.69	89.90	7922.54	6.46	3655.67	3655.67	0.00	437032.26	614806.37	
11400.00	89.69	89.90	7923.08	6.64	3755.67	3755.67	0.00	437032.44	614906.37	
11500.00	89.69	89.90	7923.62	6.81	3855.66	3855.67	0.00	437032.61	615006.36	
11600.00	89.69	89.90	7924.16	6.99	3955.66	3955.67	0.00	437032.79	615106.36	
11700.00	89.69	89.90	7924.70	7.17	4055.66	4055.67	0.00	437032.97	615206.36	
11800.00	89.69	89.90	7925.24	7.34	4155.66	4155.67	0.00	437033.14	615306.36	
11900.00	89.69	89.90	7925.78	7.52	4255.66	4255.66	0.00	437033.32	615406.36	PBHL
11940.90	89.69	89.90	7926.00	7.59	4296.56	4296.57	0.00	437033.39	615447.26	

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		
PBHL			7926.00	7.59	4296.56	437033.39	615447.26	32	12	3 496 N	103	57	36.364 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 10/12/2012	Time: 12:00:08	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: 1H, Grid North		
Site: Cedar Canyon 22 #1H	Vertical (TVD) Reference: SITE 3007-0		
Well: 1H	Section (VS) Reference: Well (0.00N,0.00E,89.90Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
500.00	500.00	0.000	0.000	Csg 1
3000.00	3000.00	0.000	0.000	Csg 2

Annotation

MD ft	TVD ft	
7261.43	7261.43	KOP/Build 8's
7636.43	7619.53	Build 10's
8233.34	7906.00	LP
11940.90	7926.00	PHBL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7971.86	7846.00	1st Bone Spring		0.00	0.00