

NM OIL CONSERVATION
ARTESIA DISTRICT

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, 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

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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015 42396	Pool Code 606660	Pool Name Turkey Track Bone Spring
Property Code 306379	Property Name CONOCO "7" STATE	Well Number 27H
OGRID No. 116696	Operator Name OXY USA INC.	Elevation 3380.7'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	19 SOUTH	29 EAST, N.M.P.M.		450'	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
M	7	19 SOUTH	29 EAST, N.M.P.M.		522'	SOUTH	180'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
152.72	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.

BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=607369.0 X=565391.4 LAT.: N 32.6695778° LONG.: W 104.1208312°			BOTTOM PERF. NEW MEXICO EAST NAD 1927 Y=607365.5 X=565541.3 LAT.: N 32.6695674° LONG.: W 104.1203440°			SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=607263.1 X=569922.2 LAT.: N 32.6692610° LONG.: W 104.1061083°		

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 by competent professional surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

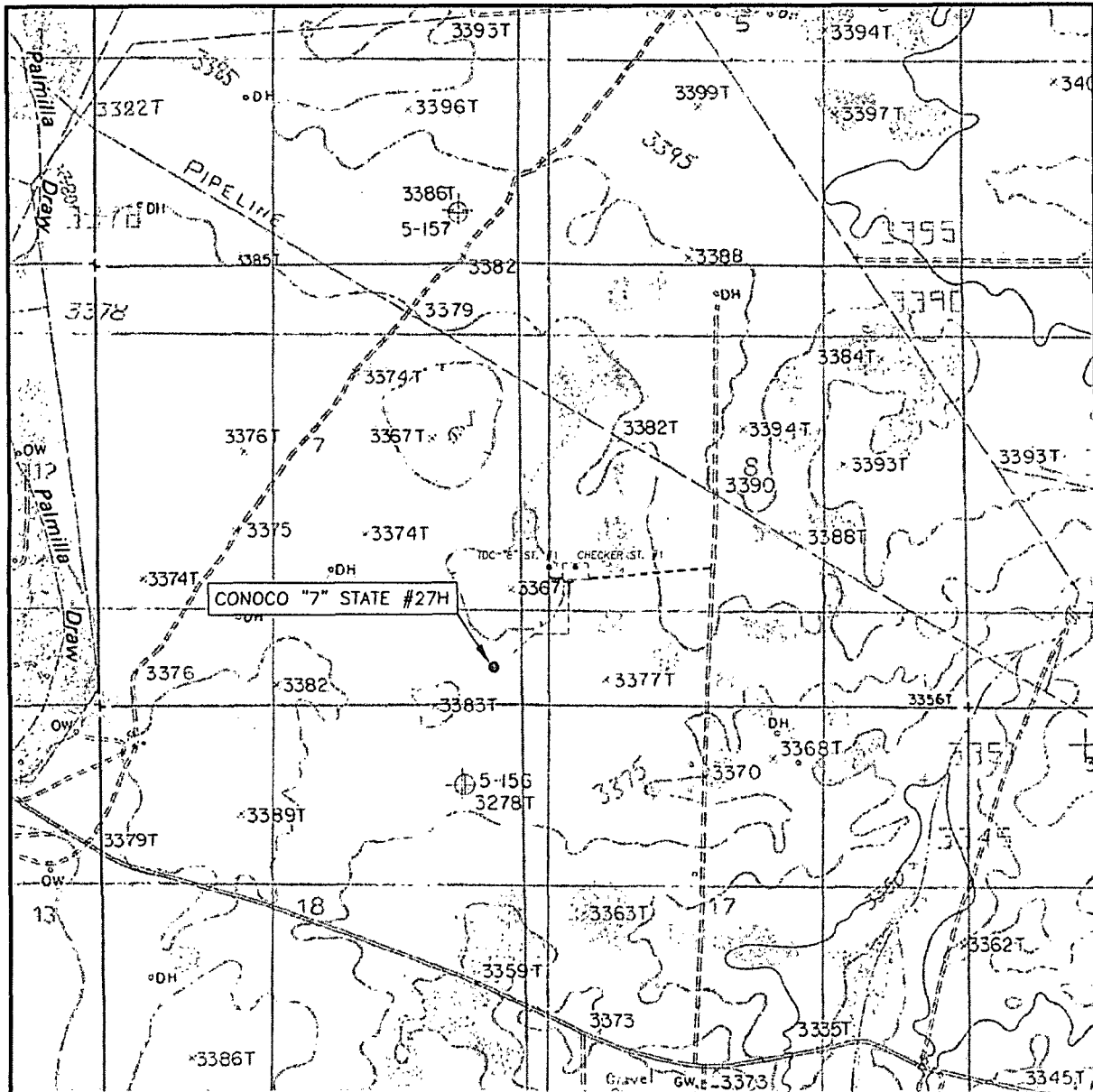
Date of Survey: **DECEMBER 13, 2013**

Signature and Seal: *Terry J. Abel*

Certificate Number: **15079**

WO# 111007WL-m (Rev. B) (KJ)

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 450' FSL & 330' FEL

ELEVATION 3380.7'

OPERATOR OXY USA INC.

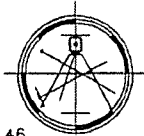
LEASE CONOCO "7" STATE #27H

U.S.G.S. TOPOGRAPHIC MAP

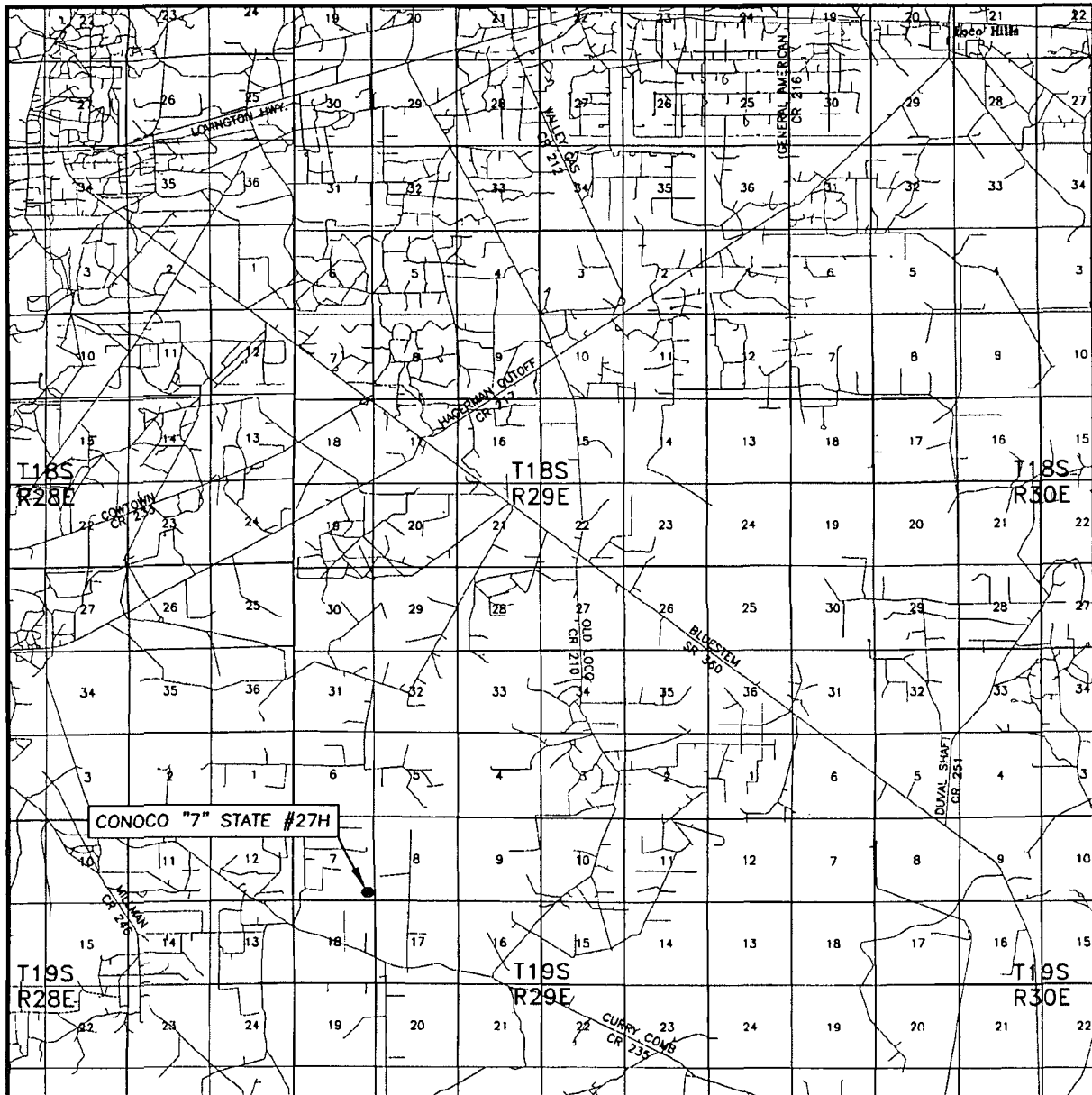
ILLINOIS CAMP NE, N.M.

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 450' FSL & 330' FEL
 ELEVATION 3380.7'
 OPERATOR OXY USA INC.

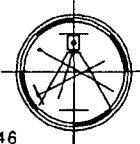
SCALE: 1" = 2 MILES

LEASE CONOCO "7" STATE #27H

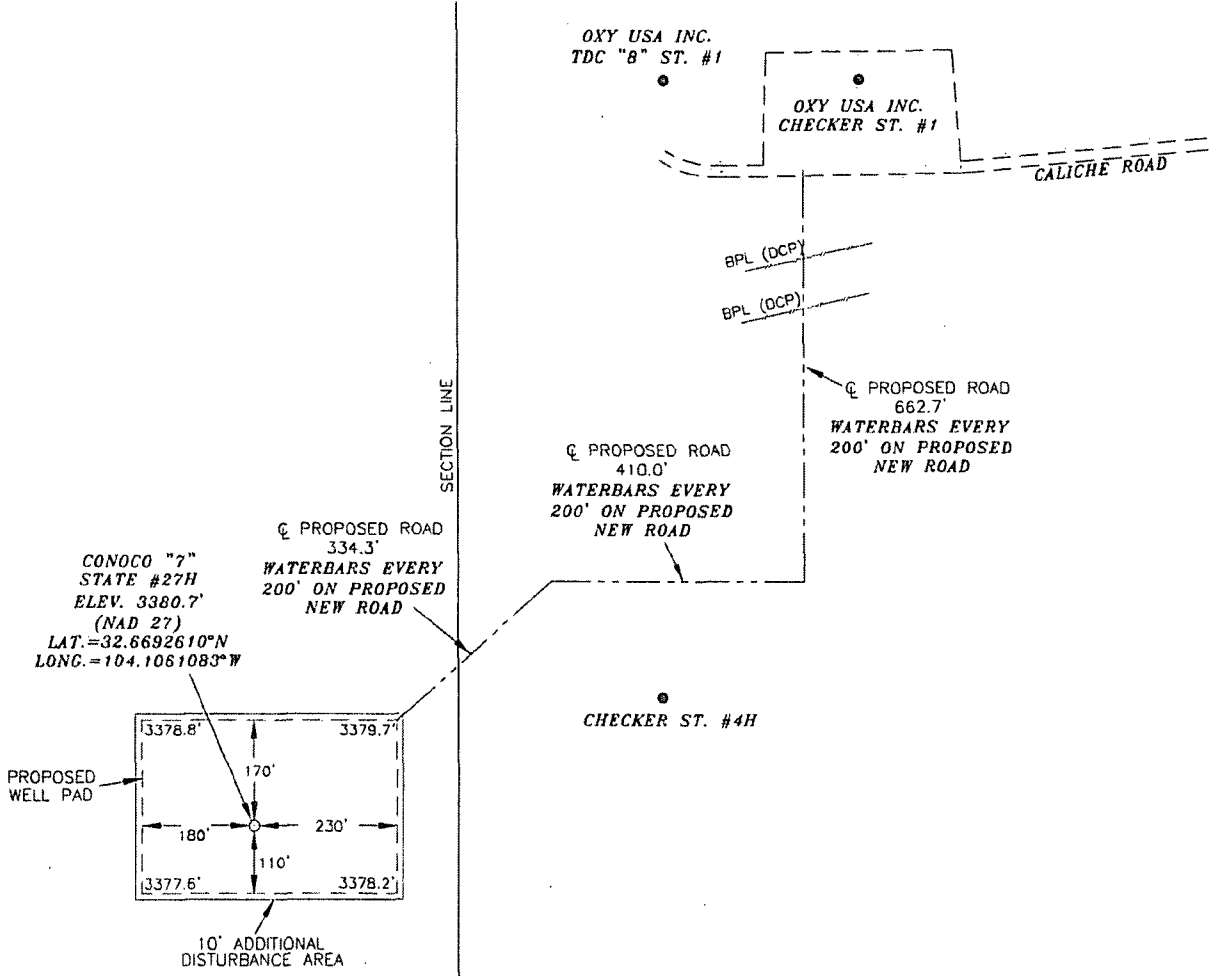
DIRECTIONS FROM THE INTERSECTION OF U.S. HWY. #82 AND COUNTY ROAD #360 (BLUESTEM ROAD), GO SOUTHEAST ON COUNTY ROAD #360 FOR 7.9 MILES, TURN RIGHT ON COUNTY ROAD #210 (OLD LOCO ROAD) AND GO SOUTH FOR 5.7 MILES, TURN RIGHT ON COUNTY ROAD #235 (CURRY COMB ROAD) AND GO WEST FOR 1.1 MILES, TURN RIGHT ON CALICHE ROAD AND GO NORTH FOR 1.1 MILES, TURN LEFT AND GO WEST FOR 0.3 MILES, TURN LEFT ON PROPOSED ROAD AND GO SOUTH FOR 662.7 FEET, TURN RIGHT AND GO WEST FOR 410.0 FEET, TURN LEFT AND GO SOUTHWEST FOR 334.3 FEET TO LOCATION.

Asel Surveying

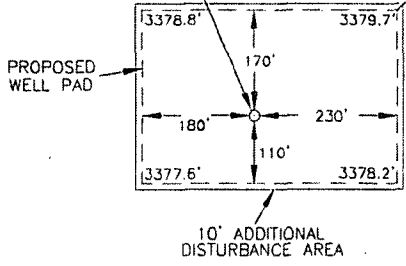
P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-393-9146



OXY USA INC. CONOCO "7" STATE #27H SITE PLAN



CONOCO "7"
STATE #27H
ELEV. 3380.7'
(NAD 27)
LAT. = 32.6692610°N
LONG. = 104.1061083°W



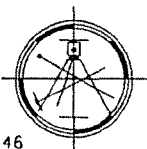
SURVEYORS CERTIFICATE

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 1/29/2014
Terry J. Asel, N.M. R.P.L.S. No. 15079

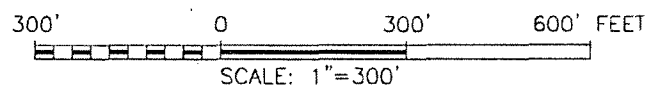
Asel Surveying

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



LEGEND

- DENOTES PROPOSED WELL PAD
- DENOTES PROPOSED ROAD

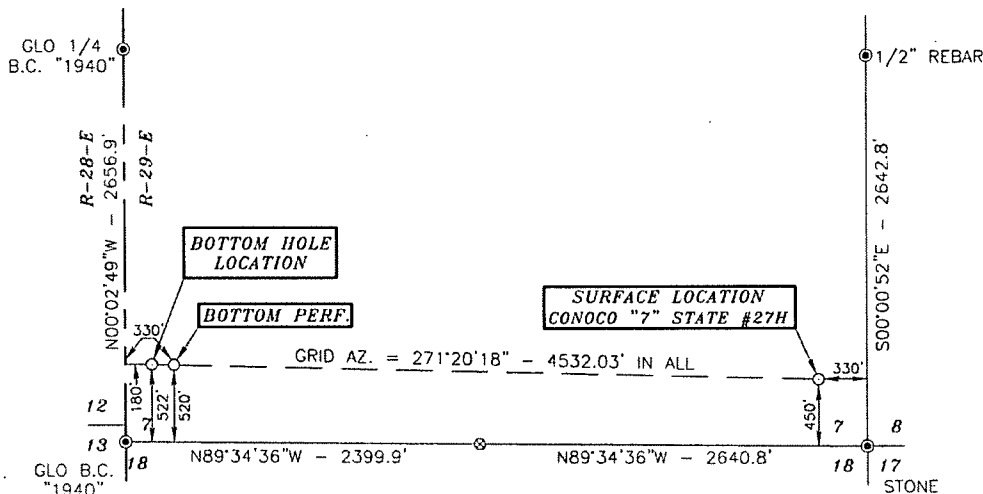


OXY USA INC.

CONOCO "7" STATE #27H WELL PAD LOCATED
AT 450' 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: 111007WL-m (Rev. A)	Drawn By: KA Rev: A
Date: 01/23/14	111007WL-m Scale: 1"=300'

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



Basis of Bearings - GPS Geodetic Measurements
NAD East Zone (83) North American Datum of 1983

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 1.1
MILES, TURN RIGHT ON CALICHE ROAD AND GO
NORTH FOR 1.1 MILES, TURN LEFT AND GO
WEST FOR 0.3 MILES, TURN LEFT ON PROPOSED
ROAD AND GO SOUTH FOR 662.7 FEET, TURN
RIGHT AND GO WEST FOR 410.0 FEET, TURN
LEFT AND GO SOUTHWEST FOR 334.3 FEET TO
LOCATION.

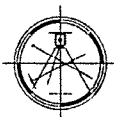


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BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR
SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW
MEXICO STATE BOARD OF REGISTRATION FOR
PROFESSIONAL ENGINEERS AND SURVEYORS.

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

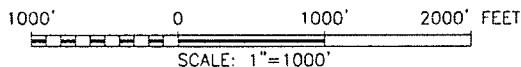
Asel Surveying



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

LEGEND

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



OXY USA INC.

CONOCO "7" STATE #27H LOCATED AT
450' 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: 111007WL-m (Rev. B)	Drawn By: KA Rev: B
Date: 05/16/14	111007WL-m Scale: 1"=1000'

OXY USA INC

APD Data

OPERATOR NAME / NUMBER: OXY USA INC

LEASE NAME / NUMBER: CONOCO 7 STATE 27H

STATE: NM

COUNTY: EDDY

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

APPROX GR ELEV: 3380.7'

EST KB ELEV: 3404.7' (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	1350	--
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	7850	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": 8186' MD / 7760' TVD

GREATEST PROJECTED TD "LATERAL TOE": 11986' MD / 7670' 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	11986	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' – 7044' (100% Excess)	430	4994	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: 7044' – 11986' (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 #27H

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

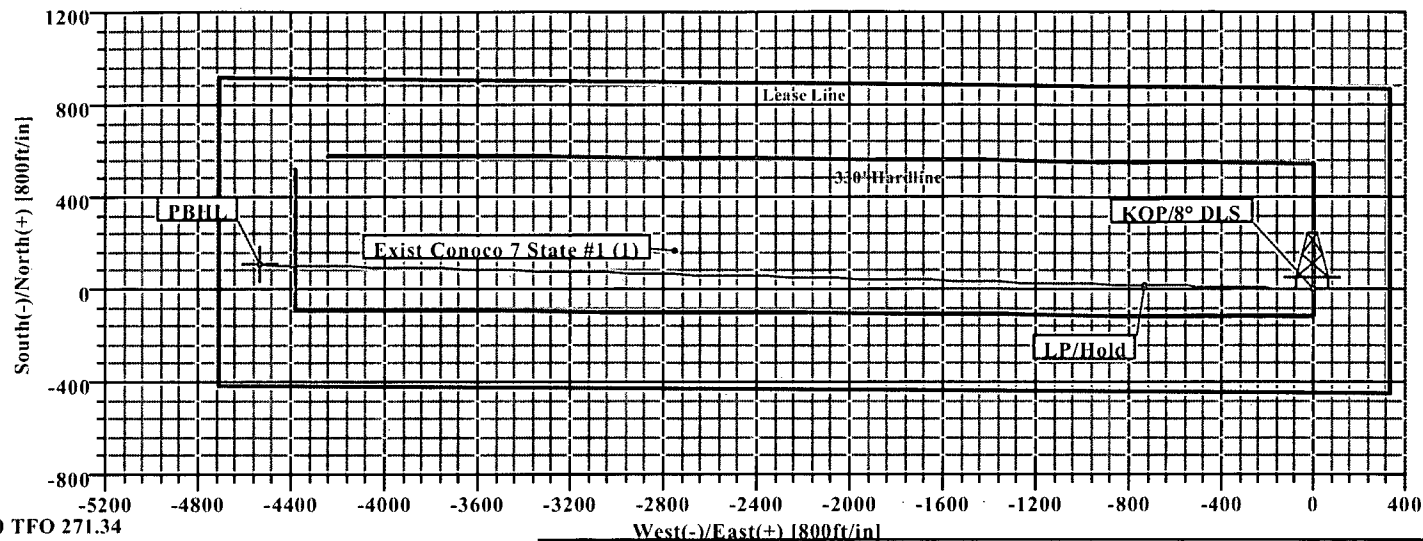
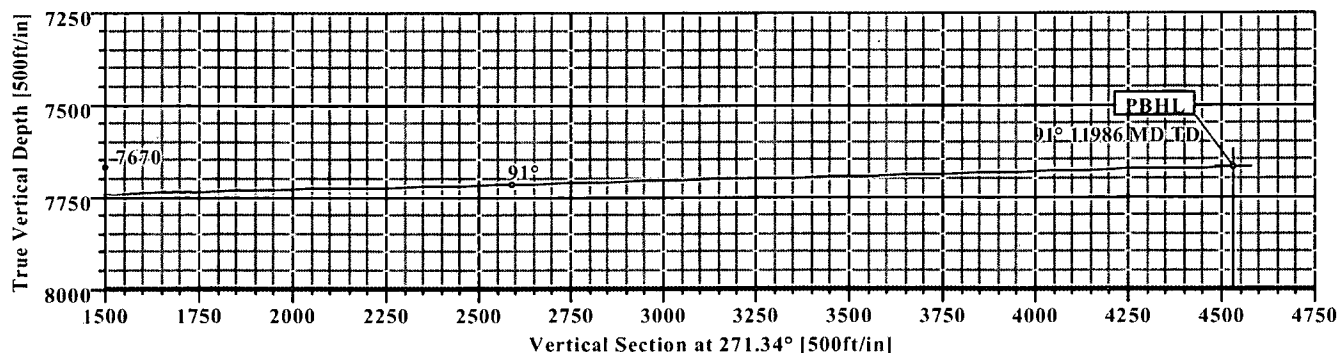
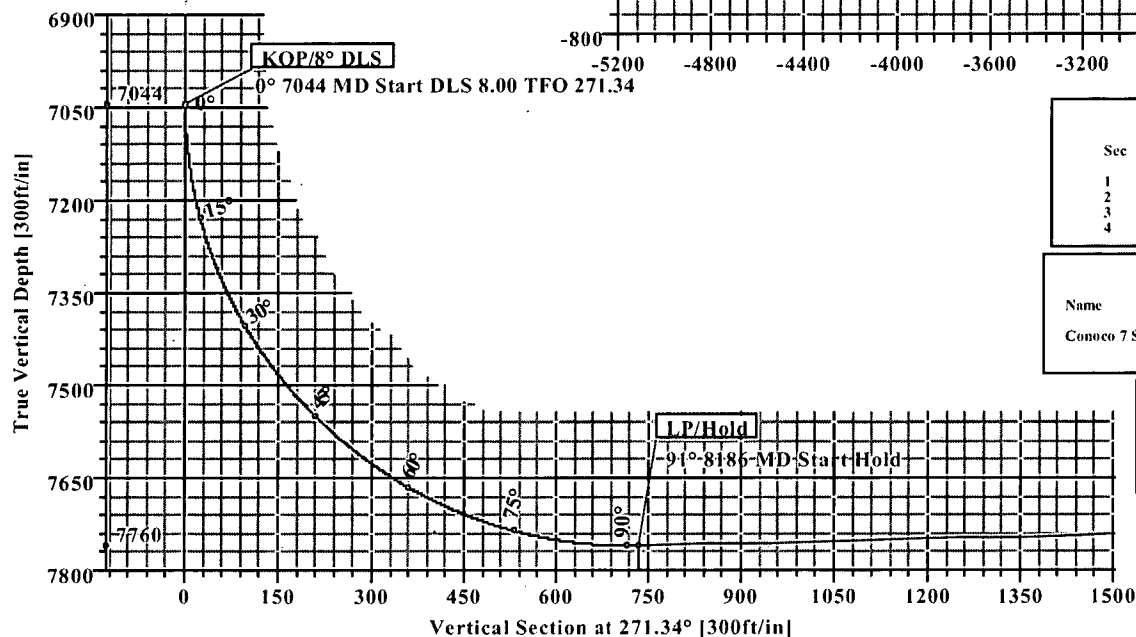
www.weatherford.com



Conoco 7 State #27H
Eddy Co, NM



KB ELEV: 3404.7
GL ELEV: 3380.7



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	7044.00	0.00	0.00	7044.00	0.00	0.00	0.00	0.00	0.00	
3	8185.96	91.36	271.34	7760.00	17.13	-732.96	8.00	271.34	733.16	
4	11985.92	91.36	271.34	7670.00	105.90	-4530.81	0.00	0.00	4532.05	PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Conoco 7 State #27H	0.00	0.00	607263.10	569922.20	32°40'09.339N	104°06'21.990W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7670.00	105.90	-4530.81	607369.00	565391.39	Point

LEGEND	
	Boo 9 State #27H (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: 4/4/2014	Time: 14:36:56	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #27H; Grid North	
Site: Conoco 7 State #27H	Vertical (TVD) Reference:	SITE 3404.7	
Well: Conoco 7 State #27H	Section (VS) Reference:	Well (0.00N,0.00E,271.34Azi)	
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 #27H

Site Position:	Northing: 607263.10 ft	Latitude: 32 40 9.339 N
From: Map	Easting: 569922.20 ft	Longitude: 104 6 21.990 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3380.70 ft		Grid Convergence: 0.12 deg

Well: Conoco 7 State #27H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 40 9.339 N
+E/-W 0.00 ft	Longitude: 104 6 21.990 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 4/4/2014	Above System Datum: Mean Sea Level
Field Strength: 48570 nT	Declination: 7.52 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.44 deg
	+N/-S
	+E/-W
	Direction
	deg
7670.00	0.00 0.00 271.34

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	
7044.00	0.00	0.00	7044.00	0.00	0.00	0.00	0.00	0.00	0.00	
8185.96	91.36	271.34	7760.00	17.13	-732.96	8.00	8.00	-7.76	271.34	
11985.92	91.36	271.34	7670.00	105.90	-4530.81	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	607263.10	569922.20	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	



Weatherford International Ltd.

WFT Plan Report X and Y's

**Weatherford**

Company: Occidental Permian Ltd. Date: 4/4/2014 Time: 14:36:56 Page: 2
Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Conoco 7 State #27H, Grid North
Site: Conoco 7 State #27H Vertical (TVD) Reference: SITE 3404.7
Well: Conoco 7 State #27H Section (VS) Reference: Well (0.00N,0.00E,271.34Azi)
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	607263.10	569922.20	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	607263.10	569922.20	
7044.00	0.00	0.00	7044.00	0.00	0.00	0.00	0.00	607263.10	569922.20	KOP/8° DLS
7100.00	4.48	271.34	7099.94	0.05	-2.19	2.19	8.00	607263.15	569920.01	
7200.00	12.48	271.34	7198.77	0.40	-16.92	16.92	8.00	607263.50	569905.28	
7300.00	20.48	271.34	7294.58	1.06	-45.26	45.27	8.00	607264.16	569876.94	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	4/4/2014	Time:	14:36:56	Page:	3
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco-7 State #27H: Grid North				
Site:	Conoco-7 State #27H	Vertical (TVD) Reference:	SITE 3404.7				
Well:	Conoco-7 State #27H	Section (VS) Reference:	Well (0.00N:0.00E:271.34Azi)				
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	28.48	271.34	7385.52	2.03	-86.65	86.67	8.00	607265.13	569835.55	
7500.00	36.48	271.34	7469.81	3.28	-140.29	140.33	8.00	607266.38	569781.91	
7600.00	44.48	271.34	7545.81	4.79	-205.14	205.19	8.00	607267.89	569717.06	
7700.00	52.48	271.34	7612.05	6.54	-279.93	280.01	8.00	607269.64	569642.27	
7800.00	60.48	271.34	7667.22	8.49	-363.21	363.31	8.00	607271.59	569558.99	
7900.00	68.48	271.34	7710.27	10.60	-453.35	453.48	8.00	607273.70	569468.85	
8000.00	76.48	271.34	7740.35	12.82	-548.61	548.76	8.00	607275.92	569373.59	
8100.00	84.48	271.34	7756.88	15.13	-647.13	647.30	8.00	607278.23	569275.07	
8185.96	91.36	271.34	7760.00	17.13	-732.96	733.16	8.00	607280.23	569189.24	LP/Hold
8200.00	91.36	271.34	7759.66	17.46	-746.99	747.19	0.00	607280.56	569175.21	
8300.00	91.36	271.34	7757.30	19.80	-846.93	847.16	0.00	607282.90	569075.27	
8400.00	91.36	271.34	7754.93	22.13	-946.88	947.14	0.00	607285.23	568975.32	
8500.00	91.36	271.34	7752.56	24.47	-1046.82	1047.11	0.00	607287.57	568875.38	
8600.00	91.36	271.34	7750.19	26.80	-1146.77	1147.08	0.00	607289.90	568775.43	
8700.00	91.36	271.34	7747.82	29.14	-1246.71	1247.05	0.00	607292.24	568675.49	
8800.00	91.36	271.34	7745.45	31.48	-1346.66	1347.02	0.00	607294.58	568575.54	
8900.00	91.36	271.34	7743.09	33.81	-1446.60	1447.00	0.00	607296.91	568475.60	
9000.00	91.36	271.34	7740.72	36.15	-1546.54	1546.97	0.00	607299.25	568375.66	
9100.00	91.36	271.34	7738.35	38.48	-1646.49	1646.94	0.00	607301.58	568275.71	
9200.00	91.36	271.34	7735.98	40.82	-1746.43	1746.91	0.00	607303.92	568175.77	
9300.00	91.36	271.34	7733.61	43.16	-1846.38	1846.88	0.00	607306.26	568075.82	
9400.00	91.36	271.34	7731.24	45.49	-1946.32	1946.86	0.00	607308.59	567975.88	
9500.00	91.36	271.34	7728.88	47.83	-2046.27	2046.83	0.00	607310.93	567875.93	
9600.00	91.36	271.34	7726.51	50.16	-2146.21	2146.80	0.00	607313.26	567775.99	
9700.00	91.36	271.34	7724.14	52.50	-2246.16	2246.77	0.00	607315.60	567676.04	
9800.00	91.36	271.34	7721.77	54.84	-2346.10	2346.74	0.00	607317.94	567576.10	
9900.00	91.36	271.34	7719.40	57.17	-2446.05	2446.71	0.00	607320.27	567476.15	
10000.00	91.36	271.34	7717.03	59.51	-2545.99	2546.69	0.00	607322.61	567376.21	
10100.00	91.36	271.34	7714.67	61.84	-2645.94	2646.66	0.00	607324.94	567276.26	
10200.00	91.36	271.34	7712.30	64.18	-2745.88	2746.63	0.00	607327.28	567176.32	
10300.00	91.36	271.34	7709.93	66.52	-2845.83	2846.60	0.00	607329.62	567076.37	
10400.00	91.36	271.34	7707.56	68.85	-2945.77	2946.57	0.00	607331.95	566976.43	
10500.00	91.36	271.34	7705.19	71.19	-3045.71	3046.55	0.00	607334.29	566876.49	
10600.00	91.36	271.34	7702.82	73.52	-3145.66	3146.52	0.00	607336.62	566776.54	
10700.00	91.36	271.34	7700.46	75.86	-3245.60	3246.49	0.00	607338.96	566676.60	
10800.00	91.36	271.34	7698.09	78.20	-3345.55	3346.46	0.00	607341.30	566576.65	
10900.00	91.36	271.34	7695.72	80.53	-3445.49	3446.43	0.00	607343.63	566476.71	
11000.00	91.36	271.34	7693.35	82.87	-3545.44	3546.41	0.00	607345.97	566376.76	
11100.00	91.36	271.34	7690.98	85.20	-3645.38	3646.38	0.00	607348.30	566276.82	
11200.00	91.36	271.34	7688.61	87.54	-3745.33	3746.35	0.00	607350.64	566176.87	
11300.00	91.36	271.34	7686.24	89.88	-3845.27	3846.32	0.00	607352.98	566076.93	
11400.00	91.36	271.34	7683.88	92.21	-3945.22	3946.29	0.00	607355.31	565976.98	
11500.00	91.36	271.34	7681.51	94.55	-4045.16	4046.27	0.00	607357.65	565877.04	
11600.00	91.36	271.34	7679.14	96.88	-4145.11	4146.24	0.00	607359.98	565777.09	
11700.00	91.36	271.34	7676.77	99.22	-4245.05	4246.21	0.00	607362.32	565677.15	
11800.00	91.36	271.34	7674.40	101.56	-4345.00	4346.18	0.00	607364.66	565577.20	
11900.00	91.36	271.34	7672.03	103.89	-4444.94	4446.15	0.00	607366.99	565477.26	
11985.92	91.36	271.34	7670.00	105.90	-4530.81	4532.05	0.00	607369.00	565391.39	PBHL



Weatherford International Ltd.

WFT Plan Report X and Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	4/4/2014	Time:	14:36:56	Page:	4
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Conoco 7 State #27H, Grid North				
Site:	Conoco 7 State #27H	Vertical (TVD) Reference:	SITE 3404.7				
Well:	Conoco 7 State #27H	Section (VS) Reference:	Well (0.00N,0.00E,271.34Azi)				
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			7670.00	105.90	-4530.81	607369.00	565391.39	32 40 10.480 N	104 7 14.992 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
7044.00	7044.00	KOP/8° DLS
8185.96	7760.00	LP/Hold
11985.91	7670.00	PBHL



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/1/2014	Time:	10:16:48	Page:	1
Field:	Eddy Co, NM (Nad 27)						
Reference Site:	Conoco 7 State #27H	Co-ordinate(NE) Reference:	Well: Conoco 7, State #27H, Grid North				
Reference Well:	Conoco 7 State #27H	Vertical (TVD) Reference:	SITE 3404.7				
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 11985.92 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	10200.00	7715.30	100.87	-200.65	0.33	Level 1

Site: Exist Conoco 7 State #1

Well: Exist Conoco 7 State #1

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	3.00	3.00	0.00	0.03	273.43	164.87	-2751.91	2756.84	2756.81	79630.70	
100.00	100.00	103.00	103.00	0.09	1.25	273.43	164.87	-2751.91	2756.84	2755.51	2071.99	
200.00	200.00	203.00	203.00	0.31	4.28	273.43	164.87	-2751.91	2756.84	2752.25	600.34	
300.00	300.00	303.00	303.00	0.53	7.32	273.43	164.87	-2751.91	2756.84	2748.99	351.02	
400.00	400.00	403.00	403.00	0.76	10.36	273.43	164.87	-2751.91	2756.84	2745.73	248.02	
500.00	500.00	503.00	503.00	0.98	13.39	273.43	164.87	-2751.91	2756.84	2742.47	191.75	
600.00	600.00	603.00	603.00	1.21	16.43	273.43	164.87	-2751.91	2756.84	2739.20	156.29	
700.00	700.00	703.00	703.00	1.43	19.47	273.43	164.87	-2751.91	2756.84	2735.94	131.90	
800.00	800.00	803.00	803.00	1.66	22.50	273.43	164.87	-2751.91	2756.84	2732.68	114.10	
900.00	900.00	903.00	903.00	1.88	25.54	273.43	164.87	-2751.91	2756.84	2729.42	100.53	
1000.00	1000.00	1003.00	1003.00	2.11	28.58	273.43	164.87	-2751.91	2756.84	2726.16	89.84	
1100.00	1100.00	1103.00	1103.00	2.33	31.61	273.43	164.87	-2751.91	2756.84	2722.90	81.21	
1200.00	1200.00	1203.00	1203.00	2.56	34.65	273.43	164.87	-2751.91	2756.84	2719.63	74.09	
1300.00	1300.00	1303.00	1303.00	2.78	37.69	273.43	164.87	-2751.91	2756.84	2716.37	68.12	
1400.00	1400.00	1403.00	1403.00	3.01	40.72	273.43	164.87	-2751.91	2756.84	2713.11	63.04	
1500.00	1500.00	1503.00	1503.00	3.23	43.76	273.43	164.87	-2751.91	2756.84	2709.85	58.66	
1600.00	1600.00	1603.00	1603.00	3.46	46.80	273.43	164.87	-2751.91	2756.84	2706.59	54.86	
1700.00	1700.00	1703.00	1703.00	3.68	49.84	273.43	164.87	-2751.91	2756.84	2703.33	51.51	
1800.00	1800.00	1803.00	1803.00	3.91	52.87	273.43	164.87	-2751.91	2756.84	2700.06	48.55	
1900.00	1900.00	1903.00	1903.00	4.13	55.91	273.43	164.87	-2751.91	2756.84	2696.80	45.92	
2000.00	2000.00	2003.00	2003.00	4.36	58.95	273.43	164.87	-2751.91	2756.84	2693.54	43.55	
2100.00	2100.00	2103.00	2103.00	4.58	61.98	273.43	164.87	-2751.91	2756.84	2690.28	41.42	
2200.00	2200.00	2203.00	2203.00	4.81	65.02	273.43	164.87	-2751.91	2756.84	2687.02	39.48	
2300.00	2300.00	2303.00	2303.00	5.03	68.06	273.43	164.87	-2751.91	2756.84	2683.76	37.72	
2400.00	2400.00	2403.00	2403.00	5.26	71.09	273.43	164.87	-2751.91	2756.84	2680.49	36.11	
2500.00	2500.00	2503.00	2503.00	5.48	74.13	273.43	164.87	-2751.91	2756.84	2677.23	34.63	
2600.00	2600.00	2603.00	2603.00	5.70	77.17	273.43	164.87	-2751.91	2756.84	2673.97	33.27	
2700.00	2700.00	2703.00	2703.00	5.93	80.20	273.43	164.87	-2751.91	2756.84	2670.71	32.01	
2800.00	2800.00	2803.00	2803.00	6.15	83.24	273.43	164.87	-2751.91	2756.84	2667.45	30.84	
2900.00	2900.00	2903.00	2903.00	6.38	86.28	273.43	164.87	-2751.91	2756.84	2664.19	29.75	
3000.00	3000.00	3003.00	3003.00	6.60	89.31	273.43	164.87	-2751.91	2756.84	2660.92	28.74	
3100.00	3100.00	3103.00	3103.00	6.83	92.35	273.43	164.87	-2751.91	2756.84	2657.66	27.80	
3200.00	3200.00	3203.00	3203.00	7.05	95.39	273.43	164.87	-2751.91	2756.84	2654.40	26.91	
3300.00	3300.00	3303.00	3303.00	7.28	98.43	273.43	164.87	-2751.91	2756.84	2651.14	26.08	
3400.00	3400.00	3403.00	3403.00	7.50	101.46	273.43	164.87	-2751.91	2756.84	2647.88	25.30	
3500.00	3500.00	3503.00	3503.00	7.73	104.50	273.43	164.87	-2751.91	2756.84	2644.62	24.57	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/1/2014	Time:	10:16:48	Page:	2
Field:	Eddy Co., NM (Nad 27)						
Reference Site:	Conoco 7 State #27H	Co-ordinate(NE) Reference:	Well: Conoco 7 State #27H, Grid North				
Reference Well:	Conoco 7 State #27H	Vertical (TVD) Reference:	SITE 3404.7				
Reference Wellpath:	1					Db:	Sybase

Site: Exist Conoco 7 State #1
Well: Exist Conoco 7 State #1
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
3600.00	3600.00	3603.00	3603.00	7.95	107.54	273.43	164.87	-2751.91	2756.84	2641.36	23.87	
3700.00	3700.00	3703.00	3703.00	8.18	110.57	273.43	164.87	-2751.91	2756.84	2638.09	23.22	
3800.00	3800.00	3803.00	3803.00	8.40	113.61	273.43	164.87	-2751.91	2756.84	2634.83	22.60	
3900.00	3900.00	3903.00	3903.00	8.63	116.65	273.43	164.87	-2751.91	2756.84	2631.57	22.01	
4000.00	4000.00	4003.00	4003.00	8.85	119.68	273.43	164.87	-2751.91	2756.84	2628.31	21.45	
4100.00	4100.00	4103.00	4103.00	9.08	122.72	273.43	164.87	-2751.91	2756.84	2625.05	20.92	
4200.00	4200.00	4203.00	4203.00	9.30	125.76	273.43	164.87	-2751.91	2756.84	2621.79	20.41	
4300.00	4300.00	4303.00	4303.00	9.53	128.79	273.43	164.87	-2751.91	2756.84	2618.52	19.93	
4400.00	4400.00	4403.00	4403.00	9.75	131.83	273.43	164.87	-2751.91	2756.84	2615.26	19.47	
4500.00	4500.00	4503.00	4503.00	9.98	134.87	273.43	164.87	-2751.91	2756.84	2612.00	19.03	
4600.00	4600.00	4603.00	4603.00	10.20	137.90	273.43	164.87	-2751.91	2756.84	2608.74	18.61	
4700.00	4700.00	4703.00	4703.00	10.42	140.94	273.43	164.87	-2751.91	2756.84	2605.48	18.21	
4800.00	4800.00	4803.00	4803.00	10.65	143.98	273.43	164.87	-2751.91	2756.84	2602.22	17.83	
4900.00	4900.00	4903.00	4903.00	10.87	147.02	273.43	164.87	-2751.91	2756.84	2598.95	17.46	
5000.00	5000.00	5003.00	5003.00	11.10	150.05	273.43	164.87	-2751.91	2756.84	2595.69	17.11	
5100.00	5100.00	5103.00	5103.00	11.32	153.09	273.43	164.87	-2751.91	2756.84	2592.43	16.77	
5200.00	5200.00	5203.00	5203.00	11.55	156.13	273.43	164.87	-2751.91	2756.84	2589.17	16.44	
5300.00	5300.00	5303.00	5303.00	11.77	159.16	273.43	164.87	-2751.91	2756.84	2585.91	16.13	
5400.00	5400.00	5403.00	5403.00	12.00	162.20	273.43	164.87	-2751.91	2756.84	2582.65	15.83	
5500.00	5500.00	5503.00	5503.00	12.22	165.24	273.43	164.87	-2751.91	2756.84	2579.38	15.54	
5600.00	5600.00	5603.00	5603.00	12.45	168.27	273.43	164.87	-2751.91	2756.84	2576.12	15.25	
5700.00	5700.00	5703.00	5703.00	12.67	171.31	273.43	164.87	-2751.91	2756.84	2572.86	14.98	
5800.00	5800.00	5803.00	5803.00	12.90	174.35	273.43	164.87	-2751.91	2756.84	2569.60	14.72	
5900.00	5900.00	5903.00	5903.00	13.12	177.38	273.43	164.87	-2751.91	2756.84	2566.34	14.47	
6000.00	6000.00	6003.00	6003.00	13.35	180.42	273.43	164.87	-2751.91	2756.84	2563.08	14.23	
6100.00	6100.00	6103.00	6103.00	13.57	183.46	273.43	164.87	-2751.91	2756.84	2559.81	13.99	
6200.00	6200.00	6203.00	6203.00	13.80	186.49	273.43	164.87	-2751.91	2756.84	2556.55	13.76	
6300.00	6300.00	6303.00	6303.00	14.02	189.53	273.43	164.87	-2751.91	2756.84	2553.29	13.54	
6400.00	6400.00	6403.00	6403.00	14.25	192.57	273.43	164.87	-2751.91	2756.84	2550.03	13.33	
6500.00	6500.00	6503.00	6503.00	14.47	195.60	273.43	164.87	-2751.91	2756.84	2546.77	13.12	
6600.00	6600.00	6603.00	6603.00	14.70	198.64	273.43	164.87	-2751.91	2756.84	2543.51	12.92	
6700.00	6700.00	6703.00	6703.00	14.92	201.68	273.43	164.87	-2751.91	2756.84	2540.24	12.73	
6800.00	6800.00	6803.00	6803.00	15.14	204.72	273.43	164.87	-2751.91	2756.84	2536.98	12.54	
6900.00	6900.00	6903.00	6903.00	15.37	207.75	273.43	164.87	-2751.91	2756.84	2533.72	12.36	
7000.00	7000.00	7003.00	7003.00	15.59	210.79	273.43	164.87	-2751.91	2756.84	2530.46	12.18	
7100.00	7099.94	7102.94	7102.94	15.80	213.82	2.10	164.87	-2751.91	2754.66	2525.07	12.00	
7200.00	7198.77	7201.77	7201.77	16.01	216.83	2.15	164.87	-2751.91	2739.93	2507.43	11.78	
7300.00	7294.58	7297.58	7297.58	16.23	219.74	2.27	164.87	-2751.91	2711.61	2476.55	11.54	
7400.00	7385.52	7388.52	7388.52	16.49	222.50	2.45	164.87	-2751.91	2670.23	2433.02	11.26	
7500.00	7469.81	7472.81	7472.81	16.82	225.06	2.74	164.87	-2751.91	2616.61	2377.69	10.95	
7600.00	7545.81	7548.81	7548.81	17.28	227.36	3.16	164.87	-2751.91	2551.80	2311.63	10.63	
7700.00	7612.05	7615.05	7615.05	17.90	229.38	3.82	164.87	-2751.91	2477.04	2236.09	10.28	
7800.00	7667.22	7670.22	7670.22	18.73	231.05	4.88	164.87	-2751.91	2393.81	2152.48	9.92	
7900.00	7710.27	7713.27	7713.27	19.80	232.36	6.79	164.87	-2751.91	2303.73	2062.28	9.54	
8000.00	7740.35	7743.35	7743.35	21.11	233.27	11.03	164.87	-2751.91	2208.54	1966.66	9.13	
8100.00	7756.88	7759.88	7759.88	22.61	233.77	26.37	164.87	-2751.91	2110.10	1864.04	8.58	
8200.00	7759.66	7762.66	7762.66	24.27	233.86	115.32	164.87	-2751.91	2010.33	1753.49	7.83	
8300.00	7757.30	7760.30	7760.30	26.05	233.79	114.20	164.87	-2751.91	1910.49	1651.83	7.39	
8400.00	7754.93	7757.93	7757.93	27.95	233.72	113.07	164.87	-2751.91	1810.67	1550.06	6.95	
8500.00	7752.56	7755.56	7755.56	29.93	233.64	111.92	164.87	-2751.91	1710.86	1448.22	6.51	
8600.00	7750.19	7753.19	7753.19	31.99	233.57	110.75	164.87	-2751.91	1611.07	1346.31	6.08	



Weatherford International Ltd.

Anticollision Report



Weatherford

Company: Occidental Permian Ltd. Date: 5/1/2014 Time: 10:16:48 Page: 3
 Field: Eddy Co, NM (Nad 27)
 Reference Site: Conoco 7 State #27H Co-ordinate(NE) Reference: Well: Conoco 7 State #27H Grid North
 Reference Well: Conoco 7 State #27H Vertical (TVD) Reference: SITE 3404.7
 Reference Wellpath: 1 Db: Sybase

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

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		TFO-HS	Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset		North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8700.00	7747.82	7750.82	7750.82	34.11	233.50	109.56	164.87	-2751.91	1511.30	1244.35	5.66	
8800.00	7745.45	7748.45	7748.45	36.28	233.43	108.35	164.87	-2751.91	1411.57	1142.37	5.24	
8900.00	7743.09	7746.09	7746.09	38.49	233.36	107.13	164.87	-2751.91	1311.87	1040.38	4.83	
9000.00	7740.72	7743.72	7743.72	40.74	233.28	105.89	164.87	-2751.91	1212.22	938.41	4.43	
9100.00	7738.35	7741.35	7741.35	43.01	233.21	104.63	164.87	-2751.91	1112.62	836.47	4.03	
9200.00	7735.98	7738.98	7738.98	45.31	233.14	103.36	164.87	-2751.91	1013.10	734.59	3.64	
9300.00	7733.61	7736.61	7736.61	47.63	233.07	102.08	164.87	-2751.91	913.67	632.82	3.25	
9400.00	7731.24	7734.24	7734.24	49.96	233.00	100.78	164.87	-2751.91	814.38	531.21	2.88	
9500.00	7728.88	7731.88	7731.88	52.32	232.92	99.47	164.87	-2751.91	715.28	429.83	2.51	
9600.00	7726.51	7729.51	7729.51	54.68	232.85	98.16	164.87	-2751.91	616.46	328.81	2.14	
9700.00	7724.14	7727.14	7727.14	57.06	232.78	96.83	164.87	-2751.91	518.08	228.37	1.79	
9800.00	7721.77	7724.77	7724.77	59.45	232.71	95.49	164.87	-2751.91	420.46	128.56	1.44	Level 3
9900.00	7719.40	7722.40	7722.40	61.85	232.64	94.15	164.87	-2751.91	324.27	29.94	1.10	Level 2
10000.00	7717.03	7720.03	7720.03	64.26	232.56	92.81	164.87	-2751.91	231.31	-65.44	0.78	Level 1
10100.00	7714.67	7717.67	7717.67	66.67	232.49	91.46	164.87	-2751.91	147.80	-151.35	0.49	Level 1
10200.00	7712.30	7715.30	7715.30	69.10	232.42	90.11	164.87	-2751.91	100.87	-200.65	0.33	Level 1
10300.00	7709.93	7712.93	7712.93	71.52	232.35	88.76	164.87	-2751.91	135.99	-167.87	0.45	Level 1
10400.00	7707.56	7710.56	7710.56	73.96	232.28	87.42	164.87	-2751.91	216.33	-89.83	0.71	Level 1
10500.00	7705.19	7708.19	7708.19	76.39	232.21	86.07	164.87	-2751.91	308.38	-0.06	1.00	Level 1
10600.00	7702.82	7705.82	7705.82	78.83	232.13	84.73	164.87	-2751.91	404.21	93.53	1.30	Level 3
10700.00	7700.46	7703.46	7703.46	81.28	232.06	83.39	164.87	-2751.91	501.65	188.79	1.60	
10800.00	7698.09	7701.09	7701.09	83.73	231.99	82.07	164.87	-2751.91	599.93	284.93	1.90	
10900.00	7695.72	7698.72	7698.72	86.18	231.92	80.75	164.87	-2751.91	698.69	381.60	2.20	
11000.00	7693.35	7696.35	7696.35	88.64	231.85	79.44	164.87	-2751.91	797.75	478.62	2.50	
11100.00	7690.98	7693.98	7693.98	91.10	231.77	78.14	164.87	-2751.91	897.02	575.90	2.79	
11200.00	7688.61	7691.61	7691.61	93.56	231.70	76.85	164.87	-2751.91	996.42	673.38	3.08	
11300.00	7686.24	7689.24	7689.24	96.02	231.63	75.58	164.87	-2751.91	1095.93	771.01	3.37	
11400.00	7683.88	7686.88	7686.88	98.49	231.56	74.32	164.87	-2751.91	1195.52	868.79	3.66	
11500.00	7681.51	7684.51	7684.51	100.96	231.49	73.08	164.87	-2751.91	1295.16	966.68	3.94	
11600.00	7679.14	7682.14	7682.14	103.43	231.41	71.85	164.87	-2751.91	1394.85	1064.67	4.22	
11700.00	7676.77	7679.77	7679.77	105.90	231.34	70.64	164.87	-2751.91	1494.58	1162.77	4.50	
11800.00	7674.40	7677.40	7677.40	108.37	231.27	69.45	164.87	-2751.91	1594.34	1260.95	4.78	
11900.00	7672.03	7675.03	7675.03	110.84	231.20	68.27	164.87	-2751.91	1694.13	1359.22	5.06	
11985.92	7670.00	7673.00	7673.00	112.97	231.14	67.28	164.87	-2751.91	1779.88	1443.71	5.29	

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

GeoDec v5.03

Report Date: May 06, 2014
Job Number: _____
Customer: Oxy
Well Name: Conoco 7 State #27H
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 607263.100 USFT	Latitude 32.6692609 DEG
East/West 569922.200 USFT	Longitude -104.1061083 DEG
Grid Convergence: .12°	
Total Correction: +7.52°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.66926° N	32° 40 min 9.339 sec
Longitude =	104.10611° W	104° 6 min 21.990 sec

Magnetic Declination =	7.64°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6557
Local Field Strength =	48534 nT	Magnetic Vector X = 23746 nT
Magnetic Dip =	60.42°	Magnetic Vector Y = 3184 nT
Magnetic Model =	bggm2013	Magnetic Vector Z = 42209 nT
Spud Date =	May 06, 2014	Magnetic Vector H = 23958 nT

Signed: _____

Date: _____

JUN 03 2014

RECEIVED

OXY USA Inc
AYFU 27 SUNDRY NOTICE TO SKID

Oxy respectfully requests a dispensation from the approved permit to skid 50' West and drill as follows:

DRILLING PLAN – SKID WELL

OPERATOR NAME / NUMBER: OXY USA WTP LP

LEASE NAME / NUMBER: Artesia Yeso Federal Unit 27Y

STATE: NM

COUNTY: Eddy

SURFACE LOCATION: 514' FNL & 1666' FWL, Sec 20, T 17S, R 28E

C-102 PLAT APPROX GR ELEV: 3638.5'

EST KB ELEV: 3652.5' (14' KB)

1. GEOLOGIC NAME OF SURFACE FORMATION

a. Permian

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

Formation	TV Depth Top	Expected Fluids
Rustler	Surface Outcropping	Fresh Water
Yates	410	-
Seven Rivers	604	-
Queen	1170	-
Grayburg	1640	Oil
San Andres	1749	Oil/Water
Glorietta	3350	Oil
Paddock	3440	Oil
Blinberry	3900	Oil
Tubb – Base of Yeso	4820	Oil
TD	5100	TD

A. Based on the State Engineer Website, there are no known nearby water wells drilled in the area.

B. The 16" conductor pipe will be set at 120' prior to spud.

GREATEST PROJECTED TD 4900' MD / 4900' TVD

OBJECTIVE: Yeso

1. CASING PROGRAM

Surface Casing: 8.625" casing set at $\pm 400'$ MD/ 400' TVD in a 11" hole filled with 8.4 ppg mud

Interval	Length	Wt	Gr	Condition	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 400'	400'	24	J-55	New	ST&C	1370	2950	381	8.097	7.972	10.17	1.72	45.54

Production Casing: 5.5" casing set at $\pm 4900'$ MD / 4950' TVD in a 7.875" hole filled 9.6 ppg mud

Interval	Length	Wt	Gr	Condition	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 5100'	5100'	17	L-80	New	LT&C	6290	7740	338	4.892	4.767	1.93	2.61	4.57

Collapse and burst loads calculated using Stress Check with actual anticipated loads.

2. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Surface (TOC: 0' - 400')							
Lead: 0' - 400' (150% Excess)	200	400'	Premium Plus Cement: 2 % Calcium Chloride - Flake	6.39	14.8	1.347	2500 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Production (TOC: 0' - 5100')							
Lead: 0' - 2900' (100 % Excess)	400	2900'	ECONOCEM (TM) SYSTEM 0.25 lbm D-AIR 5000 13.88 Gal FRESH WATER	13.88	11.9	2.429	258 psi
Tail: 2900' - 4900' (75 % Excess)	400	2000'	Premium Plus Cement 0.50 % Halad(R)-344 0.20 % WellLife 734 5 lbm Microbond 0.30 % Econolite 0.30 % CFR-3	7.72	14.2	1.549	1697 psi

Description of Cement Additives: Calcium Chloride – Flake (Accelerator), Halad ®-344 (Low Fluid Loss Control), WellLife 734 (Cement Enhancer), Microbond (Expander), Econolite (Ligh Weight Additive), CFR-3 (Dispersant)

If a caliper log is run, cement volumes will be adjusted to caliper volume + 35% excess for the production hole.

3. PRESSURE CONTROL EQUIPMENT

Surface: 0 – 400' None.

Production: 0 - 4900' the minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required to drill below the surface casing shoe shall be 3000 (3M) psi. Operator will be using an 11" 3M two ram stack with 3M annular preventer, & 3M Choke Manifold.

- a. The 11" 3000 psi blowout prevention equipment will be installed and operational after setting the 8 5/8" surface casing and the 8 5/8" SOW x 11" 3K conventional wellhead; the rotating head body will be installed but the rubber will be installed when it becomes operationally necessary.
- b. The BOP and ancillary BOPE will be tested by a third party upon installation to the 8 5/8" 24# J-55 surface casing. All equipment will be tested to 250/3000 psi for 10 minutes and charted, except the annular, which will be tested to 70% of working pressure. This is to be in compliance with the Onshore Order # 2 which states the BOPE shall be tested to 70 % of the yield of the casing when the BOP and casing are not isolated.
- c. The pipe rams will be functionally tested during each 24 hour period; the blind rams will be functionally tested on each trip out of the hole. These functional tests will be documented on the Daily Driller's Log. Other accessory equipment (BOPE) will include a safety valve and subs as needed to fit all drill strings, and a 2" kill line and 3" choke line having a 3000 psi WP rating. Oxy requests that the system be tested at 3,000 psi.
- d. Oxy requests a variance to use a co-flex line between the BOP and choke manifold. See attached schematic.
Manufacturer: Hebei Ouya Ltd.
Serial Number: 1642343-04
Length: 39" Size: 3" Ends: flanges
WP rating: 3000 psi Anchors required by manufacturer: No
- e. See attached BOP & Choke manifold diagrams.

4. MUD PROGRAM:

Depth	Mud Wt ppg	Vis Sec	Fluid Loss	Type System
0 – 400'	8.4 – 8.8	27 – 38	NC	Fresh Water / Spud Mud
400' – TD	9.6 – 10	28 – 40	10 - 20	Brine Water / Salt Gel

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.

- A. 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.

5. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT

- a. A Kelly cock will be in the drill string at all times.

- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor unobstructed and readily accessible at all times.
- c. 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. **If Hydrogen Sulfide is encountered , measured amounts and formations will be reported to the BLM**

6. LOGGING / CORING AND TESTING PROGRAM:

- A. Mud Logger: Log from 3000' to TD.
- B. DST's: None.
- C. Cased Hole Logs as follows: Gamma Ray / Neutron from surface casing to TD.

7. POTENTIAL HAZARDS:

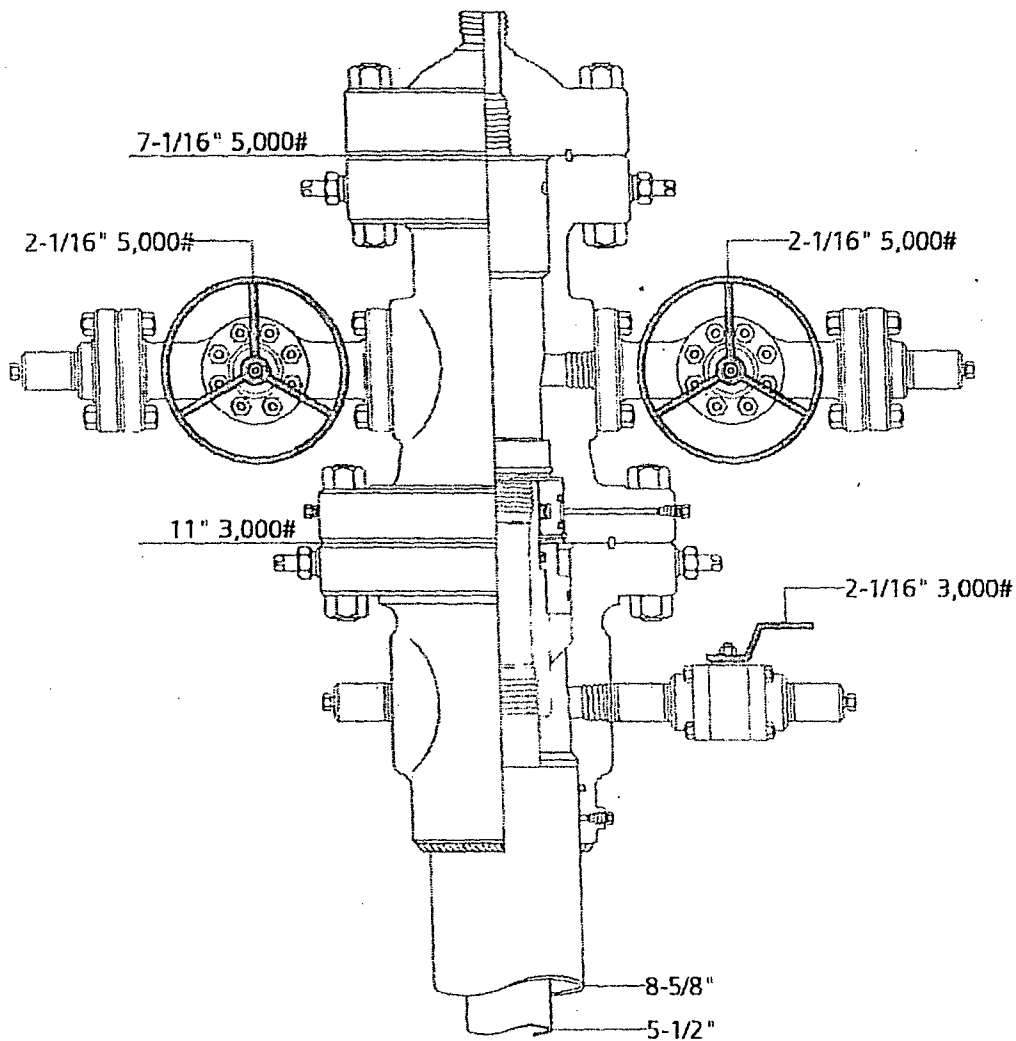
- A. H2S detection equipment will be in operation after drilling out the surface casing shoe until the production casing has been cemented. Breathing equipment will be on location from drilling out the surface shoe until production casing is cemented. If H2S is encountered the operator will comply with Onshore Order #6.
- B. The bottomhole pressure is anticipated to be 2545 psi.
- C. No abnormal temperatures or pressures are anticipated. **The highest anticipated pressure gradient is 0.50 psi/ft.** 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.

8. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

The rig is currently on site performing plugging operations on the AYFU 27 and with approval from BLM will skid over and begin drilling operations on the AYFU 27Y.

9. COMPANY PERSONNEL:

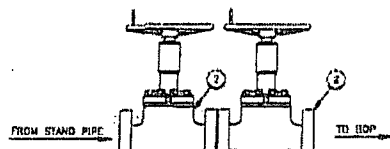
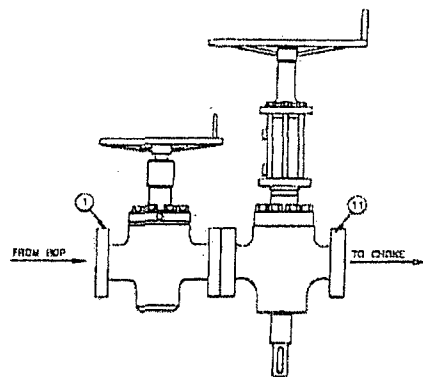
Name	Title	Office Phone
Linsay Earle	Drilling Engineer	713-350-4921
Sebastian Millan	Drilling Engineer Supervisor	713-350-4950
Roger Allen	Drilling Superintendent	713- 215-7617
Oscar Quintero	Drilling Manager	713-985-6343



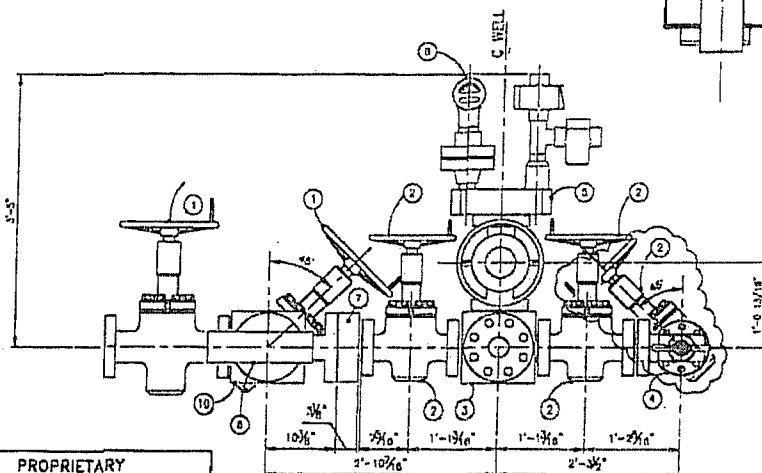
SENM 2-String Wellhead

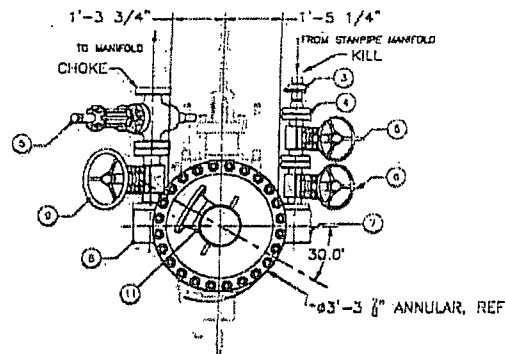


Name: Jeanette	Date: 2-10-14	Working Pressure:	# 21176584
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BOP SIDE OUTLET VALVES





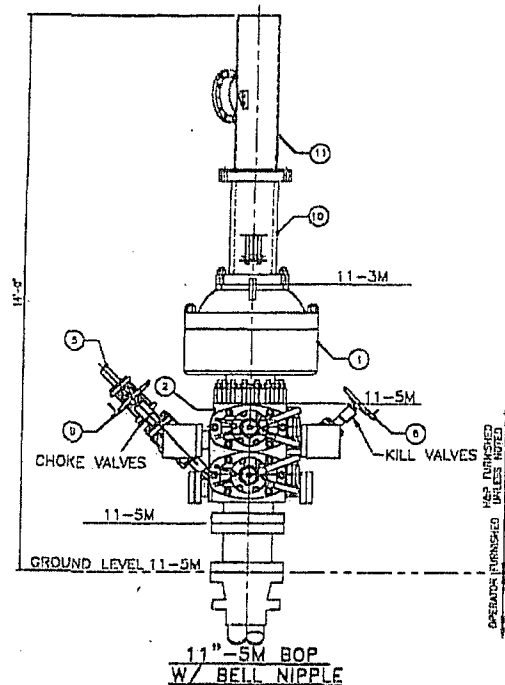
CLOSED POSITION SHOWN
13\"/>

PROPER TORQUE FOR BOLTS				
COMPONENT	FLANGE SIZE & RATING	BOLT SIZE	TORQUE (FT/LBS)	
			CF-0.07	CF-0.13
SPOOLS, ANNUAL & RAMS	11"ASH	1 7/8" DIA	1050	3330
BLOCKS	3 1/2ASH	1 1/8" DIA	401	806
ENGINE VALVES	3 1/2ASH	1 1/8" DIA	401	656
REL VALVES	2 1/16ASH	7/8" DIA	188	319

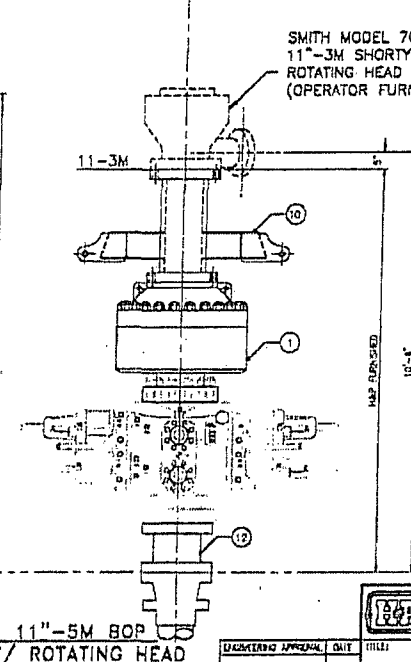
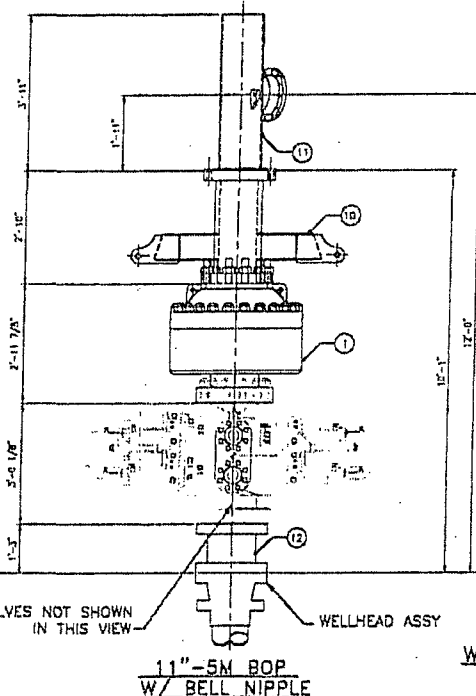
BILL OF MATERIAL				
ITEM NO.	QUAN.	DESCRIPTION	PART NUMBER	WEIGHT
		11"-5M BOP ASSEMBLY		
1	1	ANNULAR, 11.5M BOLTED TYPE		6000
2	1	TOP DOUBLE RIM		7620
4		RIM ELEMENTS		444
3	1	RAMMER UNDER, 2-1500' X20 (W)		5
4	1	FLANGE, 8IN 2 1/8"-5M API		42
5	1	VALVE, GATE PLS-HEN 3 1/2"-5M		396
8	2	VALVE, GATE 2 1/8"-5M		350
7	1	BP STUCCO BLOCK, 3 1/8"-5M X 2 1/8"-5M		216
8	1	BP STUCCO BLOCK, 3 1/8"-5M X 3 1/8"-5M		230
9	2	VALVE, GATE 3 1/2"-5M		720
10	1	BELL HOOPLE BOP LIFTING LONG	SL 76H-11-2120	790
11	1	BELL HOOPLE EXTENSION	SL 76H-11-2120	396
12	1	11"-5M x 11"-5M x 1'-3" LONG SPACER		800
2000'-WORKING PRESSURE 5000 PSI				

HARDWARE				
ITEM NO.	QUANTITY	DESCRIPTION	PART NUMBER	WEIGHT
1	1	WASHER AND BOLTS		400

APPROX. TOTAL WEIGHT = 10,230 LBS



WING VALVES NOT SHOWN
IN THIS VIEW



SMITH MODEL 7068
11\"/>



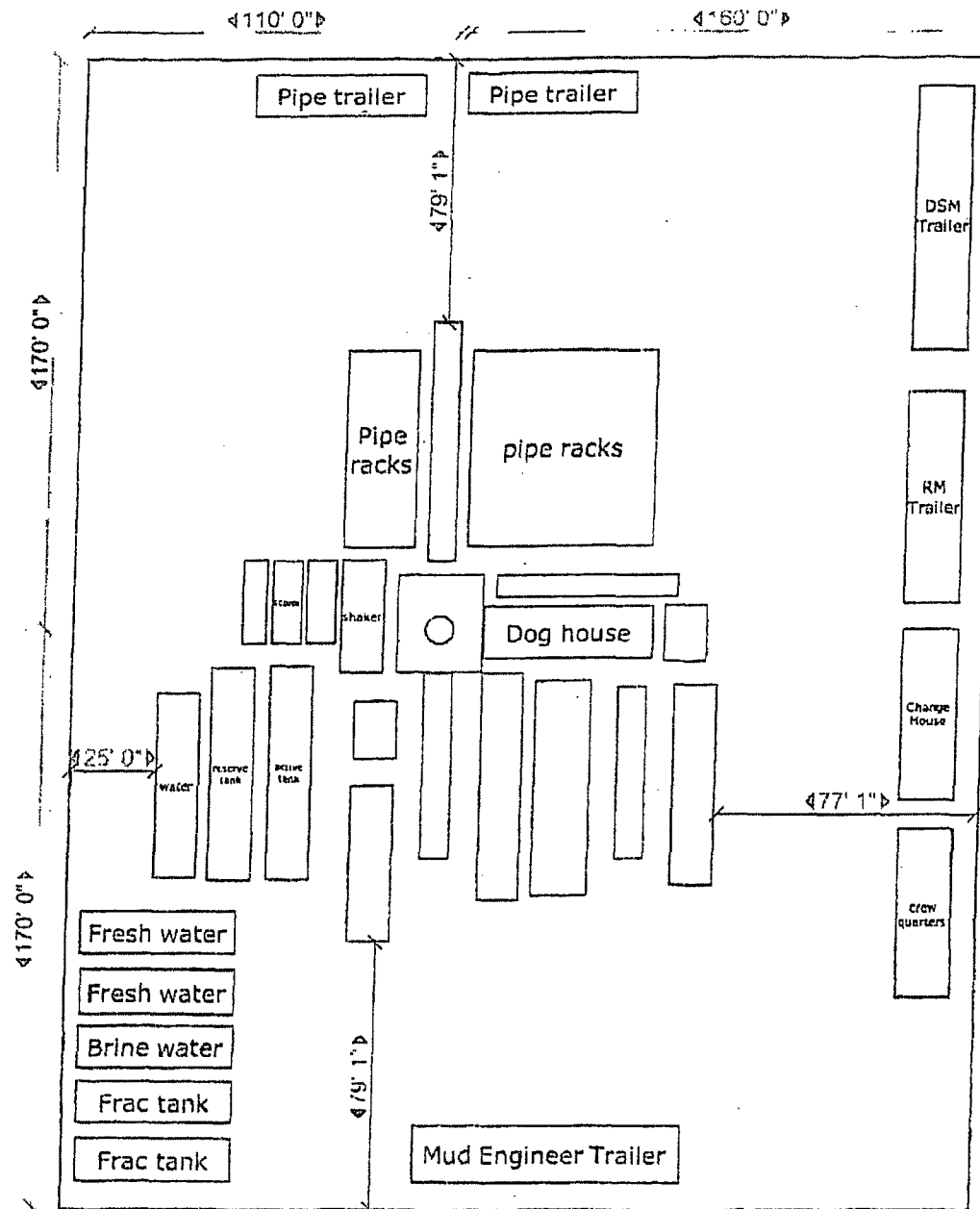
PROPRIETARY
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HEREIN ARE THE PROPERTY OF HELMERICH & PAYNE
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OFFICIAL OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

NOTES:
1. ALL BOP RAMS SHOWN ARE SHAFFER MODEL LXT
11-5M PSI WP - FLANGED BOTTOM AND STUDDED TOP

11\"/>

DATE	DESCRIPTION	BY
08/15/00	ADDED 1 OF 4 SPOOLS ONE 1 OF 3	DNV
07/17/00	SHEET 1 OF 3 WAS 1 OF 3	DNV
REV	DATE	DESCRIPTION

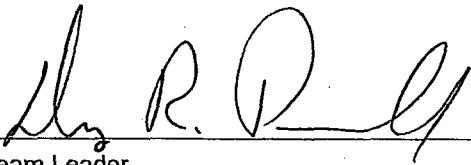
HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
11-5M BOP EQUIPMENT GENERAL ARRANGEMENT	
CUSTOMER: OXY-PETROMAN	
PROJECT: FAW	
DRAWN: DAVIDSON	CHECKED: [Signature]
SCALE: NTS	SHEET 1 OF 4
REV	REV



OPERATOR CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this

13th day of May, 2014.

Name: Douglas R. Perschke 
Position: Reservoir Management Team Leader
Address: 5 Greenway Plaza, Suite 110, Houston, TX 77046
Telephone: 713-215-7442
E-mail: (optional): douglas_perschke@oxy.com
Company: Occidental Permian LP / OXY USA Inc / OXY USA WTP LP
Field Representative (if not above signatory): Dusty Weaver
Address (if different from above): P.O. Box 50250 Midland, TX 79710
Telephone (if different from above): 432-685-5723
E-mail (if different from above): calvin_weaver@oxy.com

