

NM OIL CONSERVATION
ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
311 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

JUN 03 2014

RECEIVED

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42397	Pool Code 606060	Pool Name TurkeyTrack Bone Spring
Property Code 306376	Property Name CONOCO "7" STATE	Well Number 28H
OGRID No. 116696	Operator Name OXY USA INC.	Elevation 3376.1'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	19 SOUTH	29 EAST, N.M.P.M.		1980'	SOUTH	330'	EAST	EDDY

Bottom Hole Location If Different From Surface

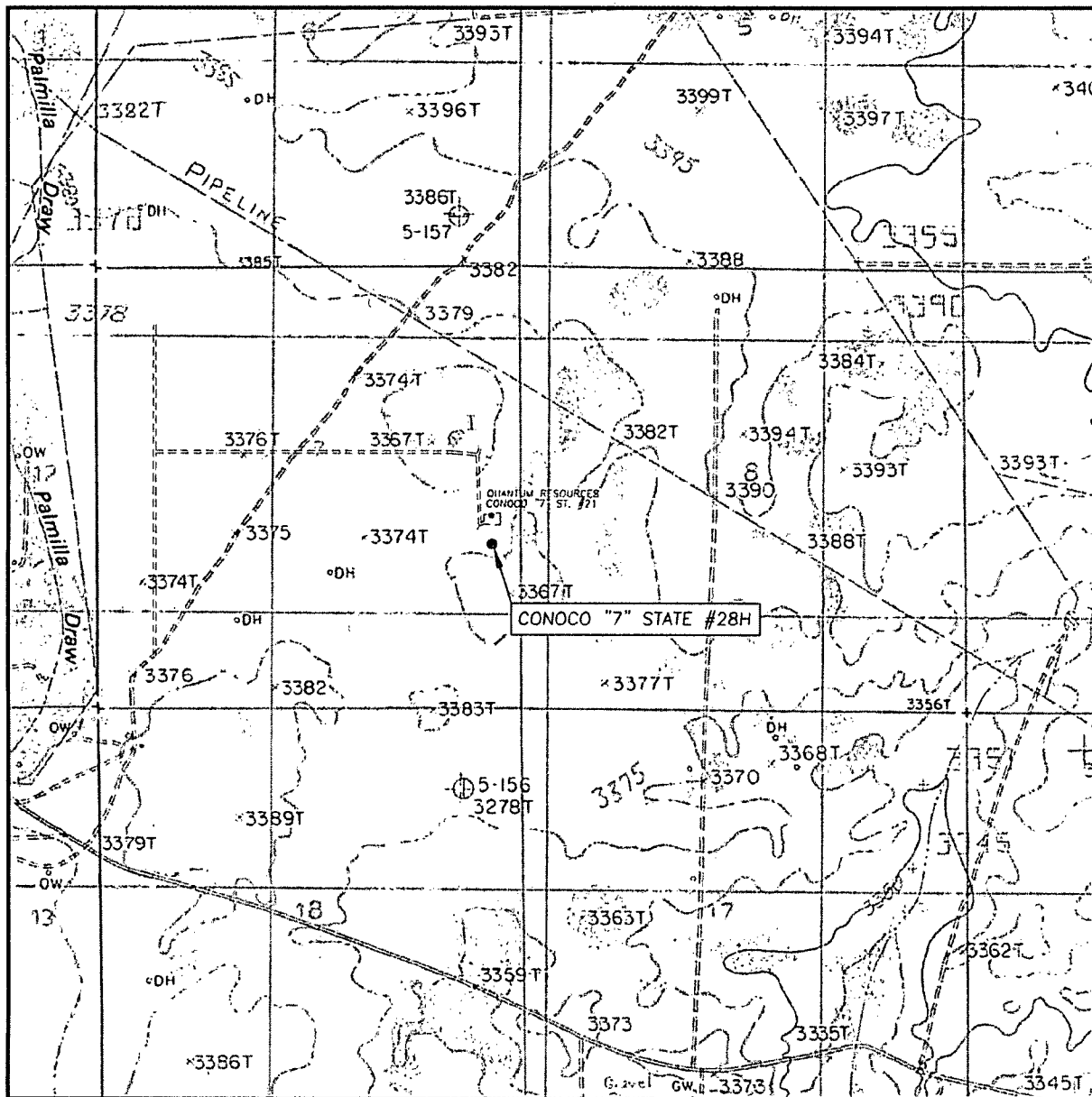
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	7	19 SOUTH	29 EAST, N.M.P.M.		1980'	SOUTH	180'	WEST	EDDY

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

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or leased 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. <i>Jennifer Duarte</i> 6/2/14 Signature Date Jennifer Duarte Printed Name jennifer.duarte@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from recent and accurate surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 15079 DECEMBER 13, 2013 Date of Survey <i>Terry J. Paul</i> 5/20/2014 Signature and Seal of Professional Surveyor Certificate Number 15079 WO# 111122WL-1 (Rev. B) (KA)
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LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 7 TWP. 19-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FSL & 330' FEL

ELEVATION 3376.1'

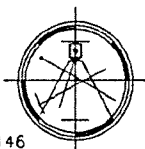
OPERATOR OXY USA INC.

LEASE CONOCO "7" STATE #28H

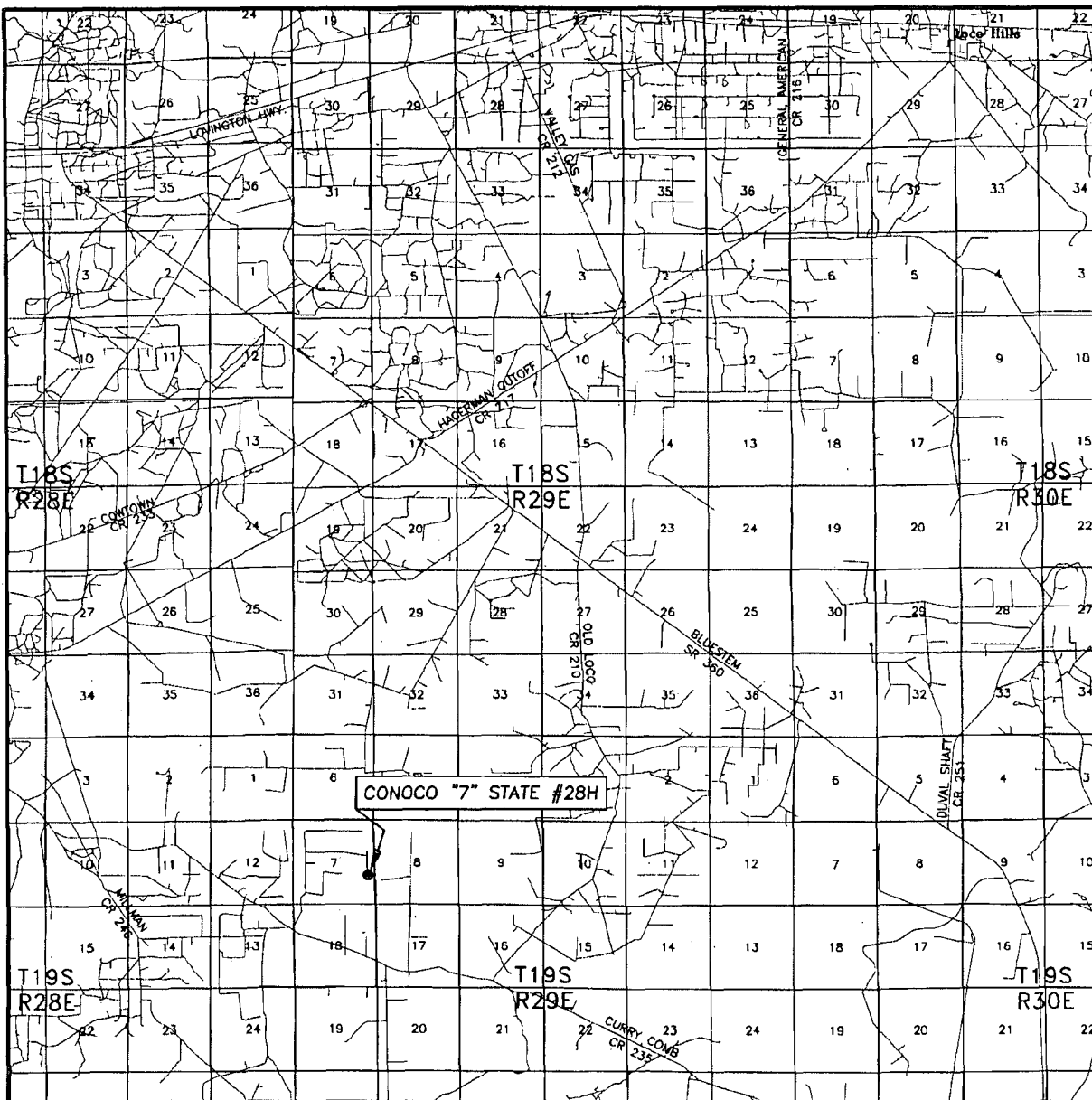
U.S.G.S. TOPOGRAPHIC MAP
ILLINOIS CAMP NE, N.M.

Asel Surveying

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



VICINITY MAP

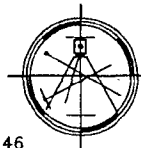


SEC. 7 TWP. 19-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 1980' FSL & 330' FEL
 ELEVATION 3376.1'
 OPERATOR OXY USA INC.

SCALE: 1" = 2 MILES

Asel Surveying

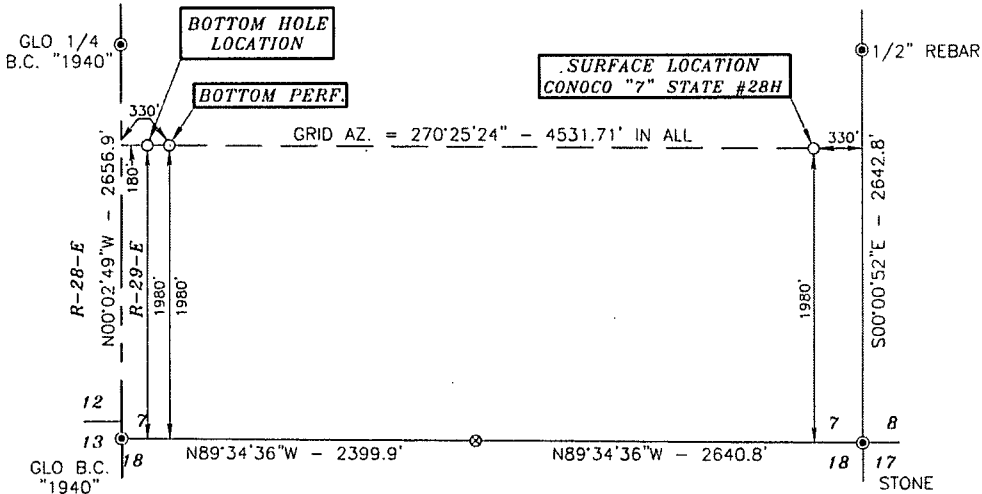
P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-393-9146



LEASE CONOCO "7" STATE #28H

DIRECTIONS FROM THE INTERSECTION OF U.S. HWY. #82 AND COUNTY ROAD #360 (BLUESTEM ROAD), GO SOUTHEAST ON COUNTY ROAD #360 FOR 7.9 MILES, TURN RIGHT ON COUNTY ROAD #210 (OLD LOCO ROAD) AND GO SOUTH FOR 5.7 MILES, TURN RIGHT ON COUNTY ROAD #235 (CURRY COMB ROAD) AND GO WEST FOR 2.5 MILES, TURN RIGHT ON HORSESHOE ROAD AND GO NORTH FOR 1.0 MILES, TURN RIGHT AND GO EAST FOR 0.7 MILES, TURN RIGHT AND GO SOUTH FOR 0.2 MILES, CONTINUE SOUTHWEST ON PROPOSED ROAD FOR 71.4 FEET TO LOCATION.

SECTION 7, TOWNSHIP 19 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DRIVING DIRECTIONS:
FROM THE INTERSECTION OF U.S. HWY. #82 AND
COUNTY ROAD #360 (BLUESTEM ROAD), GO
SOUTHEAST ON COUNTY ROAD #360 FOR 7.9
MILES, TURN RIGHT ON COUNTY ROAD #210
(OLD LOCO ROAD) AND GO SOUTH FOR 5.7
MILES, TURN RIGHT ON COUNTY ROAD #235
(CURRY COMB ROAD) AND GO WEST FOR 2.5
MILES, TURN RIGHT ON HORSESHOE ROAD AND
GO NORTH FOR 1.0 MILES, TURN RIGHT AND GO
EAST FOR 0.7 MILES, TURN RIGHT AND GO
SOUTH FOR 0.2 MILES, CONTINUE SOUTHWEST ON
PROPOSED ROAD FOR 71.4 FEET TO LOCATION.

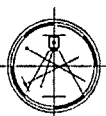


SURVEYORS CERTIFICATE

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

Terry J. Asel 5/20/2014
Terry J. Asel N.M. R.P.L.S. No. 15079

Asel Surveying



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

LEGEND

- ⊙ - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER

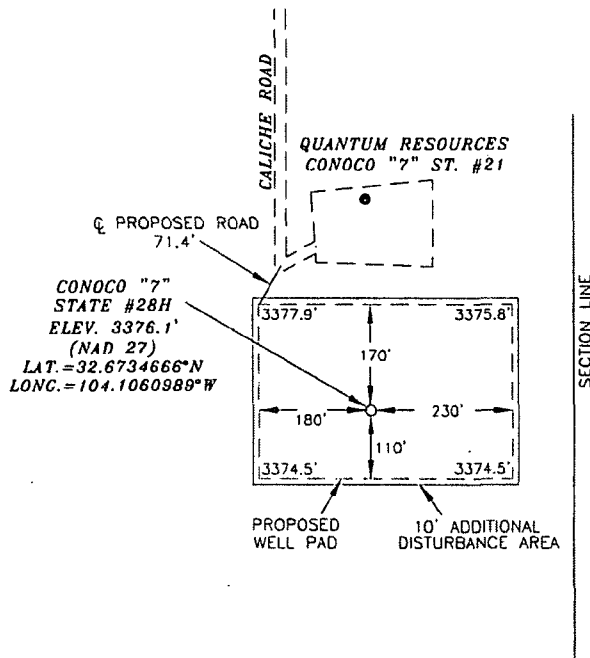
1000' 0 1000' 2000' FEET
SCALE: 1"=1000'

OXY USA INC.

CONOCO "7" STATE #28H LOCATED AT
1980' FSL & 330' FEL IN SECTION 7,
TOWNSHIP 19 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 12/13/13	Sheet 1 of 1 Sheets
W.O. Number: 111122WL-f (Rev. B)	Drawn By: KA Rev: B
Date: 05/16/14	111122WL-f Scale: 1"=1000'

OXY USA INC. CONOCO "7" STATE #28H SITE PLAN



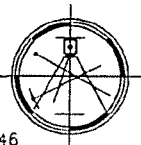
SURVEYORS CERTIFICATE

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

Terry J. Asel 1/17/2014
Terry J. Asel, N.M. R.P.L.S. No. 15079

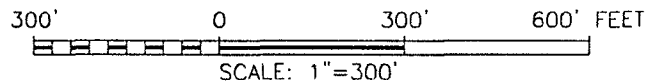
Asel Surveying

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



LEGEND

--- DENOTES PROPOSED WELL PAD
--- DENOTES PROPOSED ROAD



OXY USA INC.

CONOCO "7" STATE #28H WELL PAD LOCATED
AT 1980' FSL & 330' FEL IN SECTION 7,
TOWNSHIP 19 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 12/13/13	Sheet 1 of 1 Sheets
W.O. Number: 111122WL-f (Rev. A)	Drawn By: KA Rev: A
Date: 01/06/14	111122WL-f Scale: 1"=300'

OXY USA INC

APD Data

OPERATOR NAME / NUMBER: OXY USA INC

LEASE NAME / NUMBER: CONOCO 7 STATE 28H

STATE: NM

COUNTY: EDDY

SURFACE LOCATION & BOTTOM HOLE LOCATION LOCATED IN WELL PLAT (c102)

APPROX GR ELEV: 3376.1'

EST KB ELEV: 3400.1' (24' KB-GL)

1. GEOLOGIC NAME OF SURFACE FORMATION

a. Permian

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS

Formation	TVD - RKB	Expected Fluids
Top Rustler	250	--
Top Salado (Salt)	300	--
Top Tansil	850	--
Top Seven Rivers	1320	--
Top Queen	1870	--
Top Delaware	2950	--
Top 1 st Bone Spring	4010	Oil/Gas
Top 2 nd Bone Spring	6835	Oil/Gas
Top 3 rd Bone Spring	7840	Oil/Gas

- Fresh water may be present above the Rustler formation. Surface casing will be set below the top of the Rustler to protect any possible fresh water.

GREATEST PROJECTED TD "LATERAL LP": 8176' MD / 7750' TVD

GREATEST PROJECTED TD "LATERAL TOE": 11976' MD / 7660' TVD

OBJECTIVE: 2nd Bone Spring

3. CASING PROGRAM (ALL NEW CASING)

Surface Casing ran in a 14.75" hole filled with 8.5 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
14.75	300	11.75	47	J55	BTC	11	737	3070	1510	1.43	10.80	6.62

Intermediate Casing ran in a 10.625" hole filled with 10 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
10.625	3050	8.625	32	J55	LTC	7.921*	417	3930	2530	1.32	2.43	2.29

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	11976	5.500	17	L80	BTC	4.892	397	7740	6290	1.23	1.66	1.86

*SPECIAL DRIFT TO 7.875"

Casing Design Assumptions:

Burst, Collapse and Tensile SF are calculated using Landmark's Stress Check (Casing Design) software.

Burst Loads

CSG Test (Surface)

Internal: Displacement fluid + 70% CSG Burst rating

External: Pore Pressure from section TD to surface

CSG Test (Intermediate)

Internal: Displacement fluid + 70% CSG Burst rating

External: Pore Pressure from the Intermediate hole TD to Surface CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

CSG Test (Production)

Internal: Displacement fluid + 80% CSG Burst rating

External: Pore Pressure from the well TD the Intermediate CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Gas Kick (Surface/Intermediate)

Internal: Gas Kick based on Pore Pressure or Fracture Gradient @ CSG shoe with a gas 0.115psi/ft Gas gradient to surface while drilling the next hole section (e.g. Gas Kick while drilling the production hole section is a burst load used to design the intermediate CSG)

External: Pore Pressure from section TD to previous CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Stimulation (Production)

Internal: Displacement fluid + Max Frac treating pressure (not to exceed 80% CSG Burst rating)

External: Pore Pressure from the well TD to the Intermediate CSG shoe and 8.5 ppg MWE to surface

Collapse Loads

Lost Circulation (Surface/Intermediate)

Internal: Losses experienced while drilling the next hole section (e.g. losses while drilling the production hole section are used as a collapse load to design the intermediate CSG). After losses there will be a column of mud inside the CSG with an equivalent weight to the Pore Pressure of the lost circulation zone

External: MW of the drilling mud that was in the hole when the CSG was run

Cementing (Surface/Intermediate/Production)

Internal: Displacement Fluid

External: Cement Slurries to TOC, MW to surface

Full Evacuation (Production)

Internal: Atmospheric Pressure

External: MW of the drilling mud that was in the hole when the CSG was run

Tension Loads

Running CSG (Surface/Intermediate/Production)

Axial load of the buoyant weight of the string plus either 100 klb over-pull or string weight in air, whichever is less

Green Cement (Surface/Intermediate/Production)

Axial load of the buoyant weight of the string plus the cement plug bump pressure (Final displacement pressure + 500 psi)

4. CEMENT PROGRAM:

Surface Interval (125% Excess)

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Tail: 0' – 300'	240	300	Premium Plus Cement 2% Calcium Chloride – Flake	6.39	14.8	1.35	1726

Intermediate Interval (125% Excess)

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' – 2550'	610	2550	Halliburton Light Premium Plus Cement 5% Salt, 0.1% HR-800	9.84	12.9	1.85	846
Tail: 2550' – 3050'	190	500	Premium Plus cement	6.34	14.8	1.33	1779

Production Casing

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 2050' – 7034' (100% Excess)	430	4984	Tuned Light Cement 3 lbm/sk Kol-Seal, 0.125 lbm/sk Poly-E-Flake, 0.25 lbm/sk HR-800	14.05	10.2	2.95	463 (500 psi in 25 hrs)
Tail: 7034' – 11976' (40% Excess)	730	4942	Super H Cement 0.5 % Halad-344, 0.4 % CFR-3, 3 lbm/sk Salt, 0.2% HR-601, 0.125 lbm/sk Poly-E-Flake, 3 lbm/sk Kol-Seal	8.56	13.2	1.66	1263

Cement Additives: Calcium Chloride – Flake (Accelerator), Halad-344 (Low Fluid Loss Control), CFR-3 (Dispersant), HR 601 & HR 800 (Retarder), Kol-Seal & Poly-E-Flake (Lost Circulation Additive)

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

5. DIRECTIONAL PLAN - Attached

6. PRESSURE CONTROL EQUIPMENT

Surface: 0' – Surf Casing Shoe None.

Intermediate and Production: Surface Casing Shoe – TD. Intermediate and Production hole will be drilled with a 13-5/8" 10M three ram stack with a 5M annular preventer and a 5M Choke Manifold.

- a. All BOP's and associated equipment will be tested in accordance with Onshore Order #2 (250/5000 psi on rams for 10 minutes each and 250/3500 psi for 10 minutes for annular preventer, equal to 70% of working pressure) with a third party BOP testing service before drilling out the surface casing shoe. A Multibowl wellhead system will be used in this well therefore the BOPE test will cover the test requirements for the Intermediate and Production sections.
- b. The Surface and Intermediate casings strings will be tested to 70% of their burst rating for 30 minutes. This will also test the seals of the lock down pins that hold the pack-off in place in the Multibowl wellhead system.
- c. Pipe rams will be function tested every 24 hours and blind rams will be tested each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be accommodated on the drilling spool below the ram-type BOP.
- d. The BOPE test will be repeated within 21 days of the original test, on the first trip, if drilling the intermediate or production section takes more time than planned.
- e. Other accessory BOP equipment will include a floor safety valve, choke lines, and choke manifold having a 5000 psi working pressure rating and tested to 5000 psi.
- f. The Operator also requests a variance to connect the BOP choke outlet to the choke manifold using a co-flex hose manufactured by Contitech Rubber Industrial KFT. It is a 3" ID x 35' flexible hose with a 10,000 psi working pressure. It has been tested to 15,000 psi and is built to API Spec 16C. Once the flex line is installed it will be tied down with safety clamps (certifications attached).
- g. BOP & Choke manifold diagrams attached.

7. MUD PROGRAM:

Depth	Mud Wt, ppg	Vis, sec	Fluid Loss	Type System
0 – Surf Csg Shoe	8.5 – 9.0	28 – 38	NC	Fresh Water / Spud Mud
Surf – Int Csg Shoe	9.8 – 10	28 – 32	NC	Brine
Int Csg Shoe – KOP	8.8 – 9.2	28 – 34	NC	Cut Brine / Sweeps
KOP – TD	9.2 – 9.4	32 – 40	NC	Cut Brine / Sweeps

Remarks: Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

8. CLOSED LOOP SYSTEM

A closed loop system will be utilized, consisting of above ground steel tanks and haul-off bins. Liquids, drilling fluids and cuttings will be disposed of at an approved facility.

9. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT

- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor unobstructed and readily accessible at all times.
- Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached.

10. POTENTIAL HAZARDS

- No abnormal temperatures or pressures are anticipated. The highest anticipated pressure gradient is **0.46 psi/ft**. Maximum anticipated bottom hole pressure is **3600 psi**.
- All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

11. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

Move in operations and drilling is expected to take 35 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.

12. WIRELINE LOGGING / MUD LOGGING / LWD

- Triple Combo
- Mud loggers to be rigged up from surface casing shoe to TD
- MWD/ GR while drilling, from KOP to TD

COMPANY PERSONNEL:

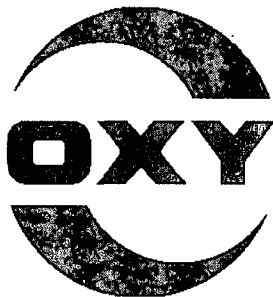
<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Mobile Phone</u>
Kacie Cruz	Drilling Engineer	(713) 350-4889	(281) 433-6594
Sebastian Millan	Drilling Engineer Supervisor	(713) 350-4950	(832) 528-3268
Roger Allen	Drilling Superintendent	(713) 215-7617	(281) 682-3919
Oscar Quintero	Drilling Manager	(713) 985-6343	(713) 689-4946



Weatherford[®]

Drilling Services

Proposal



OCCIDENTAL PERMIAN LTD.

CONOCO 7 STATE #28H

EDDY COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

MAY 06, 2014

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

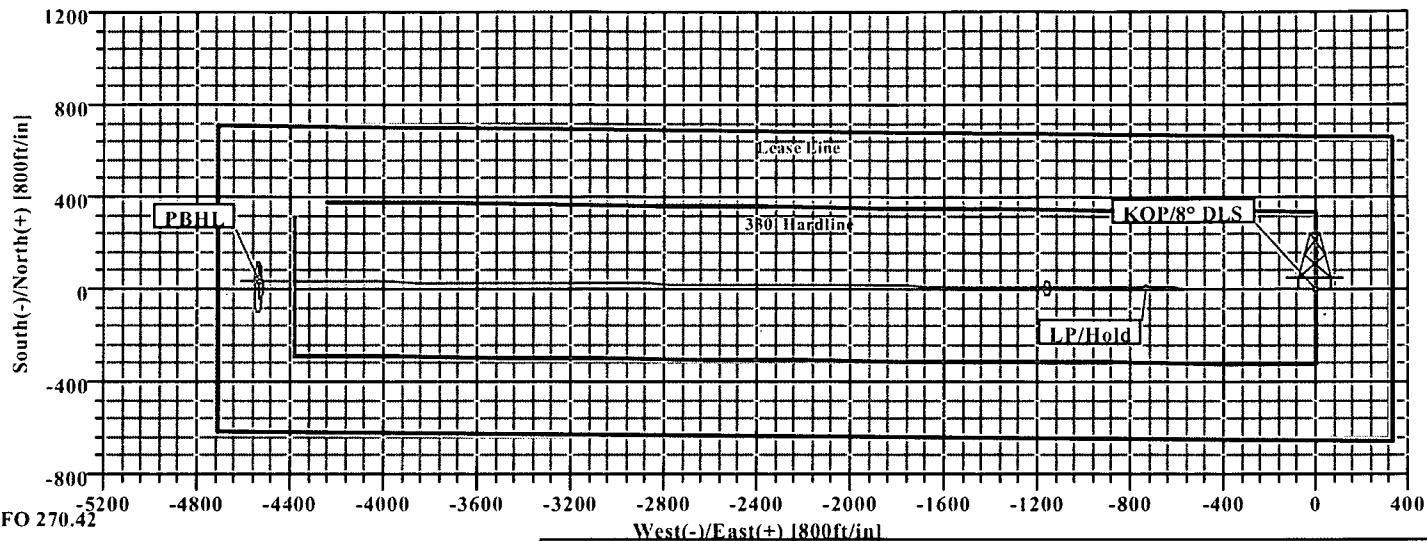
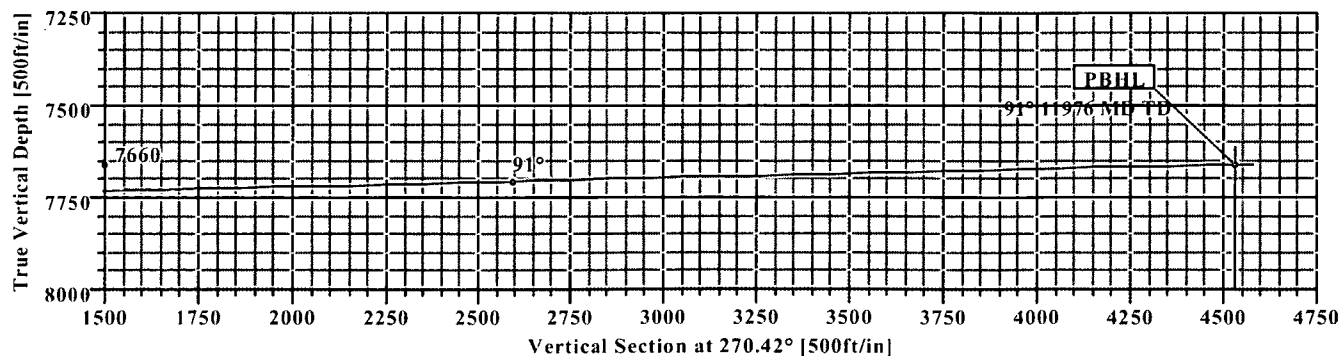
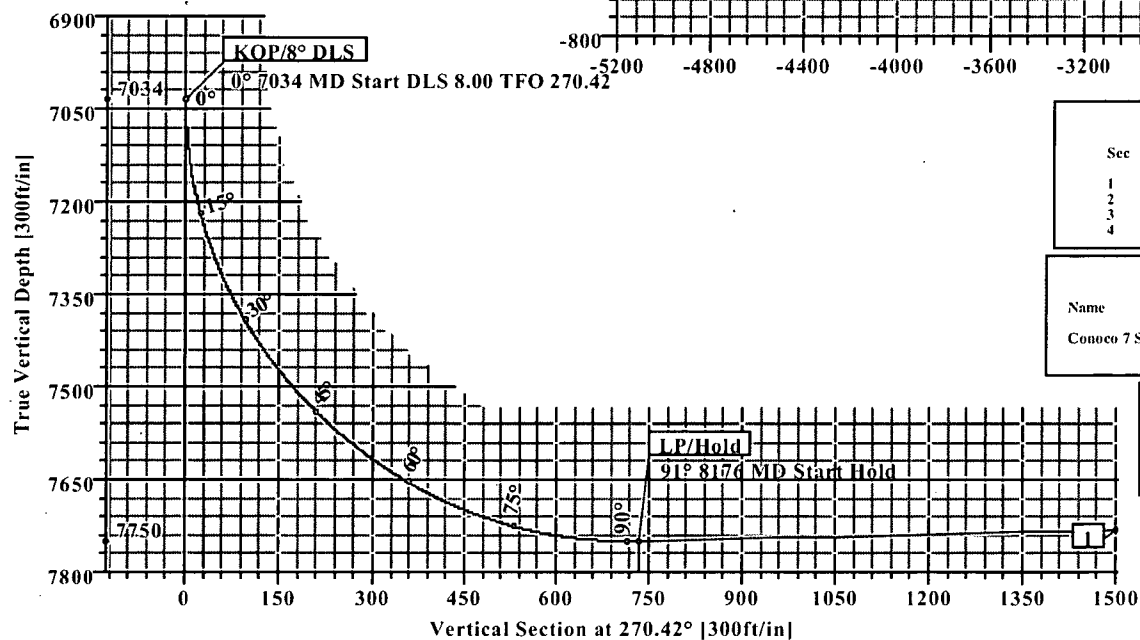
www.weatherford.com



Conoco 7 State #28H
Eddy Co, NM



KB ELEV: 3400.1
GL ELEV: 3376.1



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	7034.00	0.00	0.00	7034.00	0.00	0.00	0.00	0.00	0.00	
3	8175.97	91.36	270.42	7750.00	5.42	-733.14	8.00	270.42	733.16	
4	11975.54	91.36	270.42	7660.00	33.51	-4531.55	0.00	0.00	4531.67	PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Conoco 7 State #28H	0.00	0.00	608793.10	569921.80	32°40'24.480N	104°06'21.956W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7660.00	33.51	-4531.55	608826.61	565390.25	Point

LEGEND	
	Boo 9 State #2H (Pilot)
	Exist Boo State #1 (1)
	Exist Conoco 7 State #1 (1)
	Plan #1



Weatherford



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd. Date: 4/28/2014 Time: 09:38:49 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Conoco 7 State #28H, Grid North
 Site: Conoco 7 State #28H Vertical (TVD) Reference: SITE 3400.1
 Well: Conoco 7 State #28H Section (VS) Reference: Well (0.00N,0.00E,270.42Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #1 Date Composed: 4/4/2014
 Principal: Yes Version: 1
 Tied-to: User Defined

Site: Conoco 7 State #28H

Site Position: Northing: 608793.10 ft Latitude: 32 40 24.480 N
 From: Map Easting: 569921.80 ft Longitude: 104 6 21.956 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3376.10 ft Grid Convergence: 0.12 deg

Well: Conoco 7 State #28H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 608793.10 ft Latitude: 32 40 24.480 N
 +E/-W 0.00 ft Easting: 569921.80 ft Longitude: 104 6 21.956 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 3400.10 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 4/4/2014 Above System Datum: Mean Sea Level
 Field Strength: 48573 nT Declination: 7.52 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.44 deg
 ft ft ft Direction deg
 0.00 0.00 0.00 270.42

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7034.00	0.00	0.00	7034.00	0.00	0.00	0.00	0.00	0.00	0.00	
8175.97	91.36	270.42	7750.00	5.42	-733.14	8.00	8.00	-7.84	270.42	
11975.54	91.36	270.42	7660.00	33.51	-4531.55	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian, Ltd. Date: 4/28/2014 Time: 09:38:49 Page: 2
Field: Eddy Co, NM (Nad.27) Co-ordinate(NE) Reference: Well: Conoco 7 State #28H, Grid North
Site: Conoco 7 State #28H Vertical (TVD) Reference: SITE 3400.1
Well: Conoco 7 State #28H Section (VS) Reference: Well (0.00N,0.00E,270.42Azi)
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
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	608793.10	569921.80	
7034.00	0.00	0.00	7034.00	0.00	0.00	0.00	0.00	608793.10	569921.80	KOP/8° DLS
7100.00	5.28	270.42	7099.91	0.02	-3.04	3.04	8.00	608793.12	569918.76	
7200.00	13.28	270.42	7198.52	0.14	-19.15	19.15	8.00	608793.24	569902.65	
7300.00	21.28	270.42	7293.93	0.36	-48.83	48.83	8.00	608793.46	569872.97	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/28/2014	Time: 09:38:49	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #28H, Grid North	
Site: Conoco 7 State #28H	Vertical (TVD) Reference:	SITE 3400.1	
Well: Conoco 7 State #28H	Section (VS) Reference:	Well (0.00N 0.00E, 270.42Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azin deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7400.00	29.28	270.42	7384.28	0.68	-91.50	91.50	8.00	608793.78	569830.30	
7500.00	37.28	270.42	7467.81	1.08	-146.33	146.33	8.00	608794.18	569775.47	
7600.00	45.28	270.42	7542.90	1.57	-212.24	212.25	8.00	608794.67	569709.56	
7700.00	53.28	270.42	7608.08	2.13	-287.97	287.98	8.00	608795.23	569633.83	
7800.00	61.28	270.42	7662.09	2.75	-372.03	372.04	8.00	608795.85	569549.77	
7900.00	69.28	270.42	7703.87	3.42	-462.79	462.81	8.00	608796.52	569459.01	
8000.00	77.28	270.42	7732.62	4.13	-558.48	558.50	8.00	608797.23	569363.32	
8100.00	85.28	270.42	7747.77	4.86	-657.25	657.26	8.00	608797.96	569264.55	
8175.97	91.36	270.42	7750.00	5.42	-733.14	733.16	8.00	608798.52	569188.66	LP/Hold
8200.00	91.36	270.42	7749.43	5.60	-757.17	757.19	0.00	608798.70	569164.63	
8300.00	91.36	270.42	7747.06	6.34	-857.14	857.16	0.00	608799.44	569064.66	
8400.00	91.36	270.42	7744.69	7.08	-957.11	957.13	0.00	608800.18	568964.69	
8500.00	91.36	270.42	7742.32	7.82	-1057.08	1057.10	0.00	608800.92	568864.72	
8600.00	91.36	270.42	7739.95	8.56	-1157.05	1157.08	0.00	608801.66	568764.75	
8700.00	91.36	270.42	7737.58	9.30	-1257.01	1257.05	0.00	608802.40	568664.79	
8800.00	91.36	270.42	7735.22	10.03	-1356.98	1357.02	0.00	608803.13	568564.82	
8900.00	91.36	270.42	7732.85	10.77	-1456.95	1456.99	0.00	608803.87	568464.85	
9000.00	91.36	270.42	7730.48	11.51	-1556.92	1556.96	0.00	608804.61	568364.88	
9100.00	91.36	270.42	7728.11	12.25	-1656.89	1656.94	0.00	608805.35	568264.91	
9200.00	91.36	270.42	7725.74	12.99	-1756.86	1756.91	0.00	608806.09	568164.94	
9300.00	91.36	270.42	7723.37	13.73	-1856.83	1856.88	0.00	608806.83	568064.97	
9400.00	91.36	270.42	7721.00	14.47	-1956.80	1956.85	0.00	608807.57	567965.00	
9500.00	91.36	270.42	7718.64	15.21	-2056.77	2056.82	0.00	608808.31	567865.03	
9600.00	91.36	270.42	7716.27	15.95	-2156.74	2156.80	0.00	608809.05	567765.06	
9700.00	91.36	270.42	7713.90	16.69	-2256.71	2256.77	0.00	608809.79	567665.09	
9800.00	91.36	270.42	7711.53	17.43	-2356.68	2356.74	0.00	608810.53	567565.12	
9900.00	91.36	270.42	7709.16	18.17	-2456.64	2456.71	0.00	608811.27	567465.16	
10000.00	91.36	270.42	7706.79	18.91	-2556.61	2556.68	0.00	608812.01	567365.19	
10100.00	91.36	270.42	7704.42	19.64	-2656.58	2656.66	0.00	608812.74	567265.22	
10200.00	91.36	270.42	7702.06	20.38	-2756.55	2756.63	0.00	608813.48	567165.25	
10300.00	91.36	270.42	7699.69	21.12	-2856.52	2856.60	0.00	608814.22	567065.28	
10400.00	91.36	270.42	7697.32	21.86	-2956.49	2956.57	0.00	608814.96	566965.31	
10500.00	91.36	270.42	7694.95	22.60	-3056.46	3056.54	0.00	608815.70	566865.34	
10600.00	91.36	270.42	7692.58	23.34	-3156.43	3156.52	0.00	608816.44	566765.37	
10700.00	91.36	270.42	7690.21	24.08	-3256.40	3256.49	0.00	608817.18	566665.40	
10800.00	91.36	270.42	7687.84	24.82	-3356.37	3356.46	0.00	608817.92	566565.43	
10900.00	91.36	270.42	7685.48	25.56	-3456.34	3456.43	0.00	608818.66	566465.46	
11000.00	91.36	270.42	7683.11	26.30	-3556.31	3556.40	0.00	608819.40	566365.49	
11100.00	91.36	270.42	7680.74	27.04	-3656.28	3656.38	0.00	608820.14	566265.52	
11200.00	91.36	270.42	7678.37	27.78	-3756.24	3756.35	0.00	608820.88	566165.56	
11300.00	91.36	270.42	7676.00	28.52	-3856.21	3856.32	0.00	608821.62	566065.59	
11400.00	91.36	270.42	7673.63	29.26	-3956.18	3956.29	0.00	608822.36	565965.62	
11500.00	91.36	270.42	7671.26	29.99	-4056.15	4056.26	0.00	608823.09	565865.65	
11600.00	91.36	270.42	7668.90	30.73	-4156.12	4156.24	0.00	608823.83	565765.68	
11700.00	91.36	270.42	7666.53	31.47	-4256.09	4256.21	0.00	608824.57	565665.71	
11800.00	91.36	270.42	7664.16	32.21	-4356.06	4356.18	0.00	608825.31	565565.74	
11900.00	91.36	270.42	7661.79	32.95	-4456.03	4456.15	0.00	608826.05	565465.77	
11975.54	91.36	270.42	7660.00	33.51	-4531.55	4531.67	0.00	608826.61	565390.25	PBHL



Weatherford International Ltd.

WFT Plan Report X and Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	4/28/2014	Time:	09:38:49	Page:	4
Field:	Eddy Co, NM (Nad:27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #28H, Grid North				
Site:	Conoco 7 State #28H	Vertical (TVD) Reference:	SITE 3400.1				
Well:	Conoco 7 State #28H	Section (VS) Reference:	Well (0.00N,0.00E,270.42Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature Db: Sybase				

Targets

Name	Description	Dir.	TVD	+N/-S	+E/-W	Map	Map	Latitude	Longitude
Dip.			ft	ft	ft	Northing	Easting	Deg Min Sec	Deg Min Sec
						ft	ft		
PBHL			7660.00	33.51	-4531.55	608826.61	565390.25	32 40 24.904 N	104 7 14.972 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD	TVD	
ft	ft	
7034.00	7034.00	KOP/8" DLS
8175.97	7750.00	LP/Hold
11975.54	7660.00	PBHL



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	4/4/2014	Time:	13:29:06	Page:	1
Field:	Eddy Co, NM (Nad 27)						
Reference Site:	Conoco 7 State #28H	Co-ordinate(NE) Reference:	Well: Conoco 7 State #28H; Grid North				
Reference Well:	Conoco 7 State #28H	Vertical (TVD) Reference:	SITE 3400.1				
Reference Wellpath:	1					Db:	Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
 Interpolation Method: MD Interval: 100.00 ft
 Depth Range: 0.00 to 11975.54 ft
 Maximum Radius: 10000.00 ft

Reference: Plan: Plan #1
 Error Model: ISCWSA Ellipse
 Scan Method: Closest Approach 3D
 Error Surface: Ellipse

Plan: Plan #1

Date Composed: 4/4/2014

Principal: Yes

Version: 1

Tied-to:

User Defined

Summary

Site	Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Exist Conoco 7 State	Exist Conoco 7 State	1 V0	10300.00	7700.59	1268.02	970.58	4.26	
Exist Government AL	Exist Government AL	1 V0						Out of range

Site: Exist Conoco 7 State #10

Well: Exist Conoco 7 State #10

Wellpath: 1 V0

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	0.90	0.90	0.00	0.01	295.13	1283.35	-2735.43	3021.52			No Data
100.00	100.00	100.90	100.90	0.09	1.46	295.13	1283.35	-2735.43	3021.52	3019.97	1954.97	
200.00	200.00	200.90	200.90	0.31	2.91	295.13	1283.35	-2735.43	3021.52	3018.30	939.10	
300.00	300.00	300.90	300.90	0.53	4.35	295.13	1283.35	-2735.43	3021.52	3016.63	617.98	
400.00	400.00	400.90	400.90	0.76	5.80	295.13	1283.35	-2735.43	3021.52	3014.95	460.51	
500.00	500.00	500.90	500.90	0.98	7.25	295.13	1283.35	-2735.43	3021.52	3013.28	367.00	
600.00	600.00	600.90	600.90	1.21	10.12	295.13	1283.35	-2735.43	3021.52	3010.18	266.58	
700.00	700.00	700.90	700.90	1.43	13.16	295.13	1283.35	-2735.43	3021.52	3006.92	207.01	
800.00	800.00	800.90	800.90	1.66	16.20	295.13	1283.35	-2735.43	3021.52	3003.66	169.20	
900.00	900.00	900.90	900.90	1.88	19.24	295.13	1283.35	-2735.43	3021.52	3000.40	143.07	
1000.00	1000.00	1000.90	1000.90	2.11	22.27	295.13	1283.35	-2735.43	3021.52	2997.14	123.93	
1100.00	1100.00	1100.90	1100.90	2.33	25.31	295.13	1283.35	-2735.43	3021.52	2993.87	109.31	
1200.00	1200.00	1200.90	1200.90	2.56	28.35	295.13	1283.35	-2735.43	3021.52	2990.61	97.77	
1300.00	1300.00	1300.90	1300.90	2.78	31.38	295.13	1283.35	-2735.43	3021.52	2987.35	88.44	
1400.00	1400.00	1400.90	1400.90	3.01	34.42	295.13	1283.35	-2735.43	3021.52	2984.09	80.73	
1500.00	1500.00	1500.90	1500.90	3.23	37.46	295.13	1283.35	-2735.43	3021.52	2980.83	74.26	
1600.00	1600.00	1600.90	1600.90	3.46	40.49	295.13	1283.35	-2735.43	3021.52	2977.57	68.75	
1700.00	1700.00	1700.90	1700.90	3.68	43.53	295.13	1283.35	-2735.43	3021.52	2974.30	64.00	
1800.00	1800.00	1800.90	1800.90	3.91	46.57	295.13	1283.35	-2735.43	3021.52	2971.04	59.86	
1900.00	1900.00	1900.90	1900.90	4.13	49.60	295.13	1283.35	-2735.43	3021.52	2967.78	56.23	
2000.00	2000.00	2000.90	2000.90	4.36	52.64	295.13	1283.35	-2735.43	3021.52	2964.52	53.01	
2100.00	2100.00	2100.90	2100.90	4.58	55.68	295.13	1283.35	-2735.43	3021.52	2961.26	50.14	
2200.00	2200.00	2200.90	2200.90	4.81	58.71	295.13	1283.35	-2735.43	3021.52	2958.00	47.57	
2300.00	2300.00	2300.90	2300.90	5.03	61.75	295.13	1283.35	-2735.43	3021.52	2954.73	45.24	
2400.00	2400.00	2400.90	2400.90	5.26	64.79	295.13	1283.35	-2735.43	3021.52	2951.47	43.14	
2500.00	2500.00	2500.90	2500.90	5.48	67.83	295.13	1283.35	-2735.43	3021.52	2948.21	41.22	
2600.00	2600.00	2600.90	2600.90	5.70	70.86	295.13	1283.35	-2735.43	3021.52	2944.95	39.46	
2700.00	2700.00	2700.90	2700.90	5.93	73.90	295.13	1283.35	-2735.43	3021.52	2941.69	37.85	
2800.00	2800.00	2800.90	2800.90	6.15	76.94	295.13	1283.35	-2735.43	3021.52	2938.43	36.36	
2900.00	2900.00	2900.90	2900.90	6.38	79.97	295.13	1283.35	-2735.43	3021.52	2935.16	34.99	
3000.00	3000.00	3000.90	3000.90	6.60	83.01	295.13	1283.35	-2735.43	3021.52	2931.90	33.72	
3100.00	3100.00	3100.90	3100.90	6.83	86.05	295.13	1283.35	-2735.43	3021.52	2928.64	32.53	
3200.00	3200.00	3200.90	3200.90	7.05	89.08	295.13	1283.35	-2735.43	3021.52	2925.38	31.43	
3300.00	3300.00	3300.90	3300.90	7.28	92.12	295.13	1283.35	-2735.43	3021.52	2922.12	30.40	
3400.00	3400.00	3400.90	3400.90	7.50	95.16	295.13	1283.35	-2735.43	3021.52	2918.86	29.43	
3500.00	3500.00	3500.90	3500.90	7.73	98.19	295.13	1283.35	-2735.43	3021.52	2915.59	28.53	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 4/4/2014 Time: 13:29:06 Page: 2
 Field: Eddy Co. NM (Nad 27)
 Reference Site: Conoco 7 State #28H Co-ordinate(NE) Reference: Well: Conoco 7 State #28H, Grid North
 Reference Well: Conoco 7 State #28H Vertical (TVD) Reference: SITE 3400.1
 Reference Wellpath: 1 Db: Sybase

Site: Exist Conoco 7 State #10
 Well: Exist Conoco 7 State #10
 Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference MD	TVD ft	Offset MD	TVD ft	Semi-Major Axis Ref	Offset ft	TFO-HS deg	Offset Location North	East	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
3600.00	3600.00	3600.90	3600.90	7.95	101.23	295.13	1283.35	-2735.43	3021.52	2912.33	27.67	
3700.00	3700.00	3700.90	3700.90	8.18	104.27	295.13	1283.35	-2735.43	3021.52	2909.07	26.87	
3800.00	3800.00	3800.90	3800.90	8.40	107.30	295.13	1283.35	-2735.43	3021.52	2905.81	26.11	
3900.00	3900.00	3900.90	3900.90	8.63	110.34	295.13	1283.35	-2735.43	3021.52	2902.55	25.40	
4000.00	4000.00	4000.90	4000.90	8.85	113.38	295.13	1283.35	-2735.43	3021.52	2899.29	24.72	
4100.00	4100.00	4100.90	4100.90	9.08	116.42	295.13	1283.35	-2735.43	3021.52	2896.02	24.08	
4200.00	4200.00	4200.90	4200.90	9.30	119.45	295.13	1283.35	-2735.43	3021.52	2892.76	23.47	
4300.00	4300.00	4300.90	4300.90	9.53	122.49	295.13	1283.35	-2735.43	3021.52	2889.50	22.89	
4400.00	4400.00	4400.90	4400.90	9.75	125.53	295.13	1283.35	-2735.43	3021.52	2886.24	22.34	
4500.00	4500.00	4500.90	4500.90	9.98	128.56	295.13	1283.35	-2735.43	3021.52	2882.98	21.81	
4600.00	4600.00	4600.90	4600.90	10.20	131.60	295.13	1283.35	-2735.43	3021.52	2879.72	21.31	
4700.00	4700.00	4700.90	4700.90	10.42	134.64	295.13	1283.35	-2735.43	3021.52	2876.45	20.83	
4800.00	4800.00	4800.90	4800.90	10.65	137.67	295.13	1283.35	-2735.43	3021.52	2873.19	20.37	
4900.00	4900.00	4900.90	4900.90	10.87	140.71	295.13	1283.35	-2735.43	3021.52	2869.93	19.93	
5000.00	5000.00	5000.90	5000.90	11.10	143.75	295.13	1283.35	-2735.43	3021.52	2866.67	19.51	
5100.00	5100.00	5100.90	5100.90	11.32	146.78	295.13	1283.35	-2735.43	3021.52	2863.41	19.11	
5200.00	5200.00	5200.90	5200.90	11.55	149.82	295.13	1283.35	-2735.43	3021.52	2860.15	18.72	
5300.00	5300.00	5300.90	5300.90	11.77	152.86	295.13	1283.35	-2735.43	3021.52	2856.88	18.35	
5400.00	5400.00	5400.90	5400.90	12.00	155.89	295.13	1283.35	-2735.43	3021.52	2853.62	18.00	
5500.00	5500.00	5500.90	5500.90	12.22	158.93	295.13	1283.35	-2735.43	3021.52	2850.36	17.65	
5600.00	5600.00	5600.90	5600.90	12.45	161.97	295.13	1283.35	-2735.43	3021.52	2847.10	17.32	
5700.00	5700.00	5700.90	5700.90	12.67	165.01	295.13	1283.35	-2735.43	3021.52	2843.84	17.01	
5800.00	5800.00	5800.90	5800.90	12.90	168.04	295.13	1283.35	-2735.43	3021.52	2840.58	16.70	
5900.00	5900.00	5900.90	5900.90	13.12	171.08	295.13	1283.35	-2735.43	3021.52	2837.31	16.40	
6000.00	6000.00	6000.90	6000.90	13.35	174.12	295.13	1283.35	-2735.43	3021.52	2834.05	16.12	
6100.00	6100.00	6100.90	6100.90	13.57	177.15	295.13	1283.35	-2735.43	3021.52	2830.79	15.84	
6200.00	6200.00	6200.90	6200.90	13.80	180.19	295.13	1283.35	-2735.43	3021.52	2827.53	15.58	
6300.00	6300.00	6300.90	6300.90	14.02	183.23	295.13	1283.35	-2735.43	3021.52	2824.27	15.32	
6400.00	6400.00	6400.90	6400.90	14.25	186.26	295.13	1283.35	-2735.43	3021.52	2821.01	15.07	
6500.00	6500.00	6500.90	6500.90	14.47	189.30	295.13	1283.35	-2735.43	3021.52	2817.75	14.83	
6600.00	6600.00	6600.90	6600.90	14.70	192.34	295.13	1283.35	-2735.43	3021.52	2814.48	14.59	
6700.00	6700.00	6700.90	6700.90	14.92	195.37	295.13	1283.35	-2735.43	3021.52	2811.22	14.37	
6800.00	6800.00	6800.90	6800.90	15.14	198.41	295.13	1283.35	-2735.43	3021.52	2807.96	14.15	
6900.00	6900.00	6900.90	6900.90	15.37	201.45	295.13	1283.35	-2735.43	3021.52	2804.70	13.94	
7000.00	7000.00	7000.90	7000.90	15.59	204.48	295.13	1283.35	-2735.43	3021.52	2801.44	13.73	
7100.00	7099.91	7100.81	7100.81	15.80	207.52	24.83	1283.35	-2735.43	3018.76	2795.48	13.52	
7200.00	7198.52	7199.42	7199.42	16.01	210.51	25.46	1283.35	-2735.43	3004.13	2777.92	13.28	
7300.00	7293.93	7294.83	7294.83	16.23	213.41	26.69	1283.35	-2735.43	2977.23	2748.38	13.01	
7400.00	7384.28	7385.18	7385.18	16.50	216.15	28.62	1283.35	-2735.43	2938.64	2707.46	12.71	
7500.00	7467.81	7468.71	7468.71	16.84	218.69	31.42	1283.35	-2735.43	2889.23	2655.97	12.39	
7600.00	7542.90	7543.80	7543.80	17.31	220.97	35.33	1283.35	-2735.43	2830.09	2594.86	12.03	
7700.00	7608.08	7608.98	7608.98	17.95	222.95	40.69	1283.35	-2735.43	2762.53	2525.19	11.64	
7800.00	7662.09	7662.99	7662.99	18.81	224.59	47.93	1283.35	-2735.43	2688.04	2448.09	11.20	
7900.00	7703.87	7704.77	7704.77	19.90	225.86	57.41	1283.35	-2735.43	2608.27	2365.07	10.72	
8000.00	7732.62	7733.52	7733.52	21.22	226.73	69.14	1283.35	-2735.43	2524.97	2278.24	10.23	
8100.00	7747.77	7748.67	7748.67	22.74	227.19	82.26	1283.35	-2735.43	2439.95	2190.20	9.77	
8200.00	7749.43	7750.33	7750.33	24.41	227.24	92.13	1283.35	-2735.43	2355.03	2103.39	9.36	
8300.00	7747.06	7747.96	7747.96	26.21	227.17	92.03	1283.35	-2735.43	2271.29	2017.92	8.96	
8400.00	7744.69	7745.59	7745.59	28.11	227.10	91.92	1283.35	-2735.43	2188.90	1933.71	8.58	
8500.00	7742.32	7743.22	7743.22	30.11	227.03	91.81	1283.35	-2735.43	2108.04	1850.93	8.20	
8600.00	7739.95	7740.85	7740.85	32.17	226.96	91.71	1283.35	-2735.43	2028.89	1769.78	7.83	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 4/4/2014 Time: 13:29:06 Page: 3
 Field: Eddy Co, NM (Nad:27)
 Reference Site: Conoco 7 State #28H Co-ordinate(NE) Reference: Well: Conoco 7 State #28H Grid North
 Reference Well: Conoco 7 State #28H Vertical (TVD) Reference: SITE 3400.1
 Reference Wellpath: 1 Db: Sybase

Site: Exist Conoco 7 State #10
 Well: Exist Conoco 7 State #10
 Wellpath: 1 VO

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	deg	ft	ft	ft	ft		
8700.00	7737.58	7738.48	7738.48	34.29	226.88	91.60	1283.35	-2735.43	1951.65	1690.48	7.47	
8800.00	7735.22	7736.12	7736.12	36.47	226.81	91.49	1283.35	-2735.43	1876.55	1613.29	7.13	
8900.00	7732.85	7733.75	7733.75	38.68	226.74	91.38	1283.35	-2735.43	1803.87	1538.46	6.80	
9000.00	7730.48	7731.38	7731.38	40.93	226.67	91.28	1283.35	-2735.43	1733.91	1466.33	6.48	
9100.00	7728.11	7729.01	7729.01	43.20	226.60	91.17	1283.35	-2735.43	1667.01	1397.23	6.18	
9200.00	7725.74	7726.64	7726.64	45.50	226.52	91.06	1283.35	-2735.43	1603.56	1331.55	5.90	
9300.00	7723.37	7724.27	7724.27	47.82	226.45	90.95	1283.35	-2735.43	1543.98	1269.71	5.63	
9400.00	7721.00	7721.90	7721.90	50.16	226.38	90.85	1283.35	-2735.43	1488.73	1212.20	5.38	
9500.00	7718.64	7719.54	7719.54	52.51	226.31	90.74	1283.35	-2735.43	1438.32	1159.51	5.16	
9600.00	7716.27	7717.17	7717.17	54.88	226.24	90.63	1283.35	-2735.43	1393.27	1112.16	4.96	
9700.00	7713.90	7714.80	7714.80	57.25	226.16	90.52	1283.35	-2735.43	1354.11	1070.69	4.78	
9800.00	7711.53	7712.43	7712.43	59.64	226.09	90.42	1283.35	-2735.43	1321.37	1035.63	4.62	
9900.00	7709.16	7710.06	7710.06	62.04	226.02	90.31	1283.35	-2735.43	1295.53	1007.47	4.50	
10000.00	7706.79	7707.69	7707.69	64.45	225.95	90.20	1283.35	-2735.43	1277.03	986.63	4.40	
10100.00	7704.42	7705.32	7705.32	66.86	225.88	90.09	1283.35	-2735.43	1266.16	973.42	4.33	
10200.00	7702.06	7702.96	7702.96	69.28	225.81	89.99	1283.35	-2735.43	1263.14	968.06	4.28	
10300.00	7699.69	7700.59	7700.59	71.71	225.73	89.88	1283.35	-2735.43	1268.02	970.58	4.26	
10400.00	7697.32	7698.22	7698.22	74.14	225.66	89.77	1283.35	-2735.43	1280.71	980.91	4.27	
10500.00	7694.95	7695.85	7695.85	76.57	225.59	89.67	1283.35	-2735.43	1300.98	998.82	4.31	
10600.00	7692.58	7693.48	7693.48	79.01	225.52	89.56	1283.35	-2735.43	1328.48	1023.95	4.36	
10700.00	7690.21	7691.11	7691.11	81.46	225.45	89.45	1283.35	-2735.43	1362.78	1055.88	4.44	
10800.00	7687.84	7688.74	7688.74	83.91	225.37	89.34	1283.35	-2735.43	1403.38	1094.10	4.54	
10900.00	7685.48	7686.38	7686.38	86.36	225.30	89.24	1283.35	-2735.43	1449.74	1138.09	4.65	
11000.00	7683.11	7684.01	7684.01	88.81	225.23	89.13	1283.35	-2735.43	1501.34	1187.30	4.78	
11100.00	7680.74	7681.64	7681.64	91.27	225.16	89.02	1283.35	-2735.43	1557.65	1241.23	4.92	
11200.00	7678.37	7679.27	7679.27	93.73	225.09	88.91	1283.35	-2735.43	1618.19	1299.38	5.08	
11300.00	7676.00	7676.90	7676.90	96.19	225.01	88.81	1283.35	-2735.43	1682.49	1361.30	5.24	
11400.00	7673.63	7674.53	7674.53	98.65	224.94	88.70	1283.35	-2735.43	1750.14	1426.56	5.41	
11500.00	7671.26	7672.16	7672.16	101.12	224.87	88.59	1283.35	-2735.43	1820.77	1494.80	5.59	
11600.00	7668.90	7669.80	7669.80	103.59	224.80	88.48	1283.35	-2735.43	1894.05	1565.69	5.77	
11700.00	7666.53	7667.43	7667.43	106.06	224.73	88.38	1283.35	-2735.43	1969.67	1638.92	5.96	
11800.00	7664.16	7665.06	7665.06	108.53	224.65	88.27	1283.35	-2735.43	2047.39	1714.24	6.15	
11900.00	7661.79	7662.69	7662.69	111.00	224.58	88.16	1283.35	-2735.43	2126.96	1791.42	6.34	
11975.54	7660.00	7660.90	7660.90	112.87	224.53	88.08	1283.35	-2735.43	2188.18	1850.83	6.49	

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

GeoDec v5.03

Report Date: May 06, 2014
Job Number: _____
Customer: Oxy
Well Name: Conoco 7 State #28H
API Number: _____
Rig Name: _____
Location: Eddy County, NM (Nad 27)
Block: _____
Engineer: Michael Dill

US State Plane 1927 (Exact solution)	Geodetic Latitude / Longitude
System: New Mexico East 3001	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 608793.100 USFT	Latitude 32.6734666 DEG
East/West 569921.800 USFT	Longitude -104.1060990 DEG
Grid Convergence: .12°	
Total Correction: +7.52°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.67347° N	32° 40 min 24.480 sec
Longitude =	104.10610° W	104° 6 min 21.956 sec

Magnetic Declination =	7.64°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6572
Local Field Strength =	48537 nT	Magnetic Vector X = 23744 nT
Magnetic Dip =	60.42°	Magnetic Vector Y = 3184 nT
Magnetic Model =	bggm2013	Magnetic Vector Z = 42212 nT
Spud Date =	May 06, 2014	Magnetic Vector H = 23956 nT

Signed: _____

Date: _____