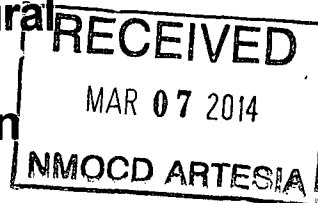


District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 182645

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address OCCIDENTAL PERMIAN LTD PO Box 4294 Houston, TX 77210		2. OGRID Number 157984
4. Property Code 309599 ✓		3. API Number 30-015-42155
5. Property Name POOH 27 STATE		6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	27	17S	28E		1206	N	1757	E	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	27	17S	28E	B	992	N	1692	E	Eddy

9. Pool Information

ARTESIA; GLORIETA-YESO (O)	96830
----------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL ✓	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3600
16. Multiple N	17. Proposed Depth 5200	18. Formation Yeso	19. Contractor	20. Spud Date 8/13/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	400	210	0
Prod	7.875	5.5	17	5200	910	0

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
 I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

Signature:

Printed Name: Jennifer Duarte

Title: Regulatory Specialist

Email Address: jennifer-duarte@oxu.com

Date: 6/3/2014

Phone: 713-513-6642

OIL CONSERVATION DIVISION

Approved By:

Title: Geologist

Approved Date: 3-13-2014

Expiration Date: 3-13-2016

Conditions of Approval Attached

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies.
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	96830	Artesia; Glorieta-Yeso
Property Code	Property Name	Well Number
38785	POOH "27" STATE	1
OCRID No.	Operator Name	Elevation
157984	Occidental Permian LTD	3600.4'

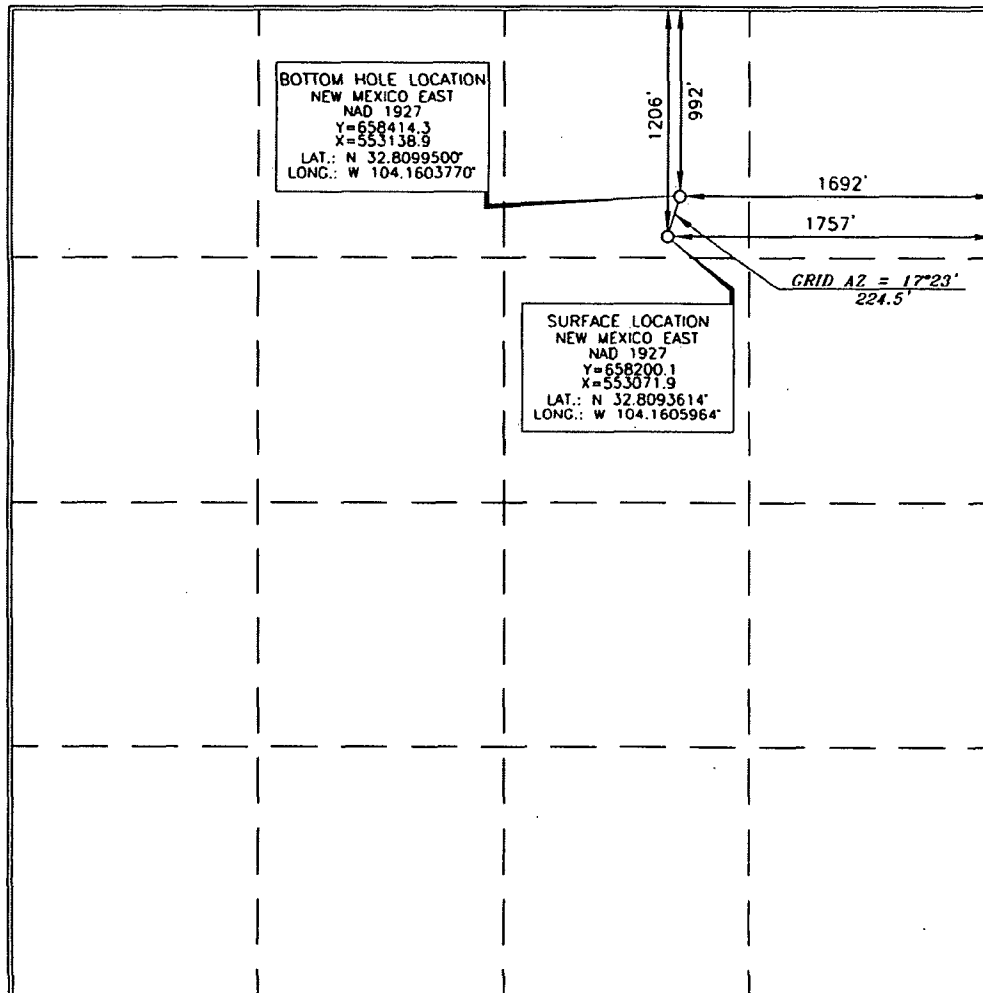
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	17 SOUTH	28 EAST, N.M.P.M.		1206'	NORTH	1757'	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
B	27	17 SOUTH	28 EAST, N.M.P.M.		992'	NORTH	1692'	EAST	EDDY
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

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.

Jennifer Duark
Signature Date 3/6/14
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes and actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Samy A. Paul
Signature and Seal of Professional Surveyor
Date of Survey
Certificate Number 15079
MAX 26, 2011

APD Data

OPERATOR NAME / NUMBER: Occidental Permian LTD OGAID:157984

LEASE NAME / NUMBER: Pooh 27 State 1

STATE: NM

COUNTY: Eddy

SURFACE LOCATION: 1206' FNL & 1757' FEL, Sec 27, T17S, R28E

BOTTOM HOLE LOCATION: 992' FNL & 1692' FEL, Sec 27, T17S, R28E

APPROX GR ELEV: 3600.4'

EST KB ELEV: 3614.4' (14' 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 Name	Top TVD	Expected Fluids
Yates	520	-
Seven Rivers	712	-
Queen	1310	-
Grayburg	1725	Oil
San Andres	2005	Oil/Water
Glorieta	3430	Oil
Paddock	3510	Oil
Blinberry	3995	Oil
Tubb	5040	Oil
TD	5200	TD

A. Fresh Water formation is outcropping and will be covered with the 16" conductor pipe, which will be set at 80' prior to spud.

GREATEST PROJECTED TD: 5219' MD / 5200' TVD

OBJECTIVE: Yeso

3. CASING PROGRAM

Surface Casing set at $\pm$ 400' MD/ 400' TVD in a 11" hole filled with 8.8 ppg mud

Interval (MD)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Condition	Jt Str (M-lbs)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
0' - 400'	8.625	24	J55	LTC	8.097	New	244	2950	1370	1.42	11.58	2.67

Production Casing set at $\pm$ 5219' MD / 5200' TVD in a 7.875" hole filled 9.6 ppg mud

Interval (MD)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Condition	Jt Str (M-lbs)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
0' - 5219'	5.5	17	L80	BTC	4.892	New	428	7740	6290	1.28	2.34	2.27

Casing Design Assumptions:

Burst Loads

CSG Test (Surface)

- Internal: Displacement fluid + one-third of its burst rating
- External: Pore Pressure from section TD to surface

CSG Test (Production)

- Internal: Displacement fluid + 80% CSG Burst rating
- External: Pore Pressure from the well TD the Surface CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Gas Kick (Surface)

- 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
- 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 surface CSG shoe and 8.5 ppg MWE to surface

Collapse Loads

Lost Circulation (Surface)

- 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 surface 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/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/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/Production)

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

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

4. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' – 400' (150% Excess)	210	400	Premium Plus Cement: 2% Calcium Chloride – Flake	6.39	14.8	1.34	1648 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' – 3000' (100% Excess)	410	3000	Econocem (TM) System: 0.25 lbm D-AIR 5000	13.88	11.9	2.43	258 psi
Tail: 3000' - 5219' (100% Excess)	500	2219	Premium Plus Cement: 0.5% Halad ®-344, 0.2% WellLife 734, 5 lbm Microbond, 0.3% Econolite, 0.3% CFR-3	7.72	14.2	1.55	1697 psi

Description of Cement Additives: Calcium Chloride – Flake (Accelerator), D-AIR 5000 (Defoamer), Halad ®-344 (Low Fluid Loss Control), WellLife 734 (Cement Enhancer), Microbond (Expander), Econolite (Light Weight Additive), CFR-3 (Dispersant)

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

5. DIRECTIONAL PLAN

See directional plan attached.

6. PRESSURE CONTROL EQUIPMENT

Surface: 0' – 400' None.

Production: 400' MD/TVD – 5219' MD / 5200' TVD 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. The BOP and ancillary BOPE will be tested by a third party after setting 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.
- b. The surface casing string will be tested to one-third of its burst rating for 30 minutes.
- c. The BOPE test will be repeated within 21 days of the original test, on the first trip.
- d. Other accessory BOP equipment will include a floor safety valve, choke lines, and choke manifold having a 3000 psi working pressure rating and tested to 3000 psi.
- e. The Operator also requests a variance to connect the BOP choke outlet to the choke manifold using a 3" co-flex hose with a working pressure of 3000 psi.
- f. BOP & Choke manifold diagrams attached.

7. MUD PROGRAM:

Depth	Mud Wt ppg	Vis Sec	Fluid Loss	Type System
0' – 400'	8.4 – 8.8	32 – 34	NC	Fresh Water / Spud Mud
400' – 4700'	9.6 – 10	28 – 32	NC	Brine Water / Salt Gel / Sweeps
4700' – TD	9.6 – 10	40 – 45	< 15	Brine Water / Salt Gel / 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. 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.

9. POTENTIAL HAZARDS:

- a. Hydrogen Sulfide detection/ breathing equipment will be in operation and on location from drilling out the surface casing shoe until the production casing has been cemented.
- b. No abnormal temperatures or pressures are anticipated. The highest anticipated pressure gradient is 0.5 psi/ft. Maximum anticipated bottom hole pressure is between 2000 - 2750 psi.
- c. 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.

10. WIRELINE LOGGING / MUD LOGGING / LWD

- a. OH logs: Spectral GR/Density/Neutron/PEF/Caliper/Laterolog from 2,000' to TD
- b. Mud logging from 2000' to TD

COMPANY PERSONNEL:

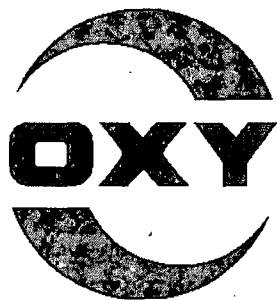
Name	Title	Office Phone	Mobile Phone
Kacie Cruz	Drilling Engineer	(713)350-4889	(281) 433-6594
Sebastian Millan	Drilling Engineer Supervisor	(713)350-4950	(832) 528-3268
Roger Allen	Drilling Superintendent	(713)215-7617	(281) 682-3919
Oscar Quintero	Drilling Manager	(713)985-6343	(713) 689-4946



Weatherford

Drilling Services

Proposal



OCCIDENTAL PERMIAN LTD.

POOH 27 STATE #1

EDDY COUNTY, NEW MEXICO

WELL FILE: PLAN 2

FEBRUARY 26, 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



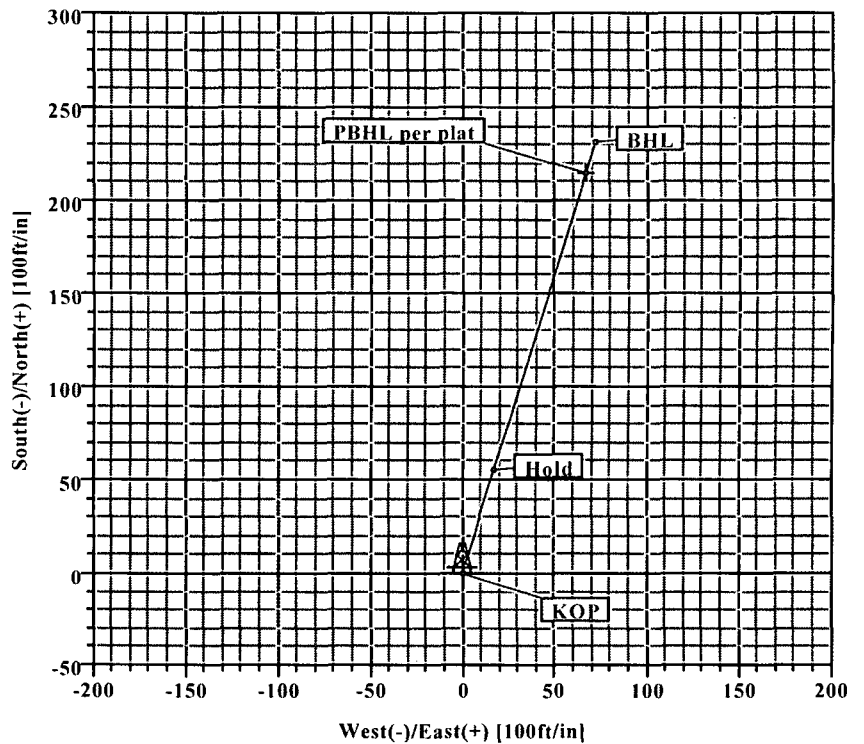
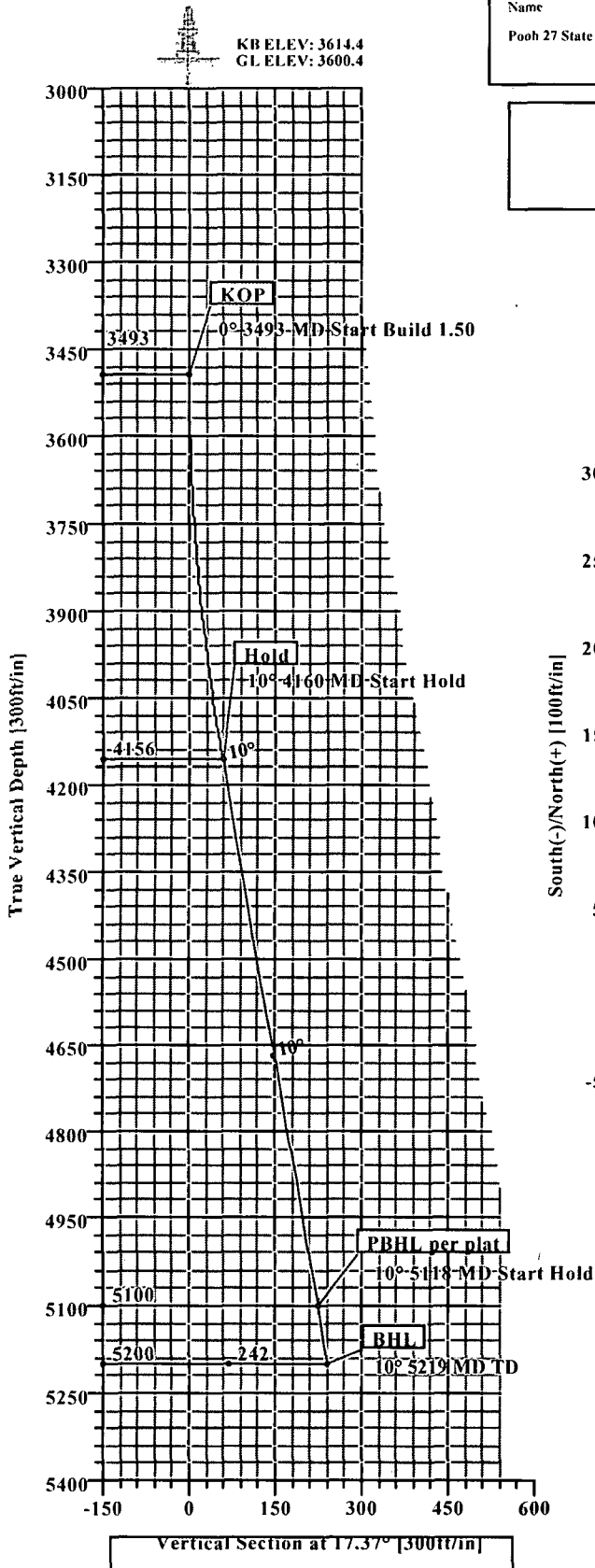
Pooh 27 State #1 Eddy Co., NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DI.eg	TFace	VSec	Target
1	0.00	0.00	17.37	0.00	0.00	0.00	0.00	0.00	0.00	
2	3492.99	0.00	17.37	3492.99	0.00	0.00	0.00	0.00	0.00	
3	4159.66	10.00	17.37	4156.28	55.38	17.32	1.50	17.37	58.03	
4	5117.94	10.00	17.37	5100.00	214.20	67.00	0.00	0.00	224.43	PBHL per plat
5	5219.48	10.00	17.37	5200.00	231.03	72.26	0.00	0.00	242.07	

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Pooh 27 State #1	0.00	0.00	658200.10	553071.90	32°48'33.701N	104°09'38.147W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL per plat	5100.00	214.20	67.00	658414.30	553138.90	Point

SITE DETAILS	
Pooh 27 State #1	
Site Centre Northing:	658200.10
Easting:	553071.90
Ground Level:	3600.40
Positional Uncertainty:	0.00
Convergence:	0.09



Weatherford



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 2/26/2014	Time: 07:57:32	Page: 1
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Pooh 27 State #1	Grid North
Site: Pooh 27 State #1	Vertical (TVD) Reference:	SITE 3614.4	
Well: Pooh 27 State #1	Section (VS) Reference:	Well (0.00N,0.00E,17.37Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #2	Date Composed: 2/26/2014
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Pooh 27 State #1

Site Position:	Northing: 658200.10 ft	Latitude: 32 48 33.701 N
From: Map	Easting: 553071.90 ft	Longitude: 104 9 38.147 W
Position Uncertainty: 0.00 ft	North Reference: Grid	
Ground Level: 3600.40 ft	Grid Convergence: 0.09 deg	

Well: Pooh 27 State #1	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 48 33.701 N
+E/-W 0.00 ft	Longitude: 104 9 38.147 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 2/20/2014	Above System Datum: Mean Sea Level
Field Strength: 48660 nT	Declination: 7.57 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.56 deg
ft	+N/-S ft
0.00	+E/-W ft
	Direction deg
	17.37

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	17.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3492.99	0.00	17.37	3492.99	0.00	0.00	0.00	0.00	0.00	0.00	
4159.66	10.00	17.37	4156.28	55.38	17.32	1.50	1.50	0.00	17.37	
5117.94	10.00	17.37	5100.00	214.20	67.00	0.00	0.00	0.00	0.00	PBHL per plat
5219.48	10.00	17.37	5200.00	231.03	72.26	0.00	0.00	0.00	0.00	

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	17.37	0.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
100.00	0.00	17.37	100.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
200.00	0.00	17.37	200.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
300.00	0.00	17.37	300.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
400.00	0.00	17.37	400.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
500.00	0.00	17.37	500.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
600.00	0.00	17.37	600.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
700.00	0.00	17.37	700.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
800.00	0.00	17.37	800.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
900.00	0.00	17.37	900.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1000.00	0.00	17.37	1000.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1100.00	0.00	17.37	1100.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1200.00	0.00	17.37	1200.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1300.00	0.00	17.37	1300.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1400.00	0.00	17.37	1400.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1500.00	0.00	17.37	1500.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1600.00	0.00	17.37	1600.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1700.00	0.00	17.37	1700.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1800.00	0.00	17.37	1800.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
1900.00	0.00	17.37	1900.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
2000.00	0.00	17.37	2000.00	0.00	0.00	0.00	0.00	658200.10	553071.90	
2100.00	0.00	17.37	2100.00	0.00	0.00	0.00	0.00	658200.10	553071.90	



Casing Points				
MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd	Date: 2/26/2014	Time: 07:57:32	Page: 3
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference: Well: Pooh 27 State #1	Grid: North	
Site: Pooh 27 State #1	Vertical (TVD) Reference: SITE 3614.4		
Well: Pooh 27 State #1	Section (VS) Reference: Well (0.00N,0.00E-17.37Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Annotation

MD ft	TVD ft	
3492.99	3492.99	KOP
4159.66	4156.28	Hold
5117.94	5100.00	PBHL per plat
5219.48	5200.00	BHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

GeoDec v5.03

Report Date: February 20, 2014
 Job Number: _____
 Customer: Occidental Permian Ltd.
 Well Name: Pooh 27 State #1
 API Number: _____
 Rig Name: _____
 Location: Eddy Co, NM (Nad 27)
 Block: _____
 Engineer: Patrick Rudolph

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 658200.100 USFT	Latitude 32.8093615 DEG
East/West 553071.900 USFT	Longitude -104.1605963 DEG
Grid Convergence: .09°	
<u>Total Correction: +7.58°</u>	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.80936° N	32° 48 min 33.701 sec
Longitude =	104.16060° W	104° 9 min 38.147 sec

Magnetic Declination =	7.67°	[True North Offset]	
Local Gravity =	.9989 g	Checksum =	6650
Local Field Strength =	48603 nT	Magnetic Vector X =	23691 nT
Magnetic Dip =	60.54°	Magnetic Vector Y =	3189 nT
Magnetic Model =	bggm2013	Magnetic Vector Z =	42318 nT
Spud Date =	Jun 01, 2014	Magnetic Vector H =	23905 nT

Signed: _____

Date: _____

Permit Conditions of Approval

API: 30-015-4255

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string