

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Artesia, 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

NM OIL CONSERVATION
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

JUN 03 2014
RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

AF# Number 30-015-42399	Pool Code 60660	Pool Name Turkey Track Bone Spring
Property Code 30e376	Property Name CONOCO "7" STATE	
OGRID No. 110696	Operator Name OXY USA INC.	
	Well Number 30H	Elevation 3381.9'

Surface Location

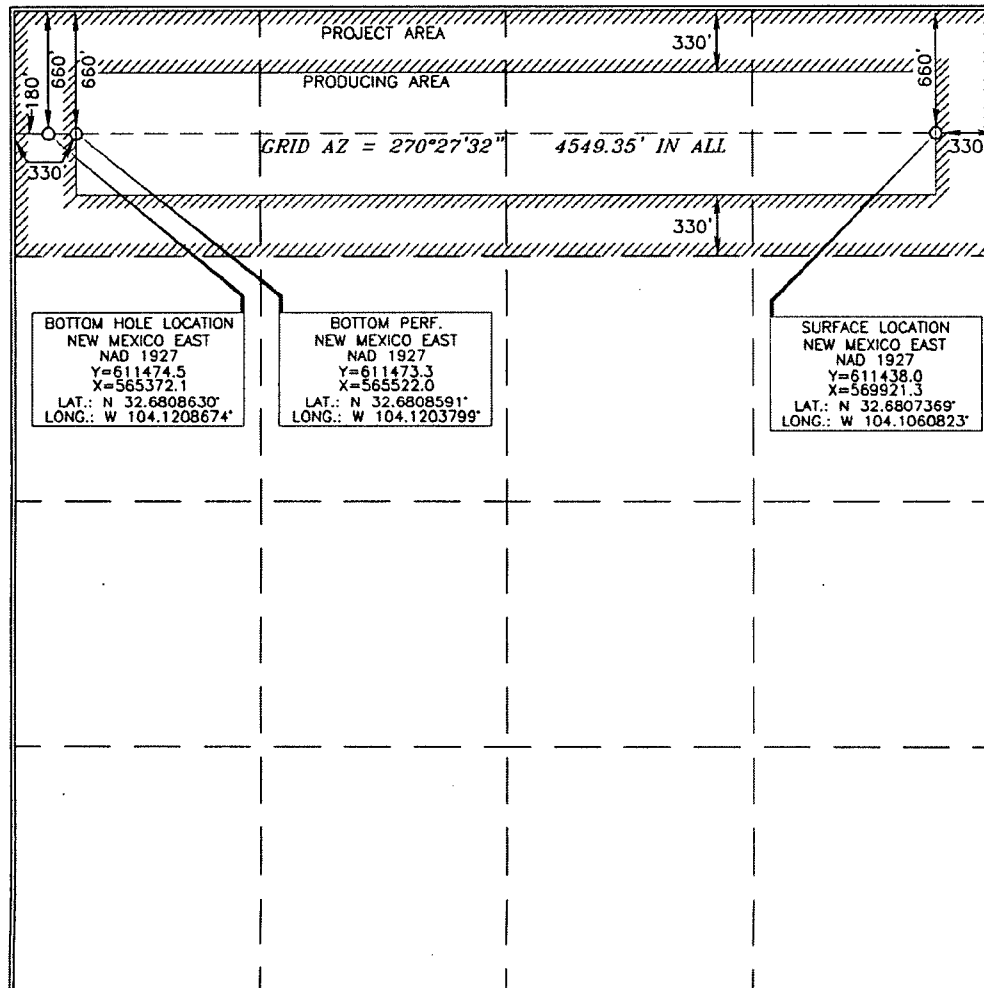
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	19 SOUTH	29 EAST, N.M.P.M.		660'	NORTH	330'	EAST	EDDY

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
D	7	19 SOUTH	29 EAST, N.M.P.M.		660'	NORTH	180'	WEST	EDDY

Dedicated Acres 152.88	Joint or Infill N	Consolidation Code	Order No.
----------------------------------	-----------------------------	--------------------	-----------

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



OPERATOR CERTIFICATION

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

Signature: *Jennifer Duarte* Date: **6/2/14**

Printed Name: **Jennifer Duarte**

E-mail Address: **jennifer.duarte@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from reliable data and that the same is true and correct to the best of my belief.

Date of Survey: **DECEMBER 13, 2013**

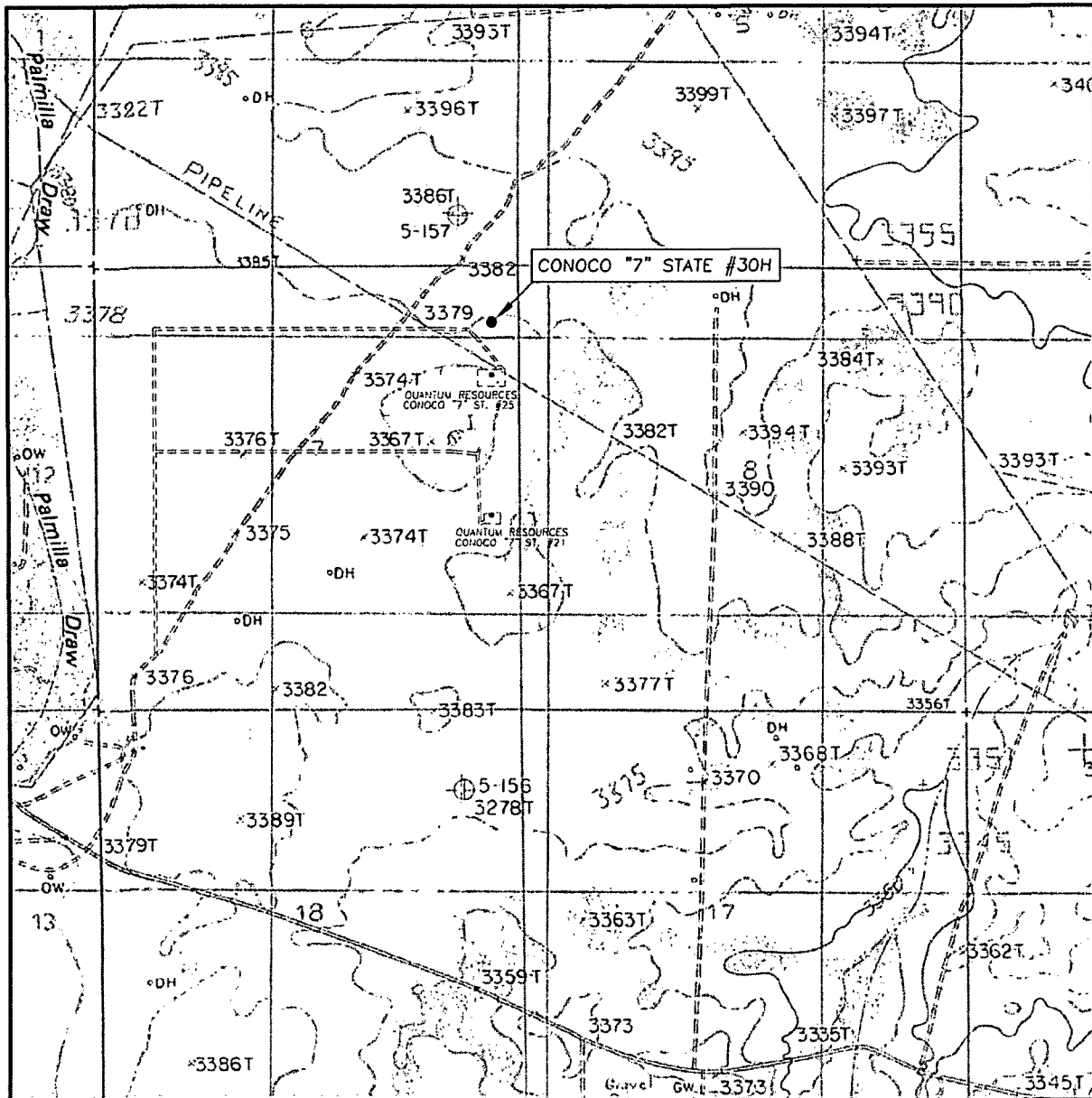
Signature and Seal: *Jerry Paul*

Professional Surveyor: **15079**

Certificate Number: **15079**

WO# 111122WL-g (Rev. B) (KA)

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 660' FNL & 330' FEL

ELEVATION 3381.9'

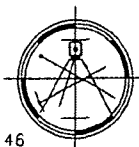
OPERATOR OXY USA INC.

LEASE CONOCO "7" STATE #30H

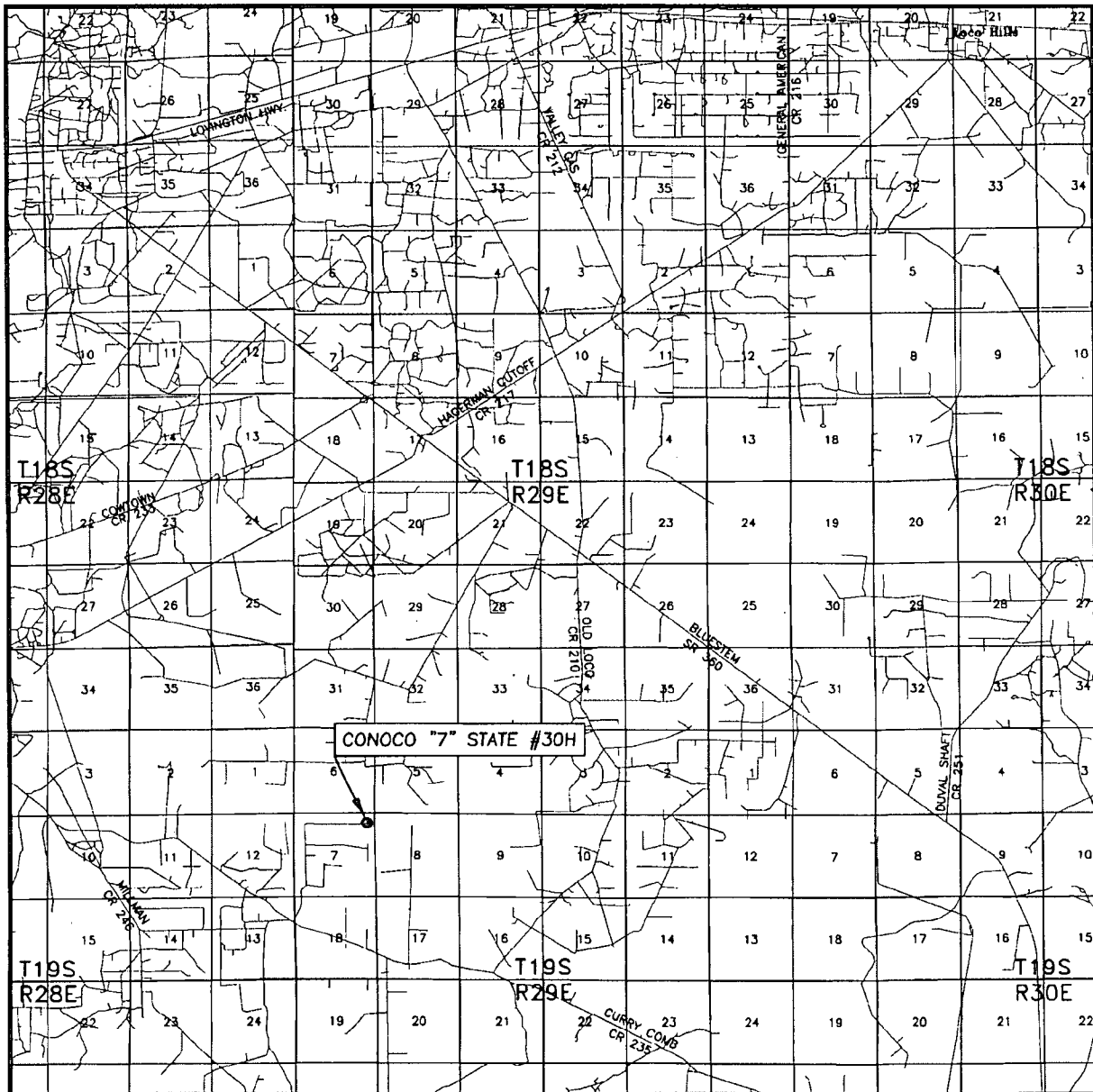
U.S.G.S. TOPOGRAPHIC MAP
ILLINOIS CAMP NE, N.M.

Asel Surveying

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



VICINITY MAP

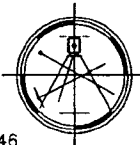


SEC. 7 TWP. 19-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 660' FNL & 330' FEL
 ELEVATION 3381.9'
 OPERATOR OXY USA INC.
 LEASE CONOCO "7" STATE #30H

SCALE: 1" = 2 MILES

Asel Surveying

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

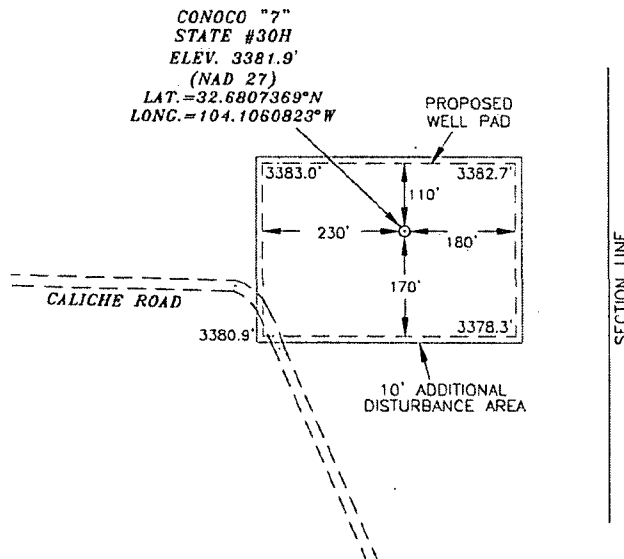


DIRECTIONS FROM THE INTERSECTION OF U.S. HWY. #82 AND COUNTY ROAD #360 (BLUESTEM ROAD), GO SOUTHEAST ON COUNTY ROAD #360 FOR 7.9 MILES, TURN RIGHT ON COUNTY ROAD #210 (OLD LOCO ROAD) AND GO SOUTH FOR 5.7 MILES, TURN RIGHT ON COUNTY ROAD #235 (CURRY COMB ROAD) AND GO WEST FOR 2.5 MILES, TURN RIGHT ON HORSESHOE ROAD AND GO NORTH FOR 1.2 MILES, TURN RIGHT AND GO EAST FOR 0.7 MILES TO LOCATION.

OXY USA INC.

CONOCO "7" STATE #30H

SITE PLAN



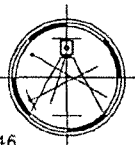
SURVEYORS CERTIFICATE

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

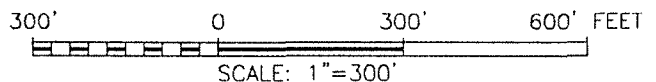
Asel Surveying

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



LEGEND

----- DENOTES PROPOSED WELL PAD

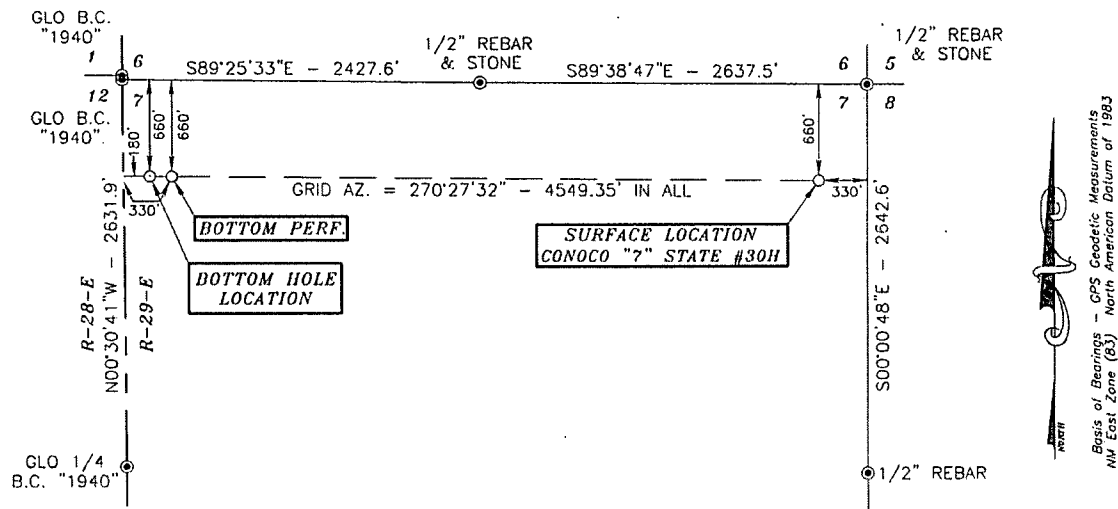


OXY USA INC.

CONOCO "7" STATE #30H WELL PAD LOCATED
AT 660' FNL & 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-g (Rev. A)	Drawn By: KA Rev: A
Date: 01/07/14	111122WL-g Scale: 1"=300'

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 1.2 MILES, TURN RIGHT AND GO
EAST FOR 0.7 MILES TO LOCATION.

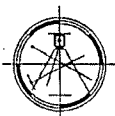


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I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR
NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND
BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR
SURVEYING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

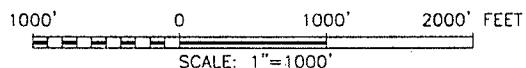
Asel Surveying



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

LEGEND

● - DENOTES FOUND MONUMENT AS NOTED



OXY USA INC.

CONOCO "7" STATE #30H LOCATED AT
660' FNL & 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-g (Rev. B)	Drawn By: KA Rev: B
Date: 05/16/14	111122WL-g Scale: 1"=1000'

OXY USA INC

APD Data

OPERATOR NAME / NUMBER: OXY USA INC

LEASE NAME / NUMBER: CONOCO 7 STATE 30H

STATE: NM

COUNTY: EDDY

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

APPROX GR ELEV: 3381.9'

EST KB ELEV: 3405.9' (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	230	--
Top Salado (Salt)	300	--
Top Tansil	850	--
Top Seven Rivers	1270	--
Top Queen	1790	--
Top Delaware	2890	--
Top 1 st Bone Spring	3940	Oil/Gas
Top 2 nd Bone Spring	6790	Oil/Gas
Top 3 rd Bone Spring	7820	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": 8156' MD / 7730' TVD

GREATEST PROJECTED TD "LATERAL TOE": 11973' MD / 7640' 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	3000	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	11973	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 to 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' – 2500'	600	2500	Halliburton Light Premium Plus Cement 5% Salt, 0.1% HR-800	9.84	12.9	1.85	846
Tail: 2500' – 3000'	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: 2000' – 7024' (100% Excess)	440	5024	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: 7024' – 11973' (40% Excess)	730	4949	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:

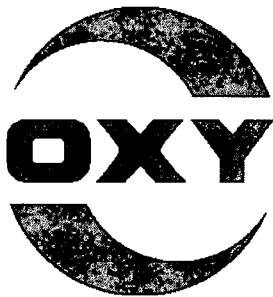
<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Mobile Phone</u>
Kacie Cruz	Drilling Engineer	(713) 350-4889	(281) 433-6594
Sebastian Millan	Drilling Engineer Supervisor	(713) 350-4950	(832) 528-3268
Roger Allen	Drilling Superintendent	(713) 215-7617	(281) 682-3919
Oscar Quintero	Drilling Manager	(713)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



Weatherford[®]

Drilling Services

Proposal



OCCIDENTAL PERMIAN LTD.

CONOCO 7 STATE #30H

EDDY COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

MAY 15, 2014

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

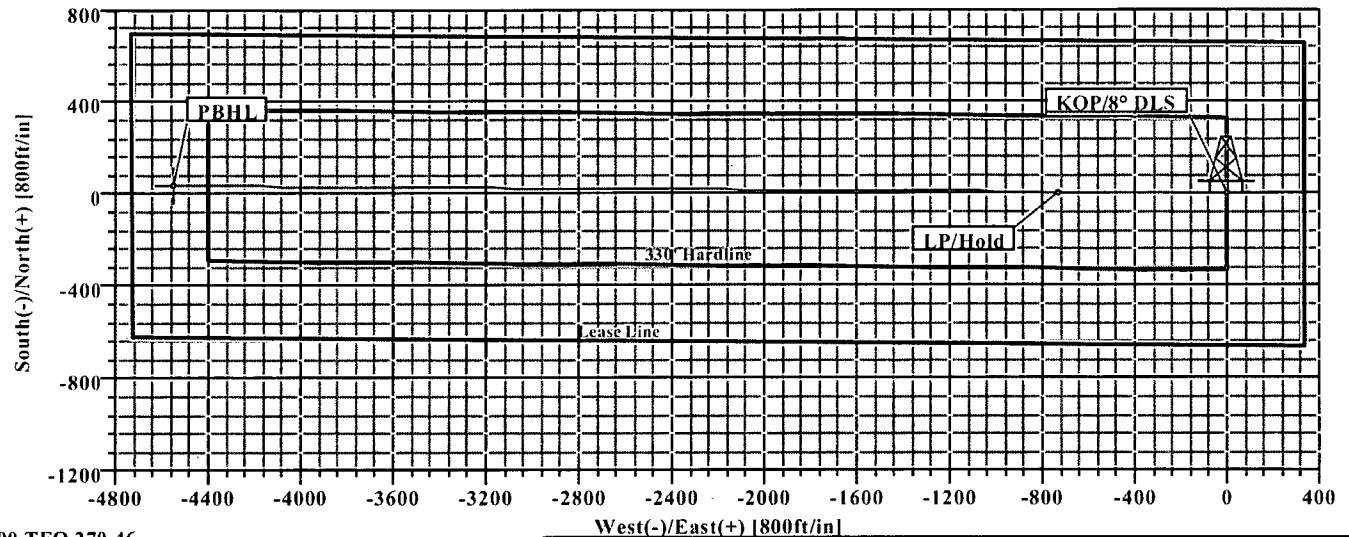
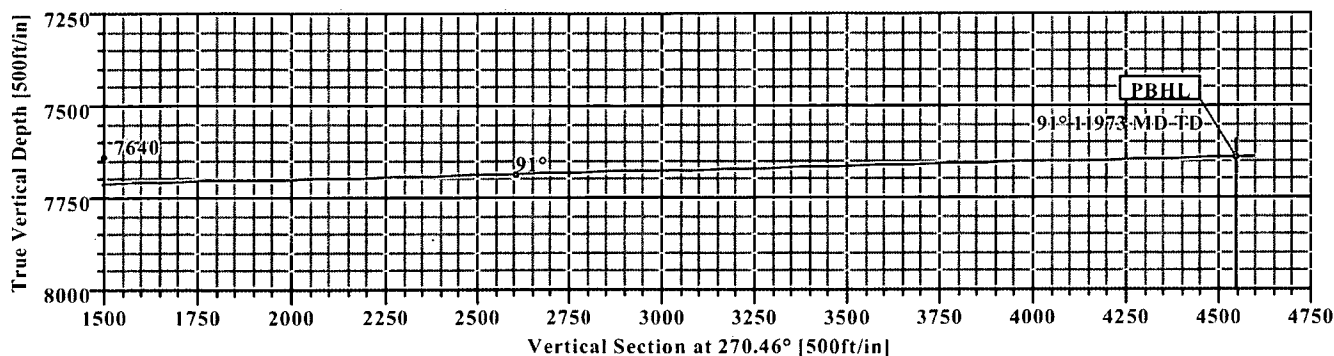
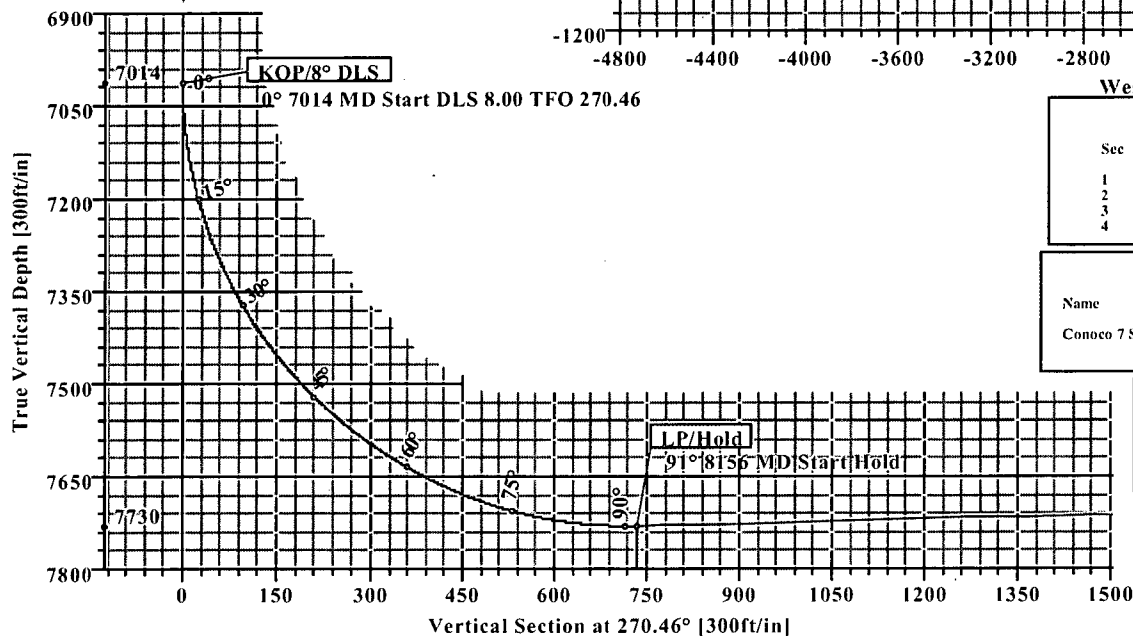
www.weatherford.com



Conoco 7 State #30H
Eddy Co, NM



KB ELEV: 3405.90
GL ELEV: 3381.90



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	7014.00	0.00	0.00	7014.00	0.00	0.00	0.00	0.00	0.00	
3	8155.89	91.35	270.46	7730.00	5.88	-733.06	8.00	270.46	733.08	
4	11973.26	91.35	270.46	7640.00	36.50	-4549.25	0.00	0.00	4549.40	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Conoco 7 State #30H	0.00	0.00	611438.00	569921.30	32°40'50.653N	104°06'21.896W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7640.00	36.50	-4549.25	611474.50	565372.05	Point

LEGEND	
	Boo 9 State #2H (Pilot)
	Exist Conoco 7 State #10 (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: 09:41:00 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Conoco 7 State #30H, Grid North
 Site: Conoco 7 State #30H Vertical (TVD) Reference: SITE 3405.9
 Well: Conoco 7 State #30H Section (VS) Reference: Well (0.00N,0.00E,270.46Azi)
 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 #30H

Site Position: Northing: 611438.00 ft Latitude: 32 40 50.653 N
 From: Map Easting: 569921.30 ft Longitude: 104 6 21.896 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3381.90 ft Grid Convergence: 0.12 deg

Well: Conoco 7 State #30H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 611438.00 ft Latitude: 32 40 50.653 N
 +E/-W 0.00 ft Easting: 569921.30 ft Longitude: 104 6 21.896 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 3405.90 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 4/4/2014 Above System Datum: Mean Sea Level
 Field Strength: 48577 nT Declination: 7.52 deg
 Vertical Section: Depth From (TVD) +N/-S +E/-W Mag Dip Angle: 60.45 deg
 ft ft ft Direction deg
 0.00 0.00 0.00 270.46

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	
7014.00	0.00	0.00	7014.00	0.00	0.00	0.00	0.00	0.00	0.00	
8155.89	91.35	270.46	7730.00	5.88	-733.06	8.00	8.00	-7.84	270.46	
11973.26	91.35	270.46	7640.00	36.50	-4549.25	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	611438.00	569921.30	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Conoco 7, State #30H
Well: Conoco 7 State #30H
Wellpath: 1

Date: 4/28/2014 Time: 09:41:00 Page: 2
Co-ordinate(NE) Reference: Well: Conoco 7 State #30H Grid North
Vertical (TVD) Reference: SITE 3405.9
Section (VS) Reference: Well (0.00N 0.00E 270.46Azi)
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	611438.00	569921.30	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	611438.00	569921.30	
7014.00	0.00	0.00	7014.00	0.00	0.00	0.00	0.00	611438.00	569921.30	KOP/8° DLS
7100.00	6.88	270.46	7099.79	0.04	-5.16	5.16	8.00	611438.04	569916.14	
7200.00	14.88	270.46	7197.92	0.19	-24.02	24.02	8.00	611438.19	569897.28	
7300.00	22.88	270.46	7292.46	0.45	-56.35	56.35	8.00	611438.45	569864.95	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/28/2014	Time: 09:41:00	Page: 3
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #30H	Grid North
Site: Conoco 7 State #30H	Vertical (TVD) Reference:	SITE 3405.9	
Well: Conoco 7 State #30H	Section (VS) Reference:	Well (0.00N,0.00E,270.46Azi)	
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
7400.00	30.88	270.46	7381.58	0.81	-101.52	101.53	8.00	611438.81	569819.78	
7500.00	38.88	270.46	7463.55	1.27	-158.66	158.66	8.00	611439.27	569762.64	
7600.00	46.88	270.46	7536.77	1.82	-226.65	226.66	8.00	611439.82	569694.65	
7700.00	54.88	270.46	7599.81	2.44	-304.17	304.18	8.00	611440.44	569617.13	
7800.00	62.88	270.46	7651.45	3.13	-389.70	389.71	8.00	611441.13	569531.60	
7900.00	70.88	270.46	7690.69	3.86	-481.59	481.61	8.00	611441.86	569439.71	
8000.00	78.88	270.46	7716.75	4.64	-578.05	578.07	8.00	611442.64	569343.25	
8100.00	86.88	270.46	7729.14	5.43	-677.19	677.22	8.00	611443.43	569244.11	
8155.89	91.35	270.46	7730.00	5.88	-733.06	733.08	8.00	611443.88	569188.24	LP/Hold
8200.00	91.35	270.46	7728.96	6.24	-777.16	777.18	0.00	611444.24	569144.14	
8300.00	91.35	270.46	7726.60	7.04	-877.13	877.16	0.00	611445.04	569044.17	
8400.00	91.35	270.46	7724.24	7.84	-977.10	977.13	0.00	611445.84	568944.20	
8500.00	91.35	270.46	7721.89	8.64	-1077.07	1077.10	0.00	611446.64	568844.23	
8600.00	91.35	270.46	7719.53	9.44	-1177.03	1177.07	0.00	611447.44	568744.27	
8700.00	91.35	270.46	7717.17	10.25	-1277.00	1277.04	0.00	611448.25	568644.30	
8800.00	91.35	270.46	7714.81	11.05	-1376.97	1377.02	0.00	611449.05	568544.33	
8900.00	91.35	270.46	7712.46	11.85	-1476.94	1476.99	0.00	611449.85	568444.36	
9000.00	91.35	270.46	7710.10	12.65	-1576.91	1576.96	0.00	611450.65	568344.39	
9100.00	91.35	270.46	7707.74	13.45	-1676.88	1676.93	0.00	611451.45	568244.42	
9200.00	91.35	270.46	7705.38	14.26	-1776.85	1776.91	0.00	611452.26	568144.45	
9300.00	91.35	270.46	7703.02	15.06	-1876.82	1876.88	0.00	611453.06	568044.48	
9400.00	91.35	270.46	7700.67	15.86	-1976.79	1976.85	0.00	611453.86	567944.51	
9500.00	91.35	270.46	7698.31	16.66	-2076.76	2076.82	0.00	611454.66	567844.54	
9600.00	91.35	270.46	7695.95	17.46	-2176.72	2176.79	0.00	611455.46	567744.58	
9700.00	91.35	270.46	7693.59	18.27	-2276.69	2276.77	0.00	611456.27	567644.61	
9800.00	91.35	270.46	7691.24	19.07	-2376.66	2376.74	0.00	611457.07	567544.64	
9900.00	91.35	270.46	7688.88	19.87	-2476.63	2476.71	0.00	611457.87	567444.67	
10000.00	91.35	270.46	7686.52	20.67	-2576.60	2576.68	0.00	611458.67	567344.70	
10100.00	91.35	270.46	7684.16	21.47	-2676.57	2676.66	0.00	611459.47	567244.73	
10200.00	91.35	270.46	7681.81	22.28	-2776.54	2776.63	0.00	611460.28	567144.76	
10300.00	91.35	270.46	7679.45	23.08	-2876.51	2876.60	0.00	611461.08	567044.79	
10400.00	91.35	270.46	7677.09	23.88	-2976.48	2976.57	0.00	611461.88	566944.82	
10500.00	91.35	270.46	7674.73	24.68	-3076.45	3076.54	0.00	611462.68	566844.85	
10600.00	91.35	270.46	7672.38	25.49	-3176.41	3176.52	0.00	611463.49	566744.89	
10700.00	91.35	270.46	7670.02	26.29	-3276.38	3276.49	0.00	611464.29	566644.92	
10800.00	91.35	270.46	7667.66	27.09	-3376.35	3376.46	0.00	611465.09	566544.95	
10900.00	91.35	270.46	7665.30	27.89	-3476.32	3476.43	0.00	611465.89	566444.98	
11000.00	91.35	270.46	7662.95	28.69	-3576.29	3576.41	0.00	611466.69	566345.01	
11100.00	91.35	270.46	7660.59	29.50	-3676.26	3676.38	0.00	611467.50	566245.04	
11200.00	91.35	270.46	7658.23	30.30	-3776.23	3776.35	0.00	611468.30	566145.07	
11300.00	91.35	270.46	7655.87	31.10	-3876.20	3876.32	0.00	611469.10	566045.10	
11400.00	91.35	270.46	7653.52	31.90	-3976.17	3976.29	0.00	611469.90	565945.13	
11500.00	91.35	270.46	7651.16	32.70	-4076.13	4076.27	0.00	611470.70	565845.17	
11600.00	91.35	270.46	7648.80	33.51	-4176.10	4176.24	0.00	611471.51	565745.20	
11700.00	91.35	270.46	7646.44	34.31	-4276.07	4276.21	0.00	611472.31	565645.23	
11800.00	91.35	270.46	7644.08	35.11	-4376.04	4376.18	0.00	611473.11	565545.26	
11900.00	91.35	270.46	7641.73	35.91	-4476.01	4476.15	0.00	611473.91	565445.29	
11973.26	91.35	270.46	7640.00	36.50	-4549.25	4549.40	0.00	611474.50	565372.05	PBHL



Weatherford International Ltd.

WFT Plan Report X and Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	4/28/2014	Time:	09:41:00	Page:	4
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #30H, Grid North				
Site:	Conoco 7 State #30H	Vertical (TVD) Reference:	SITE 3405.9				
Well:	Conoco 7 State #30H	Section (VS) Reference:	Well (0.00N,0.00E,270.46Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

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			7640.00	36.50	-4549.25	611474.50	565372.05	32 40 51.107 N	104 7 15.123 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
7014.00	7014.00	KOP/8° DLS
8155.89	7730.00	LP/Hold
11973.26	7640.00	PBHL



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 4/4/2014 Time: 14:25:09 Page: 1
 Field: Eddy Co, NM (Nad 27)
 Reference Site: Conoco 7 State #30H Co-ordinate(NE) Reference: Well: Conoco 7 State #30H, Grid North
 Reference Well: Conoco 7 State #30H Vertical (TVD) Reference: SITE 3405.9
 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 11973.26 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
 Version: 1
 Principal: Yes Tied-to: User Defined

Summary

Site	Offset Wellpath	Reference MD	Offset MD	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
Exist Conoco 7 State	Exist Conoco 7 State 1 VO	10300.00	7674.55	1391.85	1079.61	4.46	
Exist Government AL	Exist Government AL 1 VO						Out of range

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

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	TFO-HS	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
0.00	0.00	4.90	-4.90	0.00	0.07	243.53	-1361.55	-2734.93	3055.10	3055.03	43084.90	
100.00	100.00	95.10	95.10	0.09	1.38	243.53	-1361.55	-2734.93	3055.10	3053.64	2090.21	
200.00	200.00	195.10	195.10	0.31	2.82	243.53	-1361.55	-2734.93	3055.10	3051.97	974.98	
300.00	300.00	295.10	295.10	0.53	4.27	243.53	-1361.55	-2734.93	3055.10	3050.30	635.77	
400.00	400.00	395.10	395.10	0.76	5.72	243.53	-1361.55	-2734.93	3055.10	3048.63	471.66	
500.00	500.00	495.10	495.10	0.98	7.16	243.53	-1361.55	-2734.93	3055.10	3046.95	374.90	
600.00	600.00	595.10	595.10	1.21	9.95	243.53	-1361.55	-2734.93	3055.10	3043.95	273.80	
700.00	700.00	695.10	695.10	1.43	12.99	243.53	-1361.55	-2734.93	3055.10	3040.68	211.87	
800.00	800.00	795.10	795.10	1.66	16.02	243.53	-1361.55	-2734.93	3055.10	3037.42	172.79	
900.00	900.00	895.10	895.10	1.88	19.06	243.53	-1361.55	-2734.93	3055.10	3034.16	145.88	
1000.00	1000.00	995.10	995.10	2.11	22.10	243.53	-1361.55	-2734.93	3055.10	3030.90	126.22	
1100.00	1100.00	1095.10	1095.10	2.33	25.13	243.53	-1361.55	-2734.93	3055.10	3027.64	111.23	
1200.00	1200.00	1195.10	1195.10	2.56	28.17	243.53	-1361.55	-2734.93	3055.10	3024.38	99.42	
1300.00	1300.00	1295.10	1295.10	2.78	31.21	243.53	-1361.55	-2734.93	3055.10	3021.11	89.88	
1400.00	1400.00	1395.10	1395.10	3.01	34.24	243.53	-1361.55	-2734.93	3055.10	3017.85	82.01	
1500.00	1500.00	1495.10	1495.10	3.23	37.28	243.53	-1361.55	-2734.93	3055.10	3014.59	75.41	
1600.00	1600.00	1595.10	1595.10	3.46	40.32	243.53	-1361.55	-2734.93	3055.10	3011.33	69.79	
1700.00	1700.00	1695.10	1695.10	3.68	43.35	243.53	-1361.55	-2734.93	3055.10	3008.07	64.95	
1800.00	1800.00	1795.10	1795.10	3.91	46.39	243.53	-1361.55	-2734.93	3055.10	3004.81	60.74	
1900.00	1900.00	1895.10	1895.10	4.13	49.43	243.53	-1361.55	-2734.93	3055.10	3001.54	57.04	
2000.00	2000.00	1995.10	1995.10	4.36	52.47	243.53	-1361.55	-2734.93	3055.10	2998.28	53.77	
2100.00	2100.00	2095.10	2095.10	4.58	55.50	243.53	-1361.55	-2734.93	3055.10	2995.02	50.85	
2200.00	2200.00	2195.10	2195.10	4.81	58.54	243.53	-1361.55	-2734.93	3055.10	2991.76	48.23	
2300.00	2300.00	2295.10	2295.10	5.03	61.58	243.53	-1361.55	-2734.93	3055.10	2988.50	45.87	
2400.00	2400.00	2395.10	2395.10	5.26	64.61	243.53	-1361.55	-2734.93	3055.10	2985.24	43.73	
2500.00	2500.00	2495.10	2495.10	5.48	67.65	243.53	-1361.55	-2734.93	3055.10	2981.97	41.78	
2600.00	2600.00	2595.10	2595.10	5.70	70.69	243.53	-1361.55	-2734.93	3055.10	2978.71	39.99	
2700.00	2700.00	2695.10	2695.10	5.93	73.72	243.53	-1361.55	-2734.93	3055.10	2975.45	38.36	
2800.00	2800.00	2795.10	2795.10	6.15	76.76	243.53	-1361.55	-2734.93	3055.10	2972.19	36.85	
2900.00	2900.00	2895.10	2895.10	6.38	79.80	243.53	-1361.55	-2734.93	3055.10	2968.93	35.45	
3000.00	3000.00	2995.10	2995.10	6.60	82.83	243.53	-1361.55	-2734.93	3055.10	2965.67	34.16	
3100.00	3100.00	3095.10	3095.10	6.83	85.87	243.53	-1361.55	-2734.93	3055.10	2962.40	32.96	
3200.00	3200.00	3195.10	3195.10	7.05	88.91	243.53	-1361.55	-2734.93	3055.10	2959.14	31.84	
3300.00	3300.00	3295.10	3295.10	7.28	91.94	243.53	-1361.55	-2734.93	3055.10	2955.88	30.79	
3400.00	3400.00	3395.10	3395.10	7.50	94.98	243.53	-1361.55	-2734.93	3055.10	2952.62	29.81	
3500.00	3500.00	3495.10	3495.10	7.73	98.02	243.53	-1361.55	-2734.93	3055.10	2949.36	28.89	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	4/4/2014	Time:	14:25:09	Page:	2
Field:	Eddy Co. NM (Nad 27)						
Reference Site:	Conoco 7 State #30H	Co-ordinate(NE) Reference:	Well: Conoco 7 State #30H, Grid North				
Reference Well:	Conoco 7 State #30H	Vertical (TVD) Reference:	SITE 3405.9				
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	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	TFO-HS deg	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
3600.00	3600.00	3595.10	3595.10	7.95	101.05	243.53	-1361.55	-2734.93	3055.10	2946.10	28.03	
3700.00	3700.00	3695.10	3695.10	8.18	104.09	243.53	-1361.55	-2734.93	3055.10	2942.83	27.21	
3800.00	3800.00	3795.10	3795.10	8.40	107.13	243.53	-1361.55	-2734.93	3055.10	2939.57	26.44	
3900.00	3900.00	3895.10	3895.10	8.63	110.17	243.53	-1361.55	-2734.93	3055.10	2936.31	25.72	
4000.00	4000.00	3995.10	3995.10	8.85	113.20	243.53	-1361.55	-2734.93	3055.10	2933.05	25.03	
4100.00	4100.00	4095.10	4095.10	9.08	116.24	243.53	-1361.55	-2734.93	3055.10	2929.79	24.38	
4200.00	4200.00	4195.10	4195.10	9.30	119.28	243.53	-1361.55	-2734.93	3055.10	2926.53	23.76	
4300.00	4300.00	4295.10	4295.10	9.53	122.31	243.53	-1361.55	-2734.93	3055.10	2923.26	23.17	
4400.00	4400.00	4395.10	4395.10	9.75	125.35	243.53	-1361.55	-2734.93	3055.10	2920.00	22.61	
4500.00	4500.00	4495.10	4495.10	9.98	128.39	243.53	-1361.55	-2734.93	3055.10	2916.74	22.08	
4600.00	4600.00	4595.10	4595.10	10.20	131.42	243.53	-1361.55	-2734.93	3055.10	2913.48	21.57	
4700.00	4700.00	4695.10	4695.10	10.42	134.46	243.53	-1361.55	-2734.93	3055.10	2910.22	21.09	
4800.00	4800.00	4795.10	4795.10	10.65	137.50	243.53	-1361.55	-2734.93	3055.10	2906.96	20.62	
4900.00	4900.00	4895.10	4895.10	10.87	140.53	243.53	-1361.55	-2734.93	3055.10	2903.69	20.18	
5000.00	5000.00	4995.10	4995.10	11.10	143.57	243.53	-1361.55	-2734.93	3055.10	2900.43	19.75	
5100.00	5100.00	5095.10	5095.10	11.32	146.61	243.53	-1361.55	-2734.93	3055.10	2897.17	19.34	
5200.00	5200.00	5195.10	5195.10	11.55	149.64	243.53	-1361.55	-2734.93	3055.10	2893.91	18.95	
5300.00	5300.00	5295.10	5295.10	11.77	152.68	243.53	-1361.55	-2734.93	3055.10	2890.65	18.58	
5400.00	5400.00	5395.10	5395.10	12.00	155.72	243.53	-1361.55	-2734.93	3055.10	2887.39	18.22	
5500.00	5500.00	5495.10	5495.10	12.22	158.76	243.53	-1361.55	-2734.93	3055.10	2884.12	17.87	
5600.00	5600.00	5595.10	5595.10	12.45	161.79	243.53	-1361.55	-2734.93	3055.10	2880.86	17.53	
5700.00	5700.00	5695.10	5695.10	12.67	164.83	243.53	-1361.55	-2734.93	3055.10	2877.60	17.21	
5800.00	5800.00	5795.10	5795.10	12.90	167.87	243.53	-1361.55	-2734.93	3055.10	2874.34	16.90	
5900.00	5900.00	5895.10	5895.10	13.12	170.90	243.53	-1361.55	-2734.93	3055.10	2871.08	16.60	
6000.00	6000.00	5995.10	5995.10	13.35	173.94	243.53	-1361.55	-2734.93	3055.10	2867.82	16.31	
6100.00	6100.00	6095.10	6095.10	13.57	176.98	243.53	-1361.55	-2734.93	3055.10	2864.56	16.03	
6200.00	6200.00	6195.10	6195.10	13.80	180.01	243.53	-1361.55	-2734.93	3055.10	2861.29	15.76	
6300.00	6300.00	6295.10	6295.10	14.02	183.05	243.53	-1361.55	-2734.93	3055.10	2858.03	15.50	
6400.00	6400.00	6395.10	6395.10	14.25	186.09	243.53	-1361.55	-2734.93	3055.10	2854.77	15.25	
6500.00	6500.00	6495.10	6495.10	14.47	189.12	243.53	-1361.55	-2734.93	3055.10	2851.51	15.01	
6600.00	6600.00	6595.10	6595.10	14.70	192.16	243.53	-1361.55	-2734.93	3055.10	2848.25	14.77	
6700.00	6700.00	6695.10	6695.10	14.92	195.20	243.53	-1361.55	-2734.93	3055.10	2844.99	14.54	
6800.00	6800.00	6795.10	6795.10	15.14	198.23	243.53	-1361.55	-2734.93	3055.10	2841.72	14.32	
6900.00	6900.00	6895.10	6895.10	15.37	201.27	243.53	-1361.55	-2734.93	3055.10	2838.46	14.10	
7000.00	7000.00	6995.10	6995.10	15.59	204.31	243.53	-1361.55	-2734.93	3055.10	2835.20	13.89	
7100.00	7099.79	7094.89	7094.89	15.80	207.34	332.86	-1361.55	-2734.93	3050.51	2827.44	13.68	
7200.00	7197.92	7193.02	7193.02	16.01	210.32	332.07	-1361.55	-2734.93	3033.71	2807.73	13.42	
7300.00	7292.46	7287.56	7287.56	16.24	213.19	330.62	-1361.55	-2734.93	3004.97	2776.34	13.14	
7400.00	7381.58	7376.68	7376.68	16.52	215.90	328.42	-1361.55	-2734.93	2964.94	2733.89	12.83	
7500.00	7463.55	7458.65	7458.65	16.88	218.39	325.29	-1361.55	-2734.93	2914.52	2681.19	12.49	
7600.00	7536.77	7531.87	7531.87	17.38	220.61	320.98	-1361.55	-2734.93	2854.86	2619.22	12.12	
7700.00	7599.81	7594.91	7594.91	18.06	222.52	315.18	-1361.55	-2734.93	2787.31	2549.06	11.70	
7800.00	7651.45	7646.55	7646.55	18.97	224.09	307.57	-1361.55	-2734.93	2713.38	2472.00	11.24	
7900.00	7690.69	7685.79	7685.79	20.11	225.28	297.96	-1361.55	-2734.93	2634.74	2389.69	10.75	
8000.00	7716.75	7711.85	7711.85	21.48	226.08	286.65	-1361.55	-2734.93	2553.15	2304.34	10.26	
8100.00	7729.14	7724.24	7724.24	23.04	226.45	274.60	-1361.55	-2734.93	2470.41	2218.45	9.81	
8200.00	7728.96	7724.06	7724.06	24.73	226.45	268.10	-1361.55	-2734.93	2388.24	2134.07	9.40	
8300.00	7726.60	7721.70	7721.70	26.56	226.37	268.20	-1361.55	-2734.93	2307.48	2051.08	9.00	
8400.00	7724.24	7719.34	7719.34	28.48	226.30	268.29	-1361.55	-2734.93	2228.27	1969.52	8.61	
8500.00	7721.89	7716.99	7716.99	30.49	226.23	268.39	-1361.55	-2734.93	2150.80	1889.58	8.23	
8600.00	7719.53	7714.63	7714.63	32.57	226.16	268.49	-1361.55	-2734.93	2075.25	1811.47	7.87	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 4/4/2014 Time: 14:25:09 Page: 3
 Field: Eddy Co. NM (Nad 27)
 Reference Site: Conoco 7 State #30H Co-ordinate(NE) Reference: Well: Conoco 7 State #30H, Grid North
 Reference Well: Conoco 7 State #30H Vertical (TVD) Reference: SITE 3405.9
 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		Offset		Semi-Major Axis		Offset Location			Ctr-Ctr	Edge	Separation	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft	Distance ft	Distance ft	Factor	
8700.00	7717.17	7712.27	7712.27	34.71	226.09	268.59	-1361.55	-2734.93	2001.84	1735.42	7.51	
8800.00	7714.81	7709.91	7709.91	36.89	226.02	268.69	-1361.55	-2734.93	1930.82	1661.69	7.17	
8900.00	7712.46	7707.56	7707.56	39.11	225.95	268.78	-1361.55	-2734.93	1862.46	1590.55	6.85	
9000.00	7710.10	7705.20	7705.20	41.36	225.87	268.88	-1361.55	-2734.93	1797.06	1522.32	6.54	
9100.00	7707.74	7702.84	7702.84	43.64	225.80	268.98	-1361.55	-2734.93	1734.97	1457.34	6.25	
9200.00	7705.38	7700.48	7700.48	45.95	225.73	269.08	-1361.55	-2734.93	1676.53	1395.99	5.98	
9300.00	7703.02	7698.12	7698.12	48.27	225.66	269.17	-1361.55	-2734.93	1622.16	1338.66	5.72	
9400.00	7700.67	7695.77	7695.77	50.61	225.59	269.27	-1361.55	-2734.93	1572.27	1285.79	5.49	
9500.00	7698.31	7693.41	7693.41	52.97	225.52	269.37	-1361.55	-2734.93	1527.31	1237.82	5.28	
9600.00	7695.95	7691.05	7691.05	55.34	225.44	269.47	-1361.55	-2734.93	1487.71	1195.23	5.09	
9700.00	7693.59	7688.69	7688.69	57.72	225.37	269.56	-1361.55	-2734.93	1453.92	1158.46	4.92	
9800.00	7691.24	7686.34	7686.34	60.11	225.30	269.66	-1361.55	-2734.93	1426.35	1127.94	4.78	
9900.00	7688.88	7683.98	7683.98	62.51	225.23	269.76	-1361.55	-2734.93	1405.36	1104.05	4.66	
10000.00	7686.52	7681.62	7681.62	64.92	225.16	269.86	-1361.55	-2734.93	1391.26	1087.10	4.57	
10100.00	7684.16	7679.26	7679.26	67.34	225.09	269.95	-1361.55	-2734.93	1384.26	1077.32	4.51	
10200.00	7681.81	7676.91	7676.91	69.76	225.01	270.05	-1361.55	-2734.93	1384.45	1074.82	4.47	
10300.00	7679.45	7674.55	7674.55	72.19	224.94	270.15	-1361.55	-2734.93	1391.85	1079.61	4.46	
10400.00	7677.09	7672.19	7672.19	74.62	224.87	270.25	-1361.55	-2734.93	1406.33	1091.57	4.47	
10500.00	7674.73	7669.83	7669.83	77.06	224.80	270.34	-1361.55	-2734.93	1427.68	1110.49	4.50	
10600.00	7672.38	7667.48	7667.48	79.50	224.73	270.44	-1361.55	-2734.93	1455.60	1136.06	4.56	
10700.00	7670.02	7665.12	7665.12	81.94	224.66	270.54	-1361.55	-2734.93	1489.72	1167.90	4.63	
10800.00	7667.66	7662.76	7662.76	84.39	224.58	270.64	-1361.55	-2734.93	1529.62	1205.59	4.72	
10900.00	7665.30	7660.40	7660.40	86.84	224.51	270.73	-1361.55	-2734.93	1574.87	1248.67	4.83	
11000.00	7662.95	7658.05	7658.05	89.30	224.44	270.83	-1361.55	-2734.93	1625.01	1296.70	4.95	
11100.00	7660.59	7655.69	7655.69	91.76	224.37	270.93	-1361.55	-2734.93	1679.62	1349.21	5.08	
11200.00	7658.23	7653.33	7653.33	94.22	224.30	271.03	-1361.55	-2734.93	1738.26	1405.79	5.23	
11300.00	7655.87	7650.97	7650.97	96.68	224.23	271.13	-1361.55	-2734.93	1800.55	1466.03	5.38	
11400.00	7653.52	7648.62	7648.62	99.15	224.16	271.22	-1361.55	-2734.93	1866.11	1529.55	5.54	
11500.00	7651.16	7646.26	7646.26	101.61	224.08	271.32	-1361.55	-2734.93	1934.63	1596.03	5.71	
11600.00	7648.80	7643.90	7643.90	104.08	224.01	271.42	-1361.55	-2734.93	2005.78	1665.15	5.89	
11700.00	7646.44	7641.54	7641.54	106.55	223.94	271.52	-1361.55	-2734.93	2079.31	1736.64	6.07	
11800.00	7644.08	7639.18	7639.18	109.02	223.87	271.61	-1361.55	-2734.93	2154.97	1810.26	6.25	
11900.00	7641.73	7636.83	7636.83	111.50	223.80	271.71	-1361.55	-2734.93	2232.55	1885.79	6.44	
11973.26	7640.00	7635.10	7635.10	113.31	223.74	271.78	-1361.55	-2734.93	2290.48	1942.22	6.58	

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

GeoDec v5.03

Report Date: May 15, 2014
Job Number: _____
Customer: Occidental Permian Ltd.
Well Name: Conoco 7 State #30H
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 611438.000 USFT	Latitude 32.6807368 DEG
East/West 569921.300 USFT	Longitude -104.1060822 DEG
Grid Convergence: .12°	
Total Correction: +7.52°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.68074° N	32° 40 min 50.653 sec
Longitude =	104.10608° W	104° 6 min 21.896 sec

Magnetic Declination =	7.64°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6593
Local Field Strength =	48538 nT	Magnetic Vector X = 23740 nT
Magnetic Dip =	60.43°	Magnetic Vector Y = 3183 nT
Magnetic Model =	bggm2013	Magnetic Vector Z = 42216 nT
Spud Date =	May 15, 2014	Magnetic Vector H = 23953 nT

Signed: _____

Date: _____