

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM 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.*5. Lease Serial No.
NMLC050797

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
GOVERNMENT AC 13 FEDERAL 5H9. API Well No.
30-015-40880-00-X110. Field and Pool, or Exploratory
RUSSELL11. County or Parish, and State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA WTP LPContact: JENNIFER A DUARTE
E-Mail: JENNIFER_DUARTE@OXY.COM

3a. Address

HOUSTON, TX 77210

3b. Phone No. (include area code)
Ph: 713-513-6640

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

Sec 13 T20S R28E SWNW 1980FNL 350FWL

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, respectfully requests a dispensation from the approved permit as follows: NEW BOTTOM HOLE
LOCATION LOCATED IN WELL PLAT (c102)

GREATEST PROJECTED TD ?LATERAL LP?: 7900? MD / 7590? TVD GREATEST PROJECTED TD ?LATERAL TOE?:
12188? MD/ 7720? TVD

1. CASING PROGRAM (ALL NEW CASING) Production Casing ran in a 7.875" hole filled with 9.2 ppg mud

Hole Size
(in) Interval

(ft) OD

(in) Wt

(ppf) Grade Conn ID

(in) Tension

(klb) Burst

Accepted for record

NMOCD 105

8-8-14

SEE ATTACHED FOR
CONDITIONS OF APPROVALNM OIL CONSERVATION
ARTESIA DISTRICT

AUG 08 2014

RECEIVED

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

Electronic Submission #249929 verified by the BLM Well Information System.

For OXY USA WTP LP, sent to the Carlsbad

Committed to AFMSS for processing by CATHY QUEEN on 06/19/2014 (14CQ0494SE)

Name (Printed/Typed) JENNIFER A DUARTE

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 06/17/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By WESLEY INGRAM

Title PETROLEUM ENGINEER

Date 08/07/2014

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 #249929 that would not fit on the form

32. Additional remarks, continued

(psi) Collapse

(psi) Burst

SF Coll

SF Ten

SF

7.875 12188 5.500 17 L80 BTC 4.892 397 7740 6290 1.33 1.37 1.63

2. CEMENT PROGRAM: Production Casin

Interval Amount

sx Ft of

Fill Type Gal/Sk PPG Ft3/sk 24 Hr

Comp

Lead:

0? ? 6900? (100% Excess) 650 6900 Tuned Light (TM) System Class H.cement with 3 lbm/sk Kol-Seal (Lost Circulation Additive), 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive), 0.25 lbm/sk

HR-800 (Retarder) 14.05 10.2 2.95 947

Tail:

6900? ? 12188? (40% Excess) 785 5288 Super H Cement with 0.5 % Halad(R)-344 (Low Fluid Loss Control), 0.4 % CFR-3 (Dispersant), 3 lbm/sk Salt (Salt), 0.2 % HR-800 (Retarder), 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive) 8.55 13.2 1.64 1673

The volumes indicated above may be revised depending on caliper measurement.

3. DIRECTIONAL PLAN - Please see attached

Government AC 13 Federal 5H
30-015-40880
OXY USA WTP LP
August 7, 2014
Conditions of Approval

1. The minimum required fill of cement behind the 8-5/8 inch 2nd Intermediate casing is:

a. Primary cement job:

☒ Cement to circulate. If cement does not circulate, operator shall proceed with second stage.

Operator has proposed a contingency DV tool at 1350'. If operator circulates cement on the primary cement job, operator is approved to run the DV tool cancellation plug and cancel the second stage of the proposed cement plan. If cement does not circulate, operator will proceed with the second stage.

b. Second stage above contingency DV tool if required:

☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.

WW1 080706

WO 110920WL-e (Rev. 3) (KA)

OXY USA Inc
Government AC 13 Federal 5H APD SUNDRY Data

Oxy, respectfully requests a dispensation from the approved permit as follows:

NEW BOTTOM HOLE LOCATION LOCATED IN WELL PLAT (c102)

GREATEST PROJECTED TD "LATERAL LP": 7900' MD / 7590' TVD

GREATEST PROJECTED TD "LATERAL TOE": 12188' MD/ 7720' TVD

1. CASING PROGRAM (ALL NEW CASING)

Production Casing ran in a 7.875" hole filled with 9.2 ppg mud

Hole Size (in)	Interval (ft)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Tension (klb)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
7.875	12188	5.500	17	L80	BTC	4.892	397	7740	6290	1.33	1.37	1.63

2. CEMENT PROGRAM:

Production Casing

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' - 6900' (100% Excess)	650	6900	Tuned Light (TM) System Class H cement with 3 lbm/sk Kol-Seal (Lost Circulation Additive), 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive), 0.25 lbm/sk HR-800 (Retarder)	14.05	10.2	2.95	947
Tail: 6900' - 12188' (40% Excess)	785	5288	Super H Cement with 0.5 % Halad(R)-344 (Low Fluid Loss Control), 0.4 % CFR-3 (Dispersant), 3 lbm/sk Salt (Salt), 0.2 % HR-800 (Retarder), 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)	8.55	13.2	1.64	1673

The volumes indicated above may be revised depending on caliper measurement.

3. DIRECTIONAL PLAN - Please see attached



Government AC 13 Fed #5H
Eddy Co, New Mexico

KB ELEV: 3291.50
 GL ELEV: 3267.50

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	7017.30	0.00	0.00	7017.30	0.00	0.00	0.00	0.00	0.00	
3	7900.00	88.27	103.63	7590.00	-130.94	540.01	10.00	103.63	541.44	
4	8000.00	88.27	103.63	7593.02	-154.50	637.15	0.00	0.00	638.84	
5	8841.35	88.27	86.80	7618.59	-230.62	1471.63	2.00	-90.25	1474.11	
6	12187.93	88.27	86.80	7719.52	-43.62	4811.45	0.00	0.00	4811.64	PBHL

SITE DETAILS

Government AC 13 Fed #5H
 Site Centre Northing: 573111.30
 Easting: 560218.50
 Ground Level: 3267.50
 Positional Uncertainty: 0.00
 Convergence: 0.11

WELL DETAILS

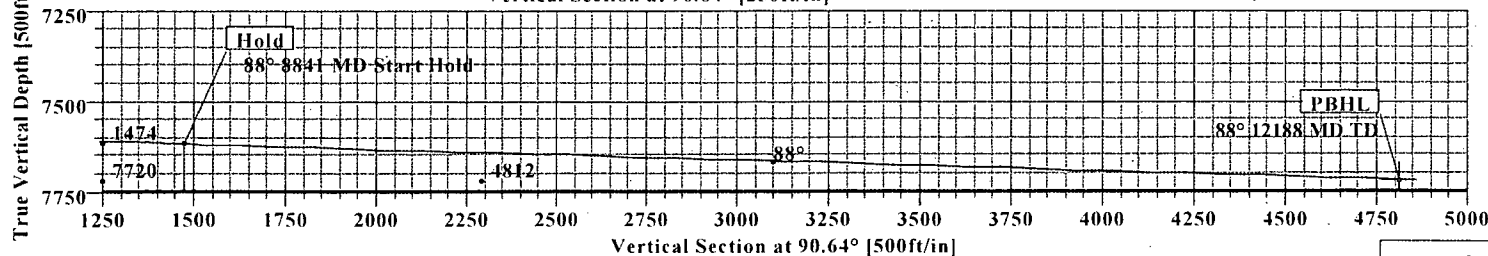
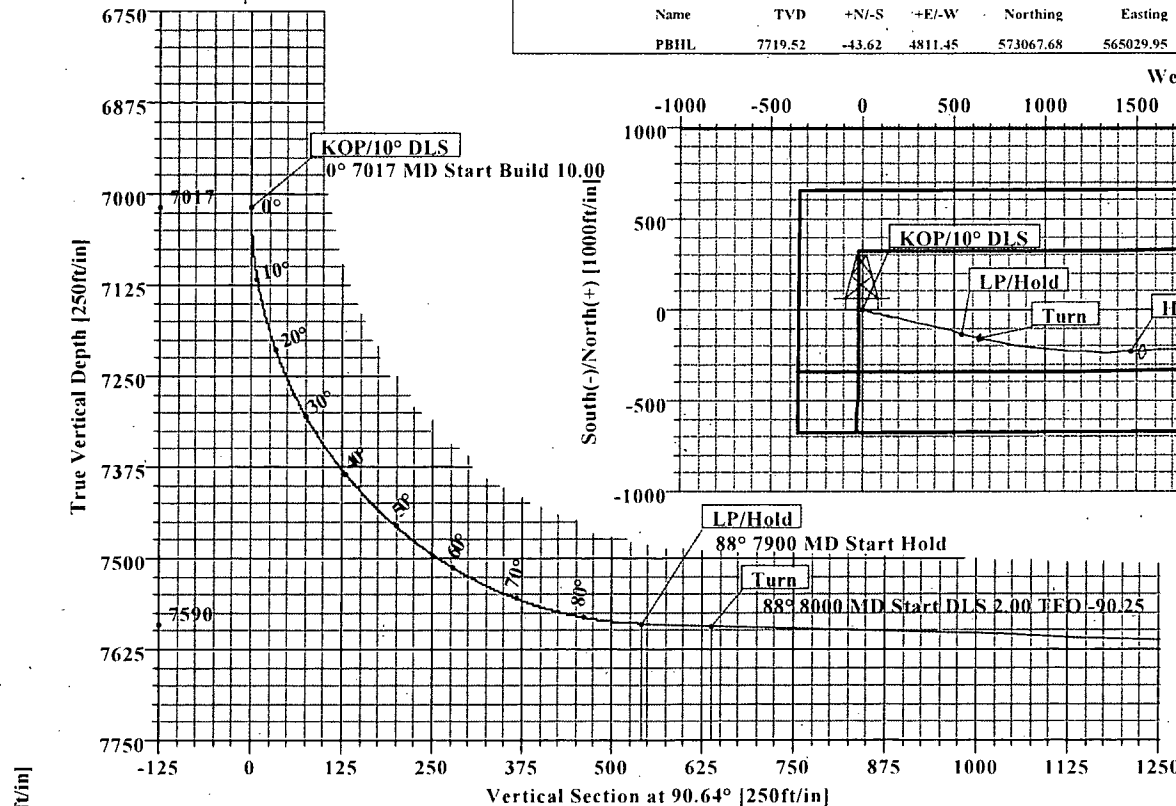
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Government AC 13 Fed #5H	0.00	0.00	573111.30	560218.50	32°34'31.575N	104°08'16.246W	N/A

TARGET DETAILS

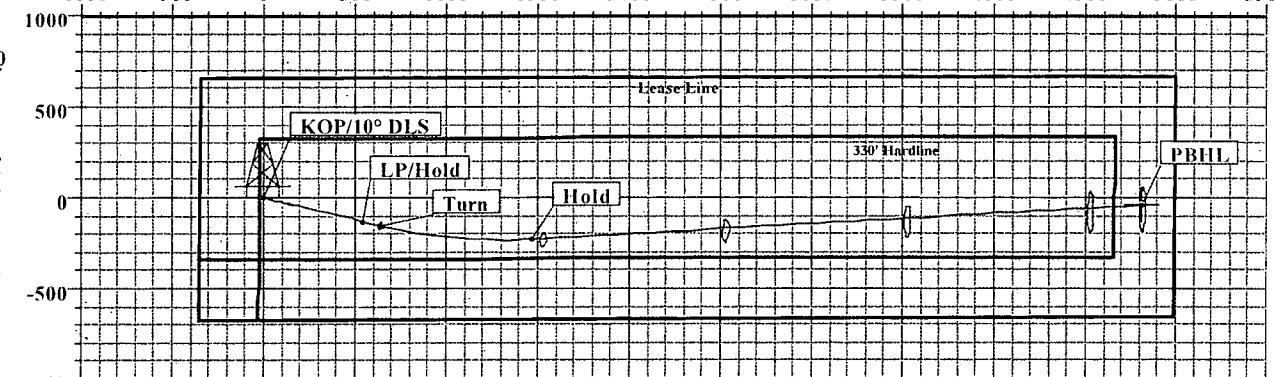
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7719.52	-43.62	4811.45	573067.68	565029.95	Point

LEGEND

1
 Plan #5



West(-)/East(+) [1000ft/in]





Weatherford[®]

Drilling Services

Proposal



OCCIDENTAL PERMIAN LTD.

GOVERNMENT AC 13 FED #5H

EDDY COUNTY, NEW MEXICO

WELL FILE: **PLAN 5**

MAY 15, 2014

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd	Date:	5/15/2014	Time:	107:52:57	Page:	1
Field:	Eddy Co, NM (Nad 27)	Co-ordinate (NE) Reference:	Well:	Government AC 13 Fed #5H			
Site:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	Well:	Government AC 13 Fed #5H			
Well:	Government AC 13 Fed #5H	Section (VS) Reference:	Well:	(0.00N:0.00E:90.64Azi)			
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Plan:	Plan #5	Date Composed:	2/12/2014
Principal:	Yes	Version:	1
		Tied-to:	User Defined

Site: Government AC 13 Fed #5H

Site Position:	From:	Map	Northing:	573111.30 ft	Latitude:	32 34 31.575 N
			Easting:	560218.50 ft	Longitude:	104 8 16.246 W
Position Uncertainty:	0.00 ft				North Reference:	Grid
Ground Level:	3267.50 ft				Grid Convergence:	0.11 deg

Well:	Government AC 13 Fed #5H	Slot Name:	
Well Position:	+N/-S 0.00 ft	Northing:	573111.30 ft
	+E/-W 0.00 ft	Easting:	560218.50 ft
Position Uncertainty:	0.00 ft	Latitude:	32 34 31.575 N
		Longitude:	104 8 16.246 W

Wellpath:	1	Drilled From:	Surface
Current Datum:	SITE	Tic-on Depth:	0.00 ft
Magnetic Data:	10/1/2013	Above System Datum:	Mean Sea Level
Field Strength:	48561 nT	Declination:	7.59 deg
Vertical Section:	Depth From (TVD)	Mag Dip Angle:	60.36 deg
	ft	+N/-S	ft
	0.00	+E/-W	ft
		Direction	deg
			90.64

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	
7017.30	0.00	0.00	7017.30	0.00	0.00	0.00	0.00	0.00	0.00	
7900.00	88.27	103.63	7590.00	-130.94	540.01	10.00	10.00	0.00	103.63	
8000.00	88.27	103.63	7593.02	-154.50	637.15	0.00	0.00	0.00	0.00	
8841.35	88.27	86.80	7618.59	-230.62	1471.63	2.00	0.00	-2.00	-90.25	
12187.93	88.27	86.80	7719.52	-43.62	4811.45	0.00	0.00	0.00	0.00	PBHL

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	573111.30	560218.50	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
215.00	0.00	0.00	215.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	



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WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/15/2014	Time:	07:52:57	Page:	2
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Government AC 13 Fed #5H				
Site:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE 3291.5				
Well:	Government AC 13 Fed #5H	Section (VS) Reference:	Well (0.00N:0.00E:90.64Azi)				
Wellpath:		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
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3150.00	0.00	0.00	3150.00	0.00	0.00	0.00	0.00	573111.30	560218.50	Csg
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	573111.30	560218.50	
7017.30	0.00	0.00	7017.30	0.00	0.00	0.00	0.00	573111.30	560218.50	KOP/10° DLS



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/15/2014	Time:	07:52:57	Page:	3
Field:	Eddy Co.-NM (Nad 27)	Co-ordinate (NE) Reference:	Well: Government AC 13 Fed #5H				
Site:	Government AC 13 Fed #5H	Vertical (TV D) Reference:	SITE 3291.5				
Well:	Government AC 13 Fed #5H	Section (VS) Reference:	Well (0.00N 0.00E 90.64Az)				
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	MapN ft	MapL ft	Comment
7100.00	8.27	103.63	7099.71	-1.40	5.79	5.81	10.00	573109.90	560224.29	
7200.00	18.27	103.63	7196.92	-6.81	28.07	28.14	10.00	573104.49	560246.57	
7300.00	28.27	103.63	7288.67	-16.10	66.41	66.59	10.00	573095.20	560284.91	
7400.00	38.27	103.63	7372.17	-29.02	119.66	119.98	10.00	573082.28	560338.16	
7500.00	48.27	103.63	7444.89	-45.15	186.19	186.68	10.00	573066.15	560404.69	
7600.00	58.27	103.63	7504.62	-64.01	263.98	264.68	10.00	573047.29	560482.48	
7700.00	68.27	103.63	7549.54	-85.03	350.67	351.60	10.00	573026.27	560569.17	
7800.00	78.27	103.63	7578.29	-107.57	443.62	444.79	10.00	573003.73	560662.12	
7900.00	88.27	103.63	7590.00	-130.94	540.01	541.44	10.00	572980.36	560758.51	LP/Hold
8000.00	88.27	103.63	7593.02	-154.50	637.15	638.84	0.00	572956.80	560855.65	Turn
8100.00	88.26	101.63	7596.04	-176.35	734.68	736.61	2.00	572934.95	560953.18	
8200.00	88.26	99.63	7599.08	-194.78	832.92	835.04	2.00	572916.52	561051.42	
8300.00	88.25	97.63	7602.12	-209.78	931.73	934.02	2.00	572901.52	561150.23	
8400.00	88.25	95.63	7605.17	-221.31	1031.01	1033.42	2.00	572889.99	561249.51	
8500.00	88.25	93.63	7608.22	-229.37	1130.64	1133.13	2.00	572881.93	561349.14	
8600.00	88.26	91.62	7611.27	-233.95	1230.48	1233.02	2.00	572877.35	561448.98	
8700.00	88.26	89.62	7614.31	-235.04	1330.42	1332.97	2.00	572876.26	561548.92	
8800.00	88.27	87.62	7617.34	-232.64	1430.34	1432.85	2.00	572878.66	561648.84	
8841.35	88.27	86.80	7618.59	-230.62	1471.63	1474.11	2.00	572880.68	561690.13	Hold
8900.00	88.27	86.80	7620.36	-227.35	1530.16	1532.60	0.00	572883.95	561748.66	
9000.00	88.27	86.80	7623.37	-221.76	1629.96	1632.33	0.00	572889.54	561848.46	
9100.00	88.27	86.80	7626.39	-216.17	1729.75	1732.06	0.00	572895.13	561948.25	
9200.00	88.27	86.80	7629.40	-210.58	1829.55	1831.79	0.00	572900.72	562048.05	
9300.00	88.27	86.80	7632.42	-205.00	1929.35	1931.52	0.00	572906.30	562147.85	
9400.00	88.27	86.80	7635.44	-199.41	2029.15	2031.25	0.00	572911.89	562247.65	
9500.00	88.27	86.80	7638.45	-193.82	2128.95	2130.98	0.00	572917.48	562347.45	
9600.00	88.27	86.80	7641.47	-188.23	2228.74	2230.71	0.00	572923.07	562447.24	
9700.00	88.27	86.80	7644.48	-182.64	2328.54	2330.44	0.00	572928.66	562547.04	
9800.00	88.27	86.80	7647.50	-177.06	2428.34	2430.17	0.00	572934.24	562646.84	
9900.00	88.27	86.80	7650.52	-171.47	2528.14	2529.90	0.00	572939.83	562746.64	
10000.00	88.27	86.80	7653.53	-165.88	2627.94	2629.63	0.00	572945.42	562846.44	
10100.00	88.27	86.80	7656.55	-160.29	2727.74	2729.36	0.00	572951.01	562946.24	
10200.00	88.27	86.80	7659.56	-154.70	2827.53	2829.09	0.00	572956.60	563046.03	
10300.00	88.27	86.80	7662.58	-149.12	2927.33	2928.81	0.00	572962.18	563145.83	
10400.00	88.27	86.80	7665.60	-143.53	3027.13	3028.54	0.00	572967.77	563245.63	
10500.00	88.27	86.80	7668.61	-137.94	3126.93	3128.27	0.00	572973.36	563345.43	
10600.00	88.27	86.80	7671.63	-132.35	3226.73	3228.00	0.00	572978.95	563445.23	
10700.00	88.27	86.80	7674.64	-126.76	3326.52	3327.73	0.00	572984.54	563545.02	
10800.00	88.27	86.80	7677.66	-121.18	3426.32	3427.46	0.00	572990.12	563644.82	
10900.00	88.27	86.80	7680.68	-115.59	3526.12	3527.19	0.00	572995.71	563744.62	
11000.00	88.27	86.80	7683.69	-110.00	3625.92	3626.92	0.00	573001.30	563844.42	
11100.00	88.27	86.80	7686.71	-104.41	3725.72	3726.65	0.00	573006.89	563944.22	
11200.00	88.27	86.80	7689.72	-98.82	3825.52	3826.38	0.00	573012.48	564044.02	
11300.00	88.27	86.80	7692.74	-93.24	3925.31	3926.11	0.00	573018.06	564143.81	
11400.00	88.27	86.80	7695.76	-87.65	4025.11	4025.84	0.00	573023.65	564243.61	
11500.00	88.27	86.80	7698.77	-82.06	4124.91	4125.57	0.00	573029.24	564343.41	
11600.00	88.27	86.80	7701.79	-76.47	4224.71	4225.30	0.00	573034.83	564443.21	
11700.00	88.27	86.80	7704.80	-70.89	4324.51	4325.03	0.00	573040.41	564543.01	
11800.00	88.27	86.80	7707.82	-65.30	4424.30	4424.76	0.00	573046.00	564642.80	
11900.00	88.27	86.80	7710.84	-59.71	4524.10	4524.49	0.00	573051.59	564742.60	
12000.00	88.27	86.80	7713.85	-54.12	4623.90	4624.22	0.00	573057.18	564842.40	
12100.00	88.27	86.80	7716.87	-48.53	4723.70	4723.95	0.00	573062.77	564942.20	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd	Date:	5/15/2014	Time:	07:52:57	Page:	4
Field:	Eddy Co. NM (Nad 27)	Co-ordinate (NE) Reference:	Well: Government AC 13 Fed #5H				
Site:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE 329115				
Well:	Government AC 13 Fed #5H	Section (VS) Reference:	Well (0.00N:0.00E:90.64Azi)				
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	MapN ft	MapE ft	Comment
12187.93	88.27	86.80	7719.52	-43.62	4811.45	4811.64	0.00	573067.68	565029.95	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
PBHL		7719.52	-43.62	4811.45	573067.68	565029.95	32 34 31.052 N	104 7 20.018 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
215.00	215.00	0.000	0.000	Csg
3150.00	3150.00	0.000	0.000	Csg

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
7017.30	7017.30	KOP/10° DLS
7900.00	7590.00	LP/Hold
8000.00	7593.02	Turn
8841.35	7618.59	Hold
12187.92	7719.52	PBHL



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/15/2014	Time:	07:53:36	Page:	1
Field:	Eddy Co. NM (Nad:27)						
Reference Site:	Government AC 13 Fed #5H	Co-ordinate (NE) Reference:	Well:	Government AC 13 Fed #5H			
Reference Well:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE:	3291.5			
Reference Wellpath:	1 V2					Db:	Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
 Interpolation Method: MD Interval: 100.00 ft
 Depth Range: 0.00 to 12187.93 ft
 Maximum Radius: 10000.00 ft

Reference: Plan: Plan #5
 Error Model: ISCWSA Ellipse
 Scan Method: Closest Approach 3D
 Error Surface: Ellipse

Plan: Plan #5

Date Composed: 2/12/2014

Principal: Yes

Version: 1

Tied-to:

User Defined

Summary

Site	Offset Wellpath	Wellpath	Reference MD	Offset MD	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
Exist. Government AC #2	Exist. Government AC #2	V2	9000.00	7610.87	401.77	133.08	1.50	Level 3
Government AC 13 Fed #5H	Government AC 13 Fed #5H	V0 Plan: Plan #1 V1	12187.93	11961.24	1382.21	1145.90	5.85	

Site: Exist. Government AC #2

Well: Exist. Government AC #2

Wellpath: 1 V2

Inter-Site Error: 0.00 ft

Reference MD	Offset MD	Semi-Major Axis Ref	Offset	TFO-HS	Offset Location North	East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	83.69	180.00	1627.32	1637.29		No Data
100.00	100.00	87.50	87.50	0.09	1.22	83.69	180.00	1627.32	1637.24 1635.94	1251.95
200.00	200.00	187.50	187.50	0.31	2.62	83.69	180.00	1627.32	1637.24 1634.32	558.89
300.00	300.00	287.50	287.50	0.53	4.02	83.69	180.00	1627.32	1637.24 1632.69	359.74
400.00	400.00	387.50	387.50	0.76	6.85	83.69	180.00	1627.32	1637.24 1629.64	215.20
500.00	500.00	487.50	487.50	0.98	9.89	83.69	180.00	1627.32	1637.24 1626.38	150.63
600.00	600.00	587.50	587.50	1.21	12.92	83.69	180.00	1627.32	1637.24 1623.11	115.86
700.00	700.00	687.50	687.50	1.43	15.96	83.69	180.00	1627.32	1637.24 1619.85	94.13
800.00	800.00	787.50	787.50	1.66	19.00	83.69	180.00	1627.32	1637.24 1616.59	79.27
900.00	900.00	887.50	887.50	1.88	22.03	83.69	180.00	1627.32	1637.24 1613.33	68.46
1000.00	1000.00	987.50	987.50	2.11	25.07	83.69	180.00	1627.32	1637.24 1610.07	60.24
1100.00	1100.00	1087.50	1087.50	2.33	28.11	83.69	180.00	1627.32	1637.24 1606.81	53.79
1200.00	1200.00	1187.50	1187.50	2.56	31.14	83.69	180.00	1627.32	1637.24 1603.54	48.58
1300.00	1300.00	1287.50	1287.50	2.78	34.18	83.69	180.00	1627.32	1637.24 1600.28	44.29
1400.00	1400.00	1387.50	1387.50	3.01	37.22	83.69	180.00	1627.32	1637.24 1597.02	40.70
1500.00	1500.00	1487.50	1487.50	3.23	40.25	83.69	180.00	1627.32	1637.24 1593.76	37.65
1600.00	1600.00	1587.50	1587.50	3.46	43.29	83.69	180.00	1627.32	1637.24 1590.50	35.02
1700.00	1700.00	1687.50	1687.50	3.68	46.33	83.69	180.00	1627.32	1637.24 1587.24	32.74
1800.00	1800.00	1787.50	1787.50	3.91	49.36	83.69	180.00	1627.32	1637.24 1583.97	30.73
1900.00	1900.00	1887.50	1887.50	4.13	52.40	83.69	180.00	1627.32	1637.24 1580.71	28.96
2000.00	2000.00	1987.50	1987.50	4.36	55.44	83.69	180.00	1627.32	1637.24 1577.45	27.38
2100.00	2100.00	2087.50	2087.50	4.58	58.47	83.69	180.00	1627.32	1637.24 1574.19	25.97
2200.00	2200.00	2187.50	2187.50	4.81	61.51	83.69	180.00	1627.32	1637.24 1570.93	24.69
2300.00	2300.00	2287.50	2287.50	5.03	64.55	83.69	180.00	1627.32	1637.24 1567.67	23.53
2400.00	2400.00	2387.50	2387.50	5.26	67.59	83.69	180.00	1627.32	1637.24 1564.40	22.48
2500.00	2500.00	2487.50	2487.50	5.48	70.62	83.69	180.00	1627.32	1637.24 1561.14	21.51
2600.00	2600.00	2587.50	2587.50	5.70	73.66	83.69	180.00	1627.32	1637.24 1557.88	20.63
2700.00	2700.00	2687.50	2687.50	5.93	76.70	83.69	180.00	1627.32	1637.24 1554.62	19.82
2800.00	2800.00	2787.50	2787.50	6.15	79.73	83.69	180.00	1627.32	1637.24 1551.36	19.06
2900.00	2900.00	2887.50	2887.50	6.38	82.77	83.69	180.00	1627.32	1637.24 1548.10	18.37
3000.00	3000.00	2987.50	2987.50	6.60	85.81	83.69	180.00	1627.32	1637.24 1544.83	17.72
3100.00	3100.00	3087.50	3087.50	6.83	88.84	83.69	180.00	1627.32	1637.24 1541.57	17.11
3200.00	3200.00	3187.50	3187.50	7.05	91.88	83.69	180.00	1627.32	1637.24 1538.31	16.55
3300.00	3300.00	3287.50	3287.50	7.28	94.92	83.69	180.00	1627.32	1637.24 1535.05	16.02
3400.00	3400.00	3387.50	3387.50	7.50	97.95	83.69	180.00	1627.32	1637.24 1531.79	15.53
3500.00	3500.00	3487.50	3487.50	7.73	100.99	83.69	180.00	1627.32	1637.24 1528.53	15.06



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd	Date:	5/15/2014	Time:	07:53:36	Page:	2
Field:	Eddy Co, NM (Nad 27)						
Reference Site:	Government AC 13 Fed #5H	Co-ordinate(NE) Reference:	Well: Government AC 13 Fed #5H				
Reference Well:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE 3291.5				
Reference Wellpath:						Db:	Sybase

Site: Exist. Government AC #2
Well: Exist. Government AC #2
Wellpath: 1 V2

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
3600.00	3600.00	3587.50	3587.50	7.95	104.03	83.69	180.00	1627.32	1637.24	1525.26	14.62	
3700.00	3700.00	3687.50	3687.50	8.18	107.06	83.69	180.00	1627.32	1637.24	1522.00	14.21	
3800.00	3800.00	3787.50	3787.50	8.40	110.10	83.69	180.00	1627.32	1637.24	1518.74	13.82	
3900.00	3900.00	3887.50	3887.50	8.63	113.14	83.69	180.00	1627.32	1637.24	1515.48	13.45	
4000.00	4000.00	3987.50	3987.50	8.85	116.18	83.69	180.00	1627.32	1637.24	1512.22	13.10	
4100.00	4100.00	4087.50	4087.50	9.08	119.21	83.69	180.00	1627.32	1637.24	1508.96	12.76	
4200.00	4200.00	4187.50	4187.50	9.30	122.25	83.69	180.00	1627.32	1637.24	1505.69	12.45	
4300.00	4300.00	4287.50	4287.50	9.53	125.29	83.69	180.00	1627.32	1637.24	1502.43	12.14	
4400.00	4400.00	4387.50	4387.50	9.75	128.32	83.69	180.00	1627.32	1637.24	1499.17	11.86	
4500.00	4500.00	4487.50	4487.50	9.98	131.36	83.69	180.00	1627.32	1637.24	1495.91	11.58	
4600.00	4600.00	4587.50	4587.50	10.20	134.40	83.69	180.00	1627.32	1637.24	1492.65	11.32	
4700.00	4700.00	4687.50	4687.50	10.42	137.43	83.69	180.00	1627.32	1637.24	1489.39	11.07	
4800.00	4800.00	4787.50	4787.50	10.65	140.47	83.69	180.00	1627.32	1637.24	1486.12	10.83	
4900.00	4900.00	4887.50	4887.50	10.87	143.51	83.69	180.00	1627.32	1637.24	1482.86	10.61	
5000.00	5000.00	4987.50	4987.50	11.10	146.54	83.69	180.00	1627.32	1637.24	1479.60	10.39	
5100.00	5100.00	5087.50	5087.50	11.32	149.58	83.69	180.00	1627.32	1637.24	1476.34	10.18	
5200.00	5200.00	5187.50	5187.50	11.55	152.62	83.69	180.00	1627.32	1637.24	1473.08	9.97	
5300.00	5300.00	5287.50	5287.50	11.77	155.65	83.69	180.00	1627.32	1637.24	1469.82	9.78	
5400.00	5400.00	5387.50	5387.50	12.00	158.69	83.69	180.00	1627.32	1637.24	1466.55	9.59	
5500.00	5500.00	5487.50	5487.50	12.22	161.73	83.69	180.00	1627.32	1637.24	1463.29	9.41	
5600.00	5600.00	5587.50	5587.50	12.45	164.77	83.69	180.00	1627.32	1637.24	1460.03	9.24	
5700.00	5700.00	5687.50	5687.50	12.67	167.80	83.69	180.00	1627.32	1637.24	1456.77	9.07	
5800.00	5800.00	5787.50	5787.50	12.90	170.84	83.69	180.00	1627.32	1637.24	1453.51	8.91	
5900.00	5900.00	5887.50	5887.50	13.12	173.88	83.69	180.00	1627.32	1637.24	1450.25	8.76	
6000.00	6000.00	5987.50	5987.50	13.35	176.91	83.69	180.00	1627.32	1637.24	1446.99	8.61	
6100.00	6100.00	6087.50	6087.50	13.57	179.95	83.69	180.00	1627.32	1637.24	1443.72	8.46	
6200.00	6200.00	6187.50	6187.50	13.80	182.99	83.69	180.00	1627.32	1637.24	1440.46	8.32	
6300.00	6300.00	6287.50	6287.50	14.02	186.02	83.69	180.00	1627.32	1637.24	1437.20	8.18	
6400.00	6400.00	6387.50	6387.50	14.25	189.06	83.69	180.00	1627.32	1637.24	1433.94	8.05	
6500.00	6500.00	6487.50	6487.50	14.47	192.10	83.69	180.00	1627.32	1637.24	1430.68	7.93	
6600.00	6600.00	6587.50	6587.50	14.70	195.13	83.69	180.00	1627.32	1637.24	1427.42	7.80	
6700.00	6700.00	6687.50	6687.50	14.92	198.17	83.69	180.00	1627.32	1637.24	1424.15	7.68	
6800.00	6800.00	6787.50	6787.50	15.14	201.21	83.69	180.00	1627.32	1637.24	1420.89	7.57	
6900.00	6900.00	6887.50	6887.50	15.37	204.24	83.69	180.00	1627.32	1637.24	1417.63	7.46	
7000.00	7000.00	6987.50	6987.50	15.59	207.28	83.69	180.00	1627.32	1637.24	1414.37	7.35	
7100.00	7099.71	7087.21	7087.21	15.80	210.31	339.79	180.00	1627.32	1631.65	1405.67	7.22	
7200.00	7196.92	7184.42	7184.42	16.00	213.26	338.72	180.00	1627.32	1610.12	1381.49	7.04	
7300.00	7288.67	7276.17	7276.17	16.24	216.05	336.68	180.00	1627.32	1573.18	1342.37	6.82	
7400.00	7372.17	7359.67	7359.67	16.54	218.58	333.33	180.00	1627.32	1522.08	1289.52	6.54	
7500.00	7444.89	7432.39	7432.39	16.98	220.79	328.09	180.00	1627.32	1458.61	1224.44	6.23	
7600.00	7504.62	7492.12	7492.12	17.62	222.61	320.05	180.00	1627.32	1385.00	1148.80	5.86	
7700.00	7549.54	7537.04	7537.04	18.51	223.97	308.00	180.00	1627.32	1303.87	1064.53	5.45	
7800.00	7578.29	7565.79	7565.79	19.66	224.84	291.51	180.00	1627.32	1218.13	974.84	5.01	
7900.00	7590.00	7577.50	7577.50	21.04	225.20	273.04	180.00	1627.32	1130.90	884.68	4.59	
8000.00	7593.02	7580.52	7580.52	22.60	225.29	272.73	180.00	1627.32	1045.14	797.27	4.22	
8100.00	7596.04	7583.54	7583.54	24.31	225.38	272.63	180.00	1627.32	961.14	711.46	3.85	
8200.00	7599.08	7586.58	7586.58	26.14	225.48	272.50	180.00	1627.32	878.37	626.78	3.49	
8300.00	7602.12	7589.62	7589.62	28.05	225.57	272.33	180.00	1627.32	797.35	543.76	3.14	
8400.00	7605.17	7592.67	7592.67	30.01	225.66	272.11	180.00	1627.32	718.77	463.12	2.81	
8500.00	7608.22	7595.72	7595.72	32.01	225.75	271.86	180.00	1627.32	643.65	385.90	2.50	
8600.00	7611.27	7598.77	7598.77	34.02	225.85	271.58	180.00	1627.32	573.44	313.58	2.21	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd	Date:	5/15/2014	Time:	07:53:36	Page:	3
Field:	Eddy Co, NM (Nad 27)						
Reference Site:	Government AC 13 Fed #5H	Co-ordinate (NE) Reference:	Well:	Government AC 13 Fed #5H			
Reference Well:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE:	3291.5			
Reference Wellpath:	1					Db:	Sybase

Site: Exist. Government AC #2
Well: Exist. Government AC #2
Wellpath: 1 V2

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
8700.00	7614.31	7601.81	7601.81	36.05	225.94	271.26	180.00	1627.32	510.30	248.32	1.95	
8800.00	7617.34	7604.84	7604.84	38.06	226.03	270.92	180.00	1627.32	457.24	193.16	1.73	
8900.00	7620.36	7607.86	7607.86	40.21	226.12	270.52	180.00	1627.32	418.78	152.45	1.57	
9000.00	7623.37	7610.87	7610.87	42.48	226.21	270.09	180.00	1627.32	401.77	133.08	1.50	Level 3
9100.00	7626.39	7613.89	7613.89	44.77	226.30	269.65	180.00	1627.32	409.20	138.13	1.51	
9200.00	7629.40	7616.90	7616.90	47.08	226.40	269.22	180.00	1627.32	439.83	166.36	1.61	
9300.00	7632.42	7619.92	7619.92	49.42	226.49	268.79	180.00	1627.32	489.33	213.44	1.77	
9400.00	7635.44	7622.94	7622.94	51.76	226.58	268.36	180.00	1627.32	552.64	274.33	1.99	
9500.00	7638.45	7625.95	7625.95	54.12	226.67	267.93	180.00	1627.32	625.60	344.84	2.23	
9600.00	7641.47	7628.97	7628.97	56.49	226.76	267.50	180.00	1627.32	705.20	422.00	2.49	
9700.00	7644.48	7631.98	7631.98	58.88	226.85	267.07	180.00	1627.32	789.45	503.79	2.76	
9800.00	7647.50	7635.00	7635.00	61.27	226.95	266.65	180.00	1627.32	877.00	588.89	3.04	
9900.00	7650.52	7638.02	7638.02	63.66	227.04	266.22	180.00	1627.32	966.96	676.39	3.33	
10000.00	7653.53	7641.03	7641.03	66.07	227.13	265.79	180.00	1627.32	1058.71	765.69	3.61	
10100.00	7656.55	7644.05	7644.05	68.48	227.22	265.36	180.00	1627.32	1151.83	856.35	3.90	
10200.00	7659.56	7647.06	7647.06	70.90	227.31	264.93	180.00	1627.32	1246.01	948.07	4.18	
10300.00	7662.58	7650.08	7650.08	73.32	227.40	264.51	180.00	1627.32	1341.02	1040.63	4.46	
10400.00	7665.60	7653.10	7653.10	75.75	227.50	264.08	180.00	1627.32	1436.71	1133.86	4.74	
10500.00	7668.61	7656.11	7656.11	78.18	227.59	263.65	180.00	1627.32	1532.94	1227.63	5.02	
10600.00	7671.63	7659.13	7659.13	80.61	227.68	263.23	180.00	1627.32	1629.62	1321.87	5.30	
10700.00	7674.64	7662.14	7662.14	83.05	227.77	262.81	180.00	1627.32	1726.67	1416.47	5.57	
10800.00	7677.66	7665.16	7665.16	85.49	227.86	262.38	180.00	1627.32	1824.04	1511.40	5.83	
10900.00	7680.68	7668.18	7668.18	87.94	227.95	261.96	180.00	1627.32	1921.67	1606.60	6.10	
11000.00	7683.69	7671.19	7671.19	90.38	228.04	261.54	180.00	1627.32	2019.53	1702.03	6.36	
11100.00	7686.71	7674.21	7674.21	92.83	228.14	261.12	180.00	1627.32	2117.58	1797.66	6.62	
11200.00	7689.72	7677.22	7677.22	95.28	228.23	260.70	180.00	1627.32	2215.81	1893.48	6.87	
11300.00	7692.74	7680.24	7680.24	97.74	228.32	260.28	180.00	1627.32	2314.18	1989.44	7.13	
11400.00	7695.76	7683.26	7683.26	100.19	228.41	259.86	180.00	1627.32	2412.68	2085.55	7.38	
11500.00	7698.77	7686.27	7686.27	102.65	228.50	259.45	180.00	1627.32	2511.30	2181.78	7.62	
11600.00	7701.79	7689.29	7689.29	105.11	228.59	259.03	180.00	1627.32	2610.02	2278.11	7.86	
11700.00	7704.80	7692.30	7692.30	107.57	228.69	258.62	180.00	1627.32	2708.83	2374.55	8.10	
11800.00	7707.82	7695.32	7695.32	110.03	228.78	258.20	180.00	1627.32	2807.72	2471.08	8.34	
11900.00	7710.84	7698.34	7698.34	112.50	228.87	257.79	180.00	1627.32	2906.68	2567.69	8.57	
12000.00	7713.85	7701.35	7701.35	114.96	228.96	257.38	180.00	1627.32	3005.71	2664.38	8.81	
12100.00	7716.87	7704.37	7704.37	117.43	229.05	256.97	180.00	1627.32	3104.80	2761.14	9.03	
12187.93	7719.52	7707.02	7707.02	119.60	229.13	256.61	180.00	1627.32	3191.97	2846.27	9.23	

Site: Government AC 13 Fed #6H
Well: Government AC 13 Fed #6H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	5.90	5.90	0.00	0.01	-0.11	1519.80	-2.90	1519.80			No Data
100.00	100.00	105.90	105.90	0.09	0.10	-0.11	1519.80	-2.90	1519.80	1519.62	8256.06	
200.00	200.00	205.90	205.90	0.31	0.32	-0.11	1519.80	-2.90	1519.80	1519.17	2398.62	
300.00	300.00	305.90	305.90	0.53	0.55	-0.11	1519.80	-2.90	1519.80	1518.72	1403.14	
400.00	400.00	405.90	405.90	0.76	0.77	-0.11	1519.80	-2.90	1519.80	1518.27	991.60	
500.00	500.00	505.90	505.90	0.98	1.00	-0.11	1519.80	-2.90	1519.80	1517.82	766.72	
600.00	600.00	605.90	605.90	1.21	1.22	-0.11	1519.80	-2.90	1519.80	1517.37	624.98	
700.00	700.00	705.90	705.90	1.43	1.45	-0.11	1519.80	-2.90	1519.80	1516.92	527.48	
800.00	800.00	805.90	805.90	1.66	1.67	-0.11	1519.80	-2.90	1519.80	1516.47	456.29	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/15/2014	Time:	10:53:36	Page:	4
Field:	Eddy Co. NM (Nad 27)						
Reference Site:	Government AC 13 Fed #5H	Co-ordinate (NE) Reference:	Well:	Government AC 13 Fed #5H			
Reference Well:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE:	32915			
Reference Wellpath:						Db:	Sybase

Site: Government AC 13 Fed #6H
Well: Government AC 13 Fed #6H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
900.00	900.00	905.90	905.90	1.88	1.90	-0.11	1519.80	-2.90	1519.80	1516.02	402.03	
1000.00	1000.00	1005.90	1005.90	2.11	2.12	-0.11	1519.80	-2.90	1519.80	1515.57	359.30	
1100.00	1100.00	1105.90	1105.90	2.33	2.35	-0.11	1519.80	-2.90	1519.80	1515.12	324.79	
1200.00	1200.00	1205.90	1205.90	2.56	2.57	-0.11	1519.80	-2.90	1519.80	1514.67	296.32	
1300.00	1300.00	1305.90	1305.90	2.78	2.80	-0.11	1519.80	-2.90	1519.80	1514.22	272.44	
1400.00	1400.00	1405.90	1405.90	3.01	3.02	-0.11	1519.80	-2.90	1519.80	1513.77	252.12	
1500.00	1500.00	1505.90	1505.90	3.23	3.25	-0.11	1519.80	-2.90	1519.80	1513.33	234.63	
1600.00	1600.00	1605.90	1605.90	3.46	3.47	-0.11	1519.80	-2.90	1519.80	1512.88	219.40	
1700.00	1700.00	1705.90	1705.90	3.68	3.69	-0.11	1519.80	-2.90	1519.80	1512.43	206.03	
1800.00	1800.00	1805.90	1805.90	3.91	3.92	-0.11	1519.80	-2.90	1519.80	1511.98	194.20	
1900.00	1900.00	1905.90	1905.90	4.13	4.14	-0.11	1519.80	-2.90	1519.80	1511.53	183.65	
2000.00	2000.00	2005.90	2005.90	4.36	4.37	-0.11	1519.80	-2.90	1519.80	1511.08	174.19	
2100.00	2100.00	2105.90	2105.90	4.58	4.59	-0.11	1519.80	-2.90	1519.80	1510.63	165.65	
2200.00	2200.00	2205.90	2205.90	4.81	4.82	-0.11	1519.80	-2.90	1519.80	1510.18	157.91	
2300.00	2300.00	2305.90	2305.90	5.03	5.04	-0.11	1519.80	-2.90	1519.80	1509.73	150.87	
2400.00	2400.00	2405.90	2405.90	5.26	5.27	-0.11	1519.80	-2.90	1519.80	1509.28	144.42	
2500.00	2500.00	2505.90	2505.90	5.48	5.49	-0.11	1519.80	-2.90	1519.80	1508.83	138.51	
2600.00	2600.00	2605.90	2605.90	5.70	5.72	-0.11	1519.80	-2.90	1519.80	1508.38	133.05	
2700.00	2700.00	2705.90	2705.90	5.93	5.94	-0.11	1519.80	-2.90	1519.80	1507.93	128.02	
2800.00	2800.00	2805.90	2805.90	6.15	6.17	-0.11	1519.80	-2.90	1519.80	1507.48	123.35	
2900.00	2900.00	2905.90	2905.90	6.38	6.39	-0.11	1519.80	-2.90	1519.80	1507.03	119.00	
3000.00	3000.00	3005.90	3005.90	6.60	6.62	-0.11	1519.80	-2.90	1519.80	1506.58	114.96	
3100.00	3100.00	3105.90	3105.90	6.83	6.84	-0.11	1519.80	-2.90	1519.80	1506.13	111.18	
3200.00	3200.00	3205.90	3205.90	7.05	7.07	-0.11	1519.80	-2.90	1519.80	1505.68	107.64	
3300.00	3300.00	3305.90	3305.90	7.28	7.29	-0.11	1519.80	-2.90	1519.80	1505.23	104.32	
3400.00	3400.00	3405.90	3405.90	7.50	7.52	-0.11	1519.80	-2.90	1519.80	1504.78	101.19	
3500.00	3500.00	3505.90	3505.90	7.73	7.74	-0.11	1519.80	-2.90	1519.80	1504.33	98.25	
3600.00	3600.00	3605.90	3605.90	7.95	7.97	-0.11	1519.80	-2.90	1519.80	1503.89	95.48	
3700.00	3700.00	3705.90	3705.90	8.18	8.19	-0.11	1519.80	-2.90	1519.80	1503.44	92.86	
3800.00	3800.00	3805.90	3805.90	8.40	8.42	-0.11	1519.80	-2.90	1519.80	1502.99	90.37	
3900.00	3900.00	3905.90	3905.90	8.63	8.64	-0.11	1519.80	-2.90	1519.80	1502.54	88.02	
4000.00	4000.00	4005.90	4005.90	8.85	8.86	-0.11	1519.80	-2.90	1519.80	1502.09	85.79	
4100.00	4100.00	4105.90	4105.90	9.08	9.09	-0.11	1519.80	-2.90	1519.80	1501.64	83.66	
4200.00	4200.00	4205.90	4205.90	9.30	9.31	-0.11	1519.80	-2.90	1519.80	1501.19	81.64	
4300.00	4300.00	4305.90	4305.90	9.53	9.54	-0.11	1519.80	-2.90	1519.80	1500.74	79.72	
4400.00	4400.00	4405.90	4405.90	9.75	9.76	-0.11	1519.80	-2.90	1519.80	1500.29	77.88	
4500.00	4500.00	4505.90	4505.90	9.98	9.99	-0.11	1519.80	-2.90	1519.80	1499.84	76.13	
4600.00	4600.00	4605.90	4605.90	10.20	10.21	-0.11	1519.80	-2.90	1519.80	1499.39	74.45	
4700.00	4700.00	4705.90	4705.90	10.42	10.44	-0.11	1519.80	-2.90	1519.80	1498.94	72.85	
4800.00	4800.00	4805.90	4805.90	10.65	10.66	-0.11	1519.80	-2.90	1519.80	1498.49	71.31	
4900.00	4900.00	4905.90	4905.90	10.87	10.89	-0.11	1519.80	-2.90	1519.80	1498.04	69.84	
5000.00	5000.00	5005.90	5005.90	11.10	11.11	-0.11	1519.80	-2.90	1519.80	1497.59	68.43	
5100.00	5100.00	5105.90	5105.90	11.32	11.34	-0.11	1519.80	-2.90	1519.80	1497.14	67.07	
5200.00	5200.00	5205.90	5205.90	11.55	11.56	-0.11	1519.80	-2.90	1519.80	1496.69	65.76	
5300.00	5300.00	5305.90	5305.90	11.77	11.79	-0.11	1519.80	-2.90	1519.80	1496.24	64.51	
5400.00	5400.00	5405.90	5405.90	12.00	12.01	-0.11	1519.80	-2.90	1519.80	1495.79	63.30	
5500.00	5500.00	5505.90	5505.90	12.22	12.24	-0.11	1519.80	-2.90	1519.80	1495.34	62.14	
5600.00	5600.00	5605.90	5605.90	12.45	12.46	-0.11	1519.80	-2.90	1519.80	1494.89	61.02	
5700.00	5700.00	5705.90	5705.90	12.67	12.69	-0.11	1519.80	-2.90	1519.80	1494.44	59.93	
5800.00	5800.00	5805.90	5805.90	12.90	12.91	-0.11	1519.80	-2.90	1519.80	1494.00	58.89	
5900.00	5900.00	5905.90	5905.90	13.12	13.14	-0.11	1519.80	-2.90	1519.80	1493.55	57.88	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/15/2014	Time:	07:53:36	Page:	5
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well:	Government AC 13 Fed #5H			
Reference Site:	Government AC 13 Fed #5H	Vertical (TVD) Reference:	SITE 3291.5				
Reference Well:	Government AC 13 Fed #5H						
Reference Wellpath:							
Db: Sybase							

Site: Government AC 13 Fed #6H
Well: Government AC 13 Fed #6H
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
6000.00	6000.00	6005.90	6005.90	13.35	13.36	-0.11	1519.80	-2.90	1519.80	1493.10	56.91	
6100.00	6100.00	6105.90	6105.90	13.57	13.58	-0.11	1519.80	-2.90	1519.80	1492.65	55.97	
6200.00	6200.00	6205.90	6205.90	13.80	13.81	-0.11	1519.80	-2.90	1519.80	1492.20	55.05	
6300.00	6300.00	6305.90	6305.90	14.02	14.03	-0.11	1519.80	-2.90	1519.80	1491.75	54.17	
6400.00	6400.00	6405.90	6405.90	14.25	14.26	-0.11	1519.80	-2.90	1519.80	1491.30	53.32	
6500.00	6500.00	6505.90	6505.90	14.47	14.48	-0.11	1519.80	-2.90	1519.80	1490.85	52.49	
6600.00	6600.00	6605.90	6605.90	14.70	14.71	-0.11	1519.80	-2.90	1519.80	1490.40	51.69	
6700.00	6700.00	6705.90	6705.90	14.92	14.93	-0.11	1519.80	-2.90	1519.80	1489.95	50.91	
6800.00	6800.00	6805.90	6805.90	15.14	15.16	-0.11	1519.80	-2.90	1519.80	1489.50	50.15	
6900.00	6900.00	6909.47	6909.45	15.37	15.39	-0.07	1519.75	-1.76	1519.76	1489.00	49.40	
7000.00	7000.00	7017.18	7016.12	15.59	15.63	0.47	1519.19	12.34	1519.27	1488.02	48.62	
7100.00	7099.71	7120.33	7115.21	15.80	15.87	257.76	1518.05	40.68	1519.88	1488.14	47.89	
7200.00	7196.92	7220.88	7206.91	16.00	16.14	258.91	1516.40	81.70	1524.15	1491.89	47.24	
7300.00	7288.67	7319.34	7290.26	16.24	16.46	260.27	1514.30	133.91	1531.89	1499.01	46.59	
7400.00	7372.17	7416.11	7364.46	16.54	16.89	261.80	1511.80	195.88	1542.76	1509.09	45.82	
7500.00	7444.89	7511.61	7428.83	16.98	17.46	263.45	1508.97	266.26	1556.33	1521.60	44.80	
7600.00	7504.62	7606.22	7482.81	17.62	18.22	265.18	1505.85	343.82	1572.13	1535.96	43.46	
7700.00	7549.54	7700.38	7525.91	18.51	19.18	266.94	1502.49	427.39	1589.65	1551.59	41.77	
7800.00	7578.29	7794.50	7557.66	19.66	20.36	268.67	1498.93	515.85	1608.34	1568.21	40.08	
7900.00	7590.00	7889.06	7577.61	21.04	21.74	270.31	1495.22	608.14	1627.69	1584.82	37.97	
8000.00	7593.02	7985.14	7585.34	22.60	23.30	270.14	1491.37	703.76	1647.27	1601.29	35.83	
8100.00	7596.04	8083.51	7588.18	24.31	25.04	270.19	1487.42	802.02	1665.19	1615.76	33.69	
8200.00	7599.08	8182.46	7591.03	26.14	26.90	270.26	1483.44	900.84	1679.66	1626.56	31.63	
8300.00	7602.12	8281.84	7593.89	28.05	28.86	270.32	1479.45	1000.10	1690.67	1633.71	29.68	
8400.00	7605.17	8381.55	7596.77	30.01	30.90	270.38	1475.44	1099.69	1698.20	1637.25	27.86	
8500.00	7608.22	8481.47	7599.65	32.01	33.01	270.45	1471.43	1199.48	1702.25	1637.20	26.17	
8600.00	7611.27	8581.46	7602.54	34.02	35.18	270.51	1467.41	1299.35	1702.82	1633.58	24.59	
8700.00	7614.31	8681.41	7605.42	36.05	37.38	270.58	1463.39	1399.18	1699.89	1626.41	23.14	
8800.00	7617.34	8781.20	7608.30	38.06	39.62	270.65	1459.38	1498.85	1693.47	1615.73	21.78	
8900.00	7620.36	8880.77	7611.17	40.21	41.89	270.68	1455.38	1598.29	1684.18	1602.01	20.50	
9000.00	7623.37	8980.30	7614.04	42.48	44.17	270.69	1451.38	1697.71	1674.58	1587.84	19.30	
9100.00	7626.39	9079.84	7616.91	44.77	46.48	270.70	1447.38	1797.13	1664.99	1573.62	18.22	
9200.00	7629.40	9179.38	7619.78	47.08	48.81	270.71	1443.38	1896.54	1655.39	1559.36	17.24	
9300.00	7632.42	9278.92	7622.65	49.42	51.16	270.72	1439.38	1995.96	1645.80	1545.07	16.34	
9400.00	7635.44	9378.46	7625.52	51.76	53.51	270.72	1435.38	2095.38	1636.21	1530.75	15.52	
9500.00	7638.45	9478.00	7628.39	54.12	55.88	270.73	1431.38	2194.79	1626.61	1516.41	14.76	
9600.00	7641.47	9577.54	7631.26	56.49	58.26	270.74	1427.38	2294.21	1617.02	1502.05	14.06	
9700.00	7644.48	9677.07	7634.13	58.88	60.65	270.75	1423.38	2393.63	1607.43	1487.66	13.42	
9800.00	7647.50	9776.61	7637.00	61.27	63.05	270.76	1419.38	2493.04	1597.83	1473.26	12.83	
9900.00	7650.52	9876.15	7639.87	63.66	65.46	270.77	1415.38	2592.46	1588.24	1458.84	12.27	
10000.00	7653.53	9975.69	7642.74	66.07	67.87	270.78	1411.38	2691.88	1578.65	1444.41	11.76	
10100.00	7656.55	10075.23	7645.61	68.48	70.29	270.78	1407.38	2791.29	1569.06	1429.97	11.28	
10200.00	7659.56	10174.77	7648.48	70.90	72.71	270.79	1403.39	2890.71	1559.46	1415.52	10.83	
10300.00	7662.58	10274.31	7651.35	73.32	75.14	270.80	1399.39	2990.13	1549.87	1401.05	10.41	
10400.00	7665.60	10373.84	7654.22	75.75	77.57	270.81	1395.39	3089.54	1540.28	1386.58	10.02	
10500.00	7668.61	10473.38	7657.09	78.18	80.01	270.82	1391.39	3188.96	1530.68	1372.10	9.65	
10600.00	7671.63	10572.92	7659.96	80.61	82.45	270.83	1387.39	3288.38	1521.09	1357.61	9.30	
10700.00	7674.64	10672.46	7662.83	83.05	84.89	270.84	1383.39	3387.79	1511.50	1343.12	8.98	
10800.00	7677.66	10772.00	7665.70	85.49	87.34	270.85	1379.39	3487.21	1501.90	1328.62	8.67	
10900.00	7680.68	10871.54	7668.58	87.94	89.79	270.86	1375.39	3586.63	1492.31	1314.11	8.37	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 5/15/2014 Time: 07:53:36 Page: 6
Field: Eddy Co. NM (Nad 27)
Reference Site: Government AC 13 Fed #5H Co-ordinate (NE) Reference: Well: Government AC 13 Fed #5H
Reference Well: Government AC 13 Fed #5H Vertical (TVD) Reference: SITE 329115
Reference Wellpath: 1 Db: Sybase

Site: Government AC 13 Fed #6H

Well: Government AC 13 Fed #6H

Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
11000.00	7683.69	10971.07	7671.45	90.38	92.24	270.87	1371.39	3686.04	1482.72	1299.60	8.10	
11100.00	7686.71	11070.61	7674.32	92.83	94.69	270.88	1367.39	3785.46	1473.13	1285.08	7.83	
11200.00	7689.72	11170.15	7677.19	95.28	97.15	270.89	1363.39	3884.88	1463.53	1270.56	7.58	
11300.00	7692.74	11269.69	7680.06	97.74	99.61	270.90	1359.39	3984.29	1453.94	1256.04	7.35	
11400.00	7695.76	11369.23	7682.93	100.19	102.07	270.91	1355.39	4083.71	1444.35	1241.51	7.12	
11500.00	7698.77	11468.77	7685.80	102.65	104.53	270.92	1351.39	4183.13	1434.76	1226.98	6.91	
11600.00	7701.79	11568.31	7688.67	105.11	106.99	270.94	1347.39	4282.54	1425.16	1212.44	6.70	
11700.00	7704.80	11667.84	7691.54	107.57	109.46	270.95	1343.39	4381.96	1415.57	1197.91	6.50	
11800.00	7707.82	11767.38	7694.41	110.03	111.92	270.96	1339.39	4481.38	1405.98	1183.37	6.32	
11900.00	7710.84	11866.92	7697.28	112.50	114.39	270.97	1335.39	4580.79	1396.39	1168.82	6.14	
12000.00	7713.85	11966.46	7700.15	114.96	116.86	270.98	1331.39	4680.21	1386.79	1154.50	5.97	
12100.00	7716.87	11961.24	7700.00	117.43	116.73	270.98	1331.60	4675.00	1381.18	1147.04	5.90	
12187.93	7719.52	11961.24	7700.00	119.60	116.73	270.98	1331.60	4675.00	1382.21	1145.90	5.85	

**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: May 15, 2014
Job Number: _____
Customer: Occidental Permian Ltd.
Well Name: Government AC 13 Fed #5H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM (Nad 27)
Block: _____
Engineer: Michael Dill

US State Plane 1927	Geodetic Latitude / Longitude
System: New Mexico East 3001 (NON-EXACT)	System: Latitude / Longitude
Projection: SPC27 Transverse Mercator	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 573111.300 USFT	Latitude 32.5754375 DEG
East/West 560218.500 USFT	Longitude -104.1378462 DEG
Grid Convergence: .11°	
Total Correction: +7.51°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.57544° N	32° 34 min 31.575 sec
Longitude =	104.13785° W	104° 8 min 16.247 sec

Magnetic Declination =	7.62°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6522
Local Field Strength =	48451 nT	Magnetic Vector X = 23778 nT
Magnetic Dip =	60.32°	Magnetic Vector Y = 3182 nT
Magnetic Model =	bggm2013	Magnetic Vector Z = 42095 nT
Spud Date =	Jul 16, 2014	Magnetic Vector H = 23990 nT

Signed: _____

Date: _____