

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **OXY USA Inc.**

16696

3a. Address
P.O. Box 50250 Midland, TX 79710

3b. Phone No. (include area code)
432-685-5717

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

S-1723 FWL 1819 FWL SENW(F) Sec 20 T23S R31E
BH-1980 FWL 990 FWL SWNW(E) " " "

5. Lease Serial No.

NMNM 38463

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Pure Gold B Federal #16

9. API Well No.

30-015 - 38555

10. Field and Pool, or Exploratory Area

Sand Dunes Delaware, W.

11. County or Parish, State

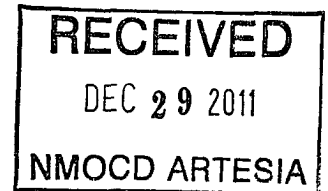
Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Move Surf Loc.
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	And TD, Prod.
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	Csg & Cmt

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED



Accepted for record
NMOCD
JCS 1/20/2012

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title Regulatory Advisor

Signature

David Stewart

Date

12/15/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

DEC 27 2011

WESLEY W. INGRAM
PETROLEUM ENGINEER

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Amended Drilling Permit Information

Operator Name/Number: OXY USA Inc. 16696

Lease Name/Number: Pure Gold B Federal # 16 Federal Lease No. NMNM38463

Pool Name/Number: Sand Dunes Delaware, West

Surface Location: 1723 FNL 1819 FWL SENW(F) Sec 20 T23S R31E

PBH Location: 1980 FNL 990 FWL SWNW(E) Sec 20 T23S R31E

C-102 Plats: 12/12/11 12/13/11 12/14/11 Elevation: 3325.8' GR

SL - Lat: 32.2923493 Long: 103.8020071 X=664184.6 Y=470480.4 NAD - 1927

PBHL- Lat: 32.2916379 Long: 103.8046873 X=663357.6 Y=470217.6 NAD - 1927

U.S.G.S Topographic Map: Los Medanos

Proposed TD: 8241' TMD 8088' TVD

Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Condition</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
7-7/8"	8241' MD	5-1/2"	17#	LTC	J55	New	1.34	1.37	1.63
	DVT-6050' TVD								
	POST-4100' TVD								

Cement Program

- c. 5-1/2" Production Cement 1st stage w/ 480 sx Super H w/ .5% Halad R344 + .4% CFR-3 + 3#/sx Kol-Seal + 1#/sx Salt + .2% HR-601, 13.2ppg 1.63 yield 1817psi 24hr CS 100% Excess Calc TOC 6050'
- Cement 2nd stage w/ 620sx Super H w/ .5% Halad R-344 + .4% CFR-3 + .25#/sx Gilsonite + .125 #/sx Poly-E-Flake, 13.2ppg 1.63 yield 1536psi 24hr CS 200% Excess Clac TOC 4100'
- Cement 3rd stage w/ 430sx HES light PPT, 12.4ppg 2.01 yield 560psi 24hr CS 35% Excess followed by 100sx PPC, 14.8ppg 1.33 yield 1600psi 24hr CS 35% Excess Calc TOC @ Surface

The above cement volumes could be revised pending the caliper measurement.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesio, 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 30-015-38555	Pool Code 53815	Pool Name Sand Dunes Delaware, West
Property Code 304928	Property Name PURE GOLD B FED.	Well Number 16
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3325.8'

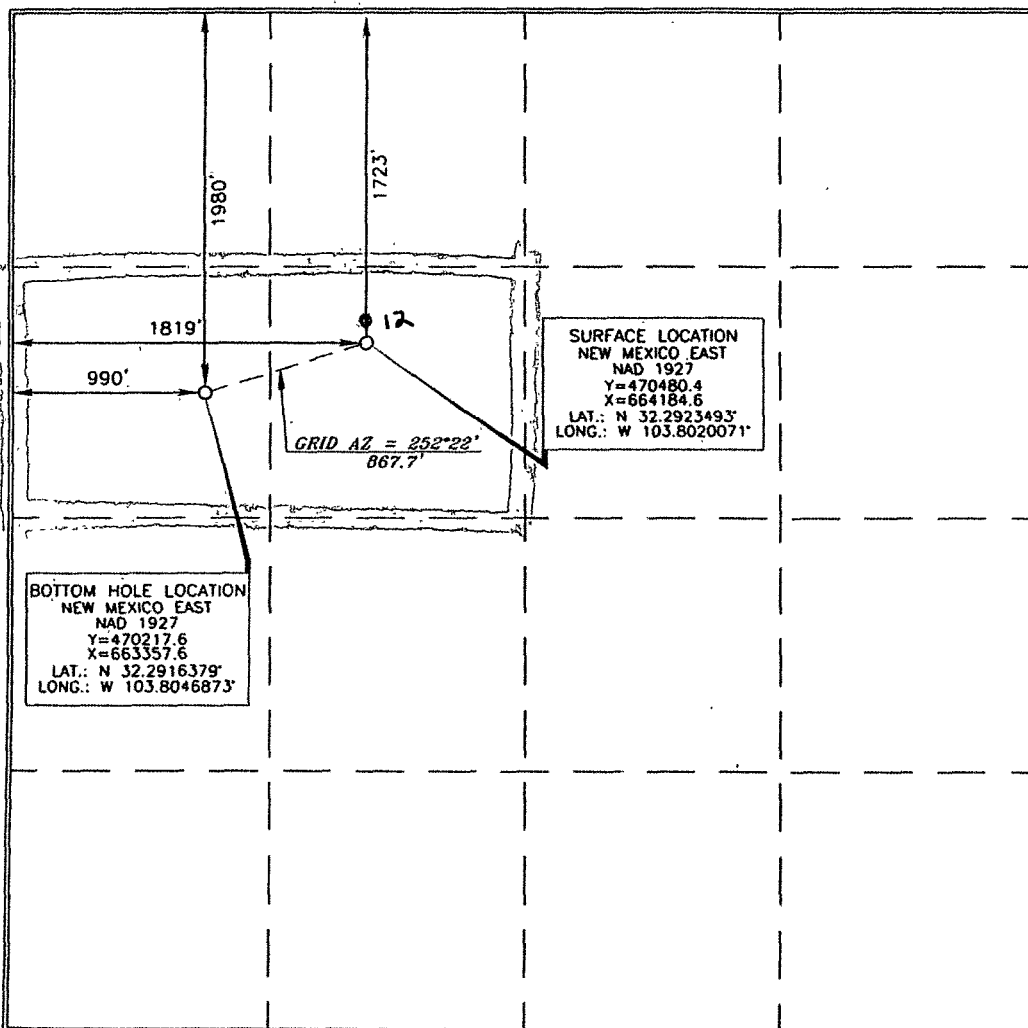
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	23 SOUTH	31 EAST, N.M.P.M.		1723'	NORTH	1819'	WEST	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
E	20	23 SOUTH	31 EAST, N.M.P.M.		1980'	NORTH	990'	WEST	EDDY
Dedicated Acres 80	Joint or Infill Yes	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] 12/15/11
Signature Date
David Stewart - Res. Advisor
Printed Name

SURVEYOR CERTIFICATION

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

RECEIVED
DECEMBER 12, 2011
Date of Survey
Signature and Seal of Professional Surveyor
[Signature] 12/13/2011
Certificate Number 15079



Scientific Drilling

OXY

Pure Gold

Pure Gold B Federal #16

PGBF#16

Original Wellbore

Plan: Final Design (Rev.2 New Surf Grid)

Standard Planning Report

14 December, 2011





Scientific Drilling

Project: Pure Gold
 Site: Pure Gold B Federal #16
 Well: PGBF#16
 Wellbore: Original Wellbore
 Design: Final Design (Rev.2 New Surf Grid)



PROJECT DETAILS: Pure Gold

Geodetic System US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

SECTION DETAILS

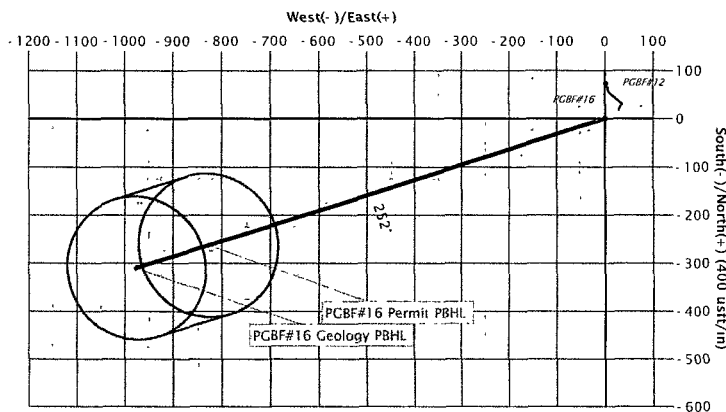
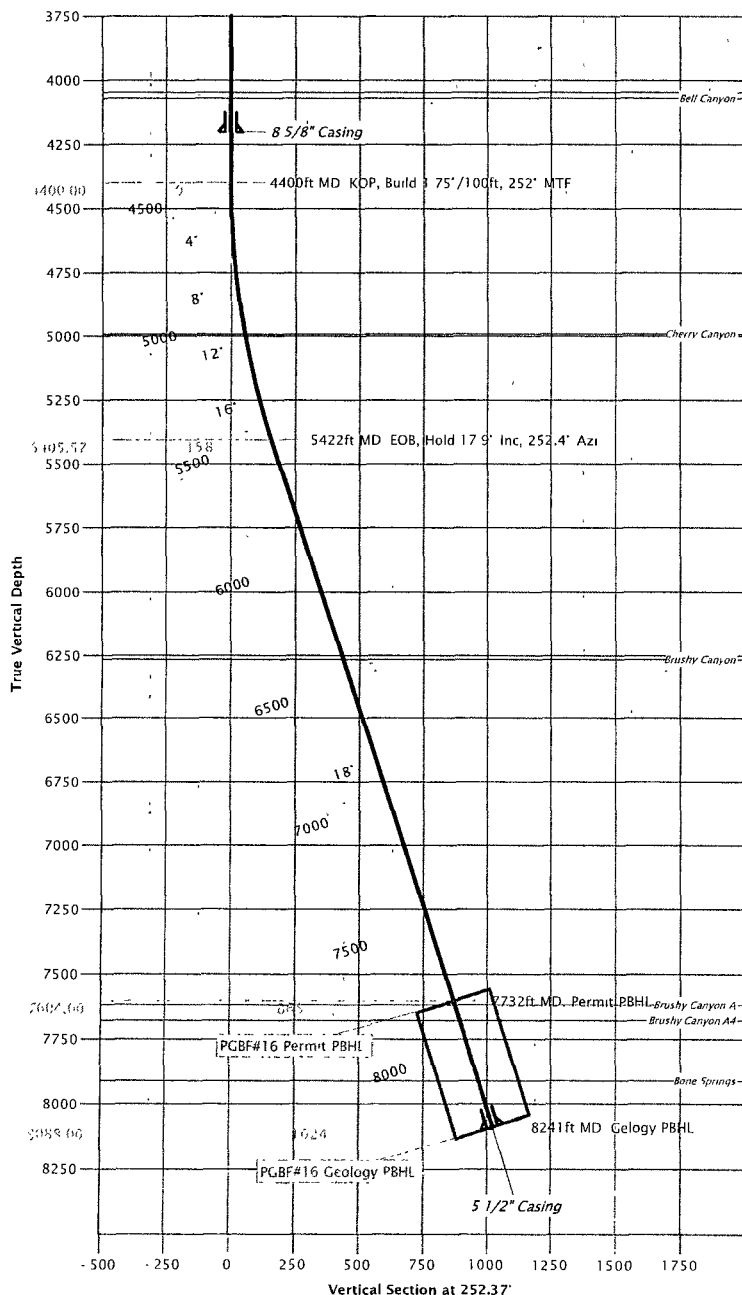
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLS	VS	Target
0 00	0 00	0.00	0 00	0 00	0 00	0 00	0.00	
4400.00	0 00	0.00	4400 00	0.00	0.00	0.00	0 00	
5422 09	17 89	252 37	5405 57	-47.93	-150.81	1.75	158.25	PGBF#16 Permit PBHL
7732.18	17 89	252 37	7604 00	-262.80	-827 00	0.00	867 75	PGBF#16 Geology PBHL
8240 76	17.89	252.37	8088 00	-310.11	-975 87	0 00	1023.95	

SITE DETAILS: Pure Gold B Federal #16

Sec 20 (F), T23S, R31E, NMPM
 Eddy Co., New Mexico
 Northing 470480 40
 Easting 664184 60
 Elevation 3325 80
 KB, DFE @ 3341 80usft (H&P- 345 DFE 16 5ft)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PGBF#16 Permit PBHL - plan hits target center	7604 00	-262 80	-827 00	470217.60	663357.60	Circle (Radius 150 00)
PGBF#16 Geology PBHL - plan hits target center	8088 00	-310.11	-975.87	470170 29	663208.73	Point



FORMATION TOP DETAILS

TVD	MD	Formation
481.80	481 80	Rustler
4046 80	4046 80	Lamar
4069.80	4069 80	Bell Canyon
4991.80	4995 07	Cherry Canyon
6265 80	6326 01	Brushy Canyon
7618.80	7747 73	Brushy Canyon A
7677 80	7809 72	Brushy Canyon A4
7908 80	8052.46	Bone Springs

CASING DETAILS

TVD	MD	Size
500 00	500 00	11-3/4
4200.00	4200.00	8-5/8
8088 00	8240.76	5-1/2



Azimuths to Grid North
 True North - 0 28'
 Magnetic North - 7 35'

Magnetic Field
 Strength 48582 8snT
 Dip Angle 60.20'
 Date 2011/12/15
 Model IGRF2010

Database:	EDM-MPF	Local Co-ordinate Reference:	Well PGBF#16
Company:	OXY	TVD Reference:	DFE @ 3341'80usft (H&P-345 DFE 16'5ft)
Project:	Pure Gold	MD Reference:	DFE @ 3341'80usft (H&P-345 DFE 16'5ft)
Site:	Pure Gold B Federal #16	North Reference:	Grid
Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Final Design (Rev.2 New Surf Grid)		

Project:	Pure Gold New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Pure Gold B Federal #16, Sec 20 (F), T23S, R31E, NMPM			
Site Position:		Northing:	470,480.40 usft	Latitude: 32° 17' 32.457 N
From:	Map	Easting:	664,184.60 usft	Longitude: 103° 48' 7.225 W
Position Uncertainty:	0.00 usft	Slot Radius:	0 "	Grid Convergence: 0.28 °

Well:	PGBF#16			
Well Position	+N/-S	0.00 usft	Northing:	470,480.40 usft
	+E/-W	0.00 usft	Easting:	664,184.60 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	Ground Level: 3,325.80 usft

Wellbore:	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/12/15	7.64	60.20	48,583

Design:	Final Design (Rev.2 New Surf Grid)			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	252.37

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,422.09	17.89	252.37	5,405.57	-47.93	-150.81	1.75	1.75	0.00	252.37	
7,732.18	17.89	252.37	7,604.00	-262.80	-827.00	0.00	0.00	0.00	0.00	PGBF#16 Permit PBI
8,240.76	17.89	252.37	8,088.00	-310.11	-975.87	0.00	0.00	0.00	0.00	PGBF#16 Geology Pt

Database:	EDM-MPF	Local Co-ordinate Reference:	Well: PGBF#16
Company:	OXY	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Project:	Pure Gold	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Site:	Pure Gold B Federal #16	North Reference:	Grid
Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Final Design (Rev 2 New Surf Grid)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
481.80	0.00	0.00	481.80	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
11 3/4" Casing									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,046.80	0.00	0.00	4,046.80	0.00	0.00	0.00	0.00	0.00	0.00
Lamar									
4,069.80	0.00	0.00	4,069.80	0.00	0.00	0.00	0.00	0.00	0.00
Bel Canyon									
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8" Casing									
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00

Database:	EDM-MPF	Local Co-ordinate Reference:	Well-PGBF#16
Company:	OXY	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE-16.5ft)
Project:	Pure Gold	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE-16.5ft)
Site:	Pure Gold B Federal #16	North Reference:	Grid
Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Final Design (Rev 2 New Surf Grid)		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4400ft MD: KOP: Build 1.75°/100ft, 252° MTF									
4,500.00	1.75	252.37	4,499.98	-0.46	-1.46	1.53	1.75	1.75	0.00
4,600.00	3.50	252.37	4,599.88	-1.85	-5.82	6.11	1.75	1.75	0.00
4,700.00	5.25	252.37	4,699.58	-4.16	-13.09	13.73	1.75	1.75	0.00
4,800.00	7.00	252.37	4,799.01	-7.39	-23.26	24.40	1.75	1.75	0.00
4,900.00	8.75	252.37	4,898.06	-11.54	-36.32	38.10	1.75	1.75	0.00
4,995.07	10.41	252.37	4,991.80	-16.33	-51.40	53.93	1.75	1.75	0.00
Cherry Canyon									
5,000.00	10.50	252.37	4,996.65	-16.60	-52.25	54.82	1.75	1.75	0.00
5,100.00	12.25	252.37	5,094.68	-22.58	-71.05	74.55	1.75	1.75	0.00
5,200.00	14.00	252.37	5,192.06	-29.45	-92.69	97.25	1.75	1.75	0.00
5,300.00	15.75	252.37	5,288.71	-37.23	-117.15	122.92	1.75	1.75	0.00
5,400.00	17.50	252.37	5,384.52	-45.89	-144.42	151.53	1.75	1.75	0.00
5,422.09	17.89	252.37	5,405.57	-47.93	-150.81	158.25	1.75	1.75	0.00
5422ft MD: EOB: Hold 17.9° Inc, 252.4° Azi									
5,500.00	17.89	252.37	5,479.71	-55.17	-173.62	182.18	0.00	0.00	0.00
5,600.00	17.89	252.37	5,574.88	-64.47	-202.89	212.89	0.00	0.00	0.00
5,700.00	17.89	252.37	5,670.05	-73.78	-232.16	243.60	0.00	0.00	0.00
5,800.00	17.89	252.37	5,765.21	-83.08	-261.43	274.32	0.00	0.00	0.00
5,900.00	17.89	252.37	5,860.38	-92.38	-290.70	305.03	0.00	0.00	0.00
6,000.00	17.89	252.37	5,955.55	-101.68	-319.97	335.74	0.00	0.00	0.00
6,100.00	17.89	252.37	6,050.71	-110.98	-349.25	366.46	0.00	0.00	0.00
6,200.00	17.89	252.37	6,145.88	-120.28	-378.52	397.17	0.00	0.00	0.00
6,300.00	17.89	252.37	6,241.05	-129.58	-407.79	427.88	0.00	0.00	0.00
6,326.01	17.89	252.37	6,265.80	-132.00	-415.40	435.87	0.00	0.00	0.00
Brushy Canyon									
6,400.00	17.89	252.37	6,336.21	-138.89	-437.06	458.60	0.00	0.00	0.00
6,500.00	17.89	252.37	6,431.38	-148.19	-466.33	489.31	0.00	0.00	0.00
6,600.00	17.89	252.37	6,526.55	-157.49	-495.60	520.02	0.00	0.00	0.00
6,700.00	17.89	252.37	6,621.71	-166.79	-524.87	550.74	0.00	0.00	0.00
6,800.00	17.89	252.37	6,716.88	-176.09	-554.14	581.45	0.00	0.00	0.00
6,900.00	17.89	252.37	6,812.05	-185.39	-583.41	612.16	0.00	0.00	0.00
7,000.00	17.89	252.37	6,907.21	-194.70	-612.68	642.88	0.00	0.00	0.00
7,100.00	17.89	252.37	7,002.38	-204.00	-641.96	673.59	0.00	0.00	0.00
7,200.00	17.89	252.37	7,097.55	-213.30	-671.23	704.30	0.00	0.00	0.00
7,300.00	17.89	252.37	7,192.71	-222.60	-700.50	735.02	0.00	0.00	0.00
7,400.00	17.89	252.37	7,287.88	-231.90	-729.77	765.73	0.00	0.00	0.00
7,500.00	17.89	252.37	7,383.05	-241.20	-759.04	796.44	0.00	0.00	0.00
7,600.00	17.89	252.37	7,478.21	-250.51	-788.31	827.16	0.00	0.00	0.00
7,700.00	17.89	252.37	7,573.38	-259.81	-817.58	857.87	0.00	0.00	0.00
7,732.18	17.89	252.37	7,604.00	-262.80	-827.00	867.75	0.00	0.00	0.00
7732ft MD: Permit PBHL - PGBF#16 Permit PBHL									
7,747.73	17.89	252.37	7,618.80	-264.25	-831.55	872.53	0.00	0.00	0.00
Brushy Canyon A									
7,800.00	17.89	252.37	7,668.55	-269.11	-846.85	888.58	0.00	0.00	0.00
7,809.72	17.89	252.37	7,677.80	-270.01	-849.70	891.57	0.00	0.00	0.00
Brushy Canyon A4									
7,900.00	17.89	252.37	7,763.71	-278.41	-876.12	919.30	0.00	0.00	0.00
8,000.00	17.89	252.37	7,858.88	-287.71	-905.39	950.01	0.00	0.00	0.00
8,052.46	17.89	252.37	7,908.80	-292.59	-920.75	966.12	0.00	0.00	0.00
Bone Springs									
8,100.00	17.89	252.37	7,954.05	-297.01	-934.67	980.72	0.00	0.00	0.00
8,200.00	17.89	252.37	8,049.21	-306.32	-963.94	1,011.44	0.00	0.00	0.00

Database:	EDM-MPF	Local Co-ordinate Reference:	Well: PGBF#16
Company:	OXY	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Project:	Pure Gold	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Site:	Pure Gold B Federal #16	North Reference:	Grid
Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Final Design (Rev 2 New Surf Grid)		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,240.76	17.89	252.37	8,088.00	-310.11	-975.87	1,023.95	0.00	0.00	0.00
8241ft MD: Geology PBHL - 5 1/2" Casing - PGBF#16 Geology PBHL									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PGBF#16 Permit PBHL	- plan hits target center - Circle (radius 150.00)	17.89	72.37	7,604.00	-262.80	-827.00	470,217.60	663,357.60	32° 17' 29.897 N 103° 48' 16.875 W
PGBF#16 Geology PBH	- plan hits target center - Point	0.00	0.00	8,088.00	-310.11	-975.87	470,170.29	663,208.73	32° 17' 29.436 N 103° 48' 18.612 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
500.00	500.00	11-3/4" Casing	11-3/4	14-3/4	
4,200.00	4,200.00	8 5/8" Casing	8-5/8	10-5/8	
8,240.76	8,088.00	5 1/2" Casing	5-1/2	7-7/8	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
481.80	481.80	Rustler		0.00		
4,046.80	4,046.80	Lamar		0.00		
4,069.80	4,069.80	Bell Canyon		0.00		
4,995.07	4,991.80	Cherry Canyon		0.00		
6,326.01	6,265.80	Brushy Canyon		0.00		
7,747.73	7,618.80	Brushy Canyon A		0.00		
7,809.72	7,677.80	Brushy Canyon A4		0.00		
8,052.46	7,908.80	Bone Springs		0.00		



Scientific Drilling

OXY

Pure Gold

Pure Gold B Federal #16

PGBF#16

Original Wellbore

Final Design (Rev.2 New Surf Grid)

Anticollision Report

14 December, 2011



Company:	OXY	Local Co-ordinate Reference:	Well PGBF#16
Project:	Pure Gold	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE:16.5ft)
Reference Site:	Pure Gold B Federal #16	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE:16.5ft)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	Original Wellbore	Database:	EDM-MPF
Reference Design:	Final Design (Rev.2 New Surf Grid)	Offset TVD Reference:	Offset Datum

Reference	Final Design (Rev.2 New Surf Grid)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Circular Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program:	Date: 2011/12/14				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	500.00	Final Design (Rev.2 New Surf Grid) (Origin	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
500.00	8,240.76	Final Design (Rev.2 New Surf Grid) (Origin	SDI MWD	SDI MWD - Standard ver 1.0.1	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Pure Gold B Federal #12:						
PGBF#12 - Original Wellbore - As Drilled	4,409.90	4,398.59	46.52	32.97	3.433	CC, ES, SF

Offset Design											
Pure Gold B Federal #12 - PGBF#12 - Original Wellbore - As Drilled											
Survey Program: 100-SDI Standard Keeper-103											
Reference		Offset		Semi Major Axis		Distance		Minimum Separation		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	Offset Wellbore Centre -E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	1.41	73.10	1.80	74.07		
100.00	100.00	88.18	88.18	0.08	0.08	1.42	73.11	1.82	73.14	72.98	0.15
200.00	200.00	188.11	188.11	0.20	0.16	1.32	73.19	1.69	73.21	72.85	0.37
300.00	300.00	288.32	288.32	0.34	0.21	1.16	73.20	1.49	73.22	72.67	0.55
400.00	400.00	388.26	388.26	0.47	0.27	1.10	73.06	1.41	73.07	72.33	0.74
500.00	500.00	488.44	488.44	0.60	0.36	0.83	72.89	1.08	72.90	71.93	0.96
600.00	600.00	588.66	588.66	0.66	0.46	0.67	72.41	0.84	72.42	71.31	1.11
700.00	700.00	688.53	688.52	0.73	0.56	0.67	71.85	0.84	71.85	70.57	1.29
800.00	800.00	788.44	788.43	0.86	0.67	0.69	71.47	0.86	71.47	69.95	1.52
900.00	900.00	888.40	888.39	1.02	0.78	0.70	71.17	0.87	71.18	69.38	1.80
1,000.00	1,000.00	988.40	988.39	1.20	0.90	0.69	70.90	0.85	70.91	68.81	2.10
1,100.00	1,100.00	1,088.37	1,088.36	1.39	1.00	0.81	70.65	1.00	70.65	68.26	2.40
1,200.00	1,200.00	1,188.58	1,188.57	1.60	1.11	0.98	70.28	1.20	70.29	67.58	2.71
1,300.00	1,300.00	1,288.37	1,288.36	1.81	1.22	1.23	69.86	1.50	69.88	66.86	3.02
1,400.00	1,400.00	1,388.48	1,388.47	2.02	1.32	1.55	69.57	1.88	69.60	66.26	3.34
1,500.00	1,500.00	1,488.39	1,488.38	2.23	1.43	1.90	69.21	2.30	69.25	65.59	3.66
1,600.00	1,600.00	1,588.30	1,588.29	2.45	1.53	2.19	69.00	2.84	69.05	65.08	3.98
1,700.00	1,700.00	1,688.52	1,688.50	2.66	1.64	2.40	68.73	2.88	68.79	64.48	4.31
1,800.00	1,800.00	1,788.58	1,788.57	2.88	1.77	2.61	68.21	3.11	68.29	63.63	4.65
1,900.00	1,900.00	1,888.62	1,888.60	3.10	1.90	2.86	67.63	3.38	67.72	62.72	5.00
2,000.00	2,000.00	1,988.49	1,988.47	3.32	2.03	3.11	67.11	3.65	67.20	61.86	5.35
2,100.00	2,100.00	2,088.52	2,088.50	3.54	2.15	3.44	66.68	4.01	66.80	61.10	5.69
2,200.00	2,200.00	2,188.56	2,188.54	3.76	2.28	3.87	66.17	4.48	66.32	60.28	6.04
2,300.00	2,300.00	2,288.58	2,288.56	3.99	2.40	4.22	65.61	4.84	65.79	59.40	6.39
2,400.00	2,400.00	2,388.31	2,388.29	4.21	2.52	4.48	65.23	5.12	65.43	58.70	6.73

Company:	OXY	Local Co-ordinate Reference:	Well PGBF#16
Project:	Pure Gold	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE: 16.5ft)
Reference Site:	Pure Gold B Federal #16	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE: 16.5ft)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	Original Wellbore	Database:	EDM-MPF
Reference Design:	Final Design (Rev.2 New Surf Grid)	Offset TVD Reference:	Offset Datum

Offset Design: Pure Gold B Federal #12 - PGBF#12 - Original Wellbore - As Drilled													Offset Site Error:	0.00 usft
Survey Program: 100-SDI Standard Keeper-103													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre N-S (usft)	Offset Wellbore Centre E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,500.00	2,500.00	2,488.34	2,488.31	4.43	2.63	4.82	65.08	5.49	65.31	58.25	7.06	9.252		
2,600.00	2,600.00	2,588.24	2,588.21	4.65	2.73	5.28	64.92	5.99	65.20	57.81	7.39	8.828		
2,607.37	2,607.37	2,595.60	2,595.57	4.67	2.74	5.32	64.92	6.04	65.20	57.79	7.41	8.799		
2,700.00	2,700.00	2,688.16	2,688.13	4.88	2.82	5.73	64.92	6.52	65.25	57.56	7.69	8.482		
2,800.00	2,800.00	2,788.59	2,788.55	5.10	2.91	5.96	64.72	6.75	65.07	57.06	8.01	8.123		
2,900.00	2,900.00	2,889.02	2,888.98	5.32	3.03	6.00	63.83	6.71	64.19	55.84	8.35	7.690		
3,000.00	3,000.00	2,989.00	2,988.96	5.54	3.13	5.87	62.60	6.44	62.94	54.26	8.68	7.253		
3,100.00	3,100.00	3,088.81	3,088.76	5.77	3.23	5.53	61.58	5.96	61.87	52.88	8.99	6.879		
3,200.00	3,200.00	3,188.96	3,188.91	5.99	3.33	5.25	60.61	5.57	60.87	51.55	9.32	6.533		
3,300.00	3,300.00	3,288.96	3,288.90	6.21	3.45	5.67	59.39	5.90	59.69	50.03	9.66	6.176		
3,400.00	3,400.00	3,388.96	3,388.89	6.44	3.58	6.66	58.12	6.78	58.52	48.51	10.02	5.843		
3,500.00	3,500.00	3,488.06	3,488.97	6.66	3.70	7.98	56.71	7.95	57.27	46.91	10.37	5.525		
3,600.00	3,600.00	3,589.27	3,589.15	6.89	3.83	9.77	54.94	9.46	55.76	45.04	10.72	5.203		
3,700.00	3,700.00	3,689.18	3,689.02	7.11	3.96	11.97	52.93	11.22	54.11	43.05	11.07	4.890		
3,800.00	3,800.00	3,789.28	3,789.08	7.33	4.08	14.58	50.84	13.22	52.53	41.12	11.42	4.602		
3,900.00	3,900.00	3,889.17	3,888.93	7.56	4.21	17.49	48.60	15.31	50.96	39.19	11.77	4.331		
4,000.00	4,000.00	3,989.04	3,988.75	7.78	4.33	20.33	46.59	17.26	49.68	37.57	12.11	4.101		
4,100.00	4,100.00	4,088.98	4,088.67	8.01	4.46	22.94	44.80	18.96	48.65	36.19	12.47	3.903		
4,200.00	4,200.00	4,188.91	4,188.57	8.23	4.59	25.31	43.18	20.43	47.77	34.96	12.82	3.727		
4,300.00	4,300.00	4,288.89	4,288.53	8.45	4.71	27.87	41.58	21.99	47.03	33.86	13.17	3.572		
4,400.00	4,400.00	4,388.71	4,388.33	8.68	4.84	30.32	40.16	23.49	46.53	33.01	13.52	3.442		
4,409.90	4,409.90	4,398.59	4,398.20	8.70	4.85	138.17	40.06	23.62	46.52	32.97	13.55	3.433 CC, ES, SF		
4,500.00	4,499.98	4,488.61	4,488.22	8.88	4.96	141.23	39.13	24.86	47.54	33.69	13.85	3.433		
4,600.00	4,599.88	4,588.41	4,588.00	9.07	5.08	146.32	38.15	26.28	51.29	37.13	14.16	3.623		
4,700.00	4,699.58	4,688.04	4,687.62	9.27	5.21	151.95	37.31	27.56	58.07	43.60	14.47	4.012		
4,800.00	4,799.01	4,787.39	4,786.96	9.47	5.33	157.30	36.51	28.75	68.06	53.26	14.80	4.599		
4,900.00	4,898.06	4,886.43	4,885.99	9.68	5.45	161.83	35.76	29.78	81.28	66.15	15.13	5.372		
5,000.00	4,996.65	4,985.09	4,984.64	9.90	5.58	165.41	35.09	30.56	97.62	82.14	15.48	6.307		
5,100.00	5,094.68	5,082.79	5,082.34	10.14	5.70	168.23	34.44	31.28	117.14	101.30	15.84	7.394		
5,200.00	5,192.06	5,180.06	5,179.60	10.40	5.82	170.48	33.78	32.18	139.97	123.74	16.23	8.626		
5,300.00	5,288.71	5,276.60	5,276.13	10.69	5.94	172.15	33.30	32.91	165.81	149.18	16.63	9.969		
5,400.00	5,384.52	5,372.14	5,371.67	11.01	6.06	173.44	32.91	33.61	194.69	177.62	17.07	11.406		
5,422.09	5,405.57	5,393.11	5,392.64	11.08	6.09	173.69	32.83	33.77	201.48	184.31	17.17	11.734		
5,500.00	5,479.71	5,467.41	5,466.94	11.36	6.18	174.49	32.53	34.31	225.67	208.13	17.54	12.667		
5,600.00	5,574.88	5,562.66	5,562.19	11.74	6.30	175.26	32.21	34.82	256.63	238.60	18.03	14.232		
5,700.00	5,670.05	5,657.94	5,657.46	12.13	6.42	175.87	31.88	35.29	287.56	269.02	18.55	15.503		
5,800.00	5,765.21	5,753.34	5,752.86	12.55	6.54	176.36	31.50	35.66	318.42	299.34	19.09	16.684		
5,900.00	5,860.38	5,848.69	5,848.22	12.98	6.66	176.73	31.30	35.87	349.21	329.57	19.64	17.781		
6,000.00	5,955.55	5,944.11	5,943.63	13.42	6.79	177.03	31.12	36.02	379.96	359.75	20.21	18.801		
6,100.00	6,050.71	6,040.18	6,039.71	13.88	6.89	177.31	30.76	36.10	410.59	389.82	20.77	19.765		
6,200.00	6,145.88	6,136.39	6,135.91	14.35	6.96	177.52	30.49	35.84	440.94	419.63	21.31	20.692		
6,300.00	6,241.05	6,231.66	6,231.18	14.84	7.00	177.69	30.26	35.52	471.25	449.41	21.84	21.581		
6,400.00	6,336.21	6,327.18	6,326.70	15.33	7.06	177.87	29.82	35.22	501.51	479.12	22.39	22.399		
6,500.00	6,431.38	6,422.29	6,421.81	15.83	7.12	178.02	29.48	34.92	531.81	508.85	22.95	23.169		
6,600.00	6,526.55	6,518.33	6,517.85	16.34	7.17	178.14	29.23	34.52	562.05	538.54	23.51	23.906		
6,700.00	6,621.71	6,614.99	6,614.51	16.86	7.22	178.26	28.80	34.00	592.13	568.05	24.08	24.589		
6,800.00	6,716.88	6,712.46	6,711.97	17.39	7.28	178.36	28.15	33.23	621.91	597.25	24.67	25.214		
6,900.00	6,812.05	6,808.12	6,807.62	17.92	7.34	178.50	27.33	32.38	651.54	626.28	25.26	25.793		
7,000.00	6,907.21	6,902.79	6,902.29	18.46	7.41	178.62	26.45	31.61	681.23	655.36	25.87	26.334		
7,100.00	7,002.38	6,999.69	6,999.17	19.00	7.49	178.75	25.36	30.85	710.88	684.38	26.49	26.833		
7,200.00	7,097.55	7,094.56	7,094.03	19.55	7.58	178.88	24.08	30.12	740.47	713.35	27.13	27.295		
7,300.00	7,192.71	7,190.97	7,190.43	20.10	7.67	179.01	22.71	29.39	770.07	742.29	27.77	27.728		

Company:	OXY	Local Co-ordinate Reference:	Well PGBF#16
Project:	Pure Gold	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16'5ft)
Reference Site:	Pure Gold B Federal #16	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16'5ft)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Original Wellbore	Database:	EDM-MPF
Reference Design:	Final Design (Rev.2 New Surf Grid)	Offset TVD Reference:	Offset Datum

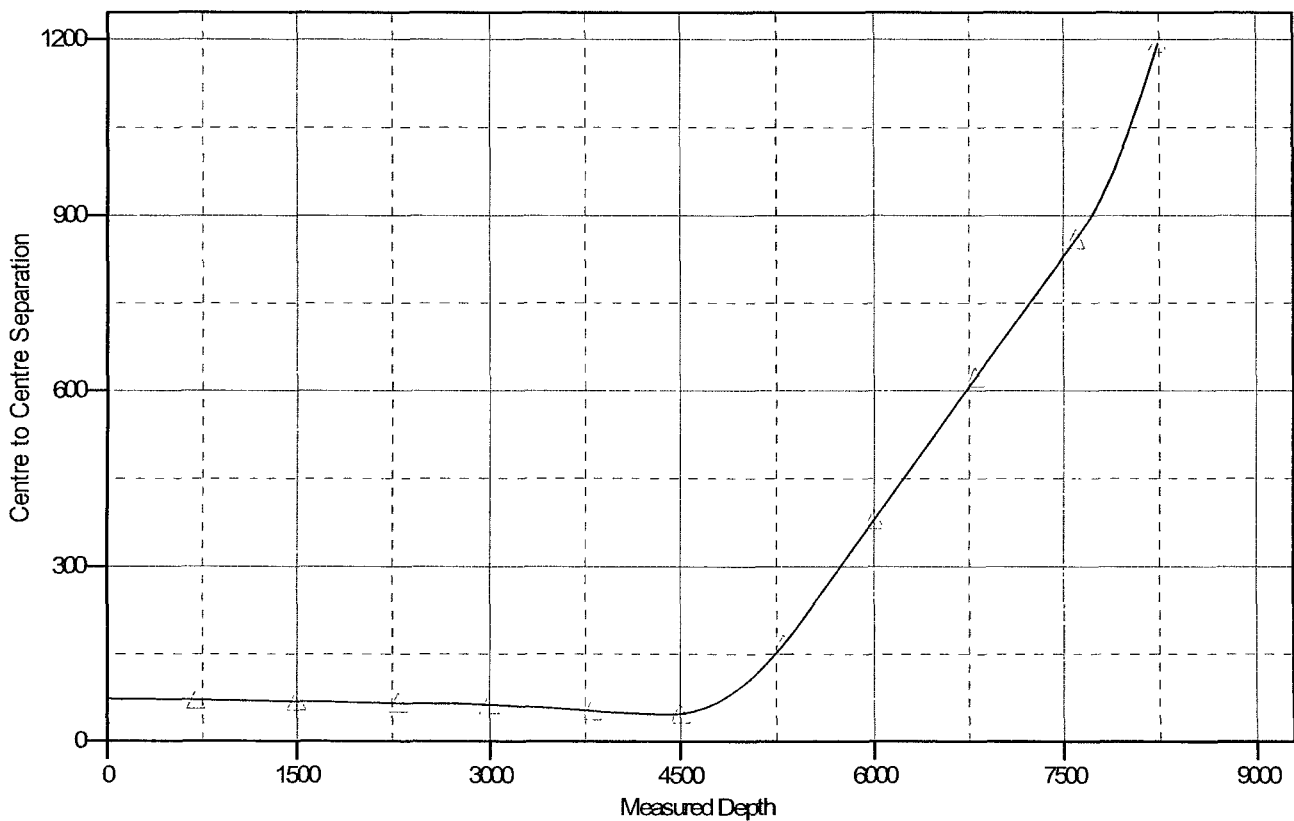
Offset Design												Offset Site Error:	0.00 usft
Pure Gold B Federal #12 PGBF#12 - Original Wellbore - As Drilled												Offset Well Error:	0.00 usft
Survey Program: 100-SD Standard Keeper-103													
Reference		Offset		Semi Major Axis		Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N-S	Centres	Centres	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
7,400.00	7,287.88	7,285.37	7,284.82	20.65	7.77	179.13	21.28	28.70	799.65	771.23	28.42	28.134	
7,500.00	7,383.05	7,382.16	7,381.59	21.21	7.87	179.26	19.59	28.09	829.27	800.19	29.08	28.513	
7,600.00	7,478.21	7,475.31	7,474.72	21.78	7.97	179.39	17.85	27.53	858.88	829.13	29.75	28.870	
7,700.00	7,573.38	7,520.00	7,519.41	22.34	8.02	179.45	17.02	27.34	890.12	859.75	30.37	29.312	
7,732.18	7,604.00	7,520.00	7,519.41	22.53	8.02	179.45	17.02	27.34	901.94	871.39	30.55	29.524	
7,800.00	7,668.55	7,520.00	7,519.41	22.91	8.02	179.45	17.02	27.34	930.03	899.09	30.94	30.063	
7,900.00	7,763.71	7,520.00	7,519.41	23.49	8.02	179.45	17.02	27.34	978.57	947.06	31.51	31.058	
8,000.00	7,858.88	7,520.00	7,519.41	24.06	8.02	179.45	17.02	27.34	1,034.52	1,002.44	32.08	32.245	
8,100.00	7,954.05	7,520.00	7,519.41	24.64	8.02	179.45	17.02	27.34	1,096.76	1,064.10	32.66	33.581	
8,200.00	8,049.21	7,520.00	7,519.41	25.22	8.02	179.45	17.02	27.34	1,164.27	1,131.03	33.24	35.027	
8,240.76	8,088.00	7,520.00	7,519.41	25.45	8.02	179.45	17.02	27.34	1,193.09	1,159.61	33.48	35.640	

Company:	OXY	Local/Co-ordinate Reference:	Well PGBF#16
Project:	Pure Gold	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Reference Site:	Pure Gold B Federal #16	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE 16.5ft)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Original Wellbore	Database:	EDM-MPF
Reference Design:	Final Design (Rev 2 New Surf Grid)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to DFE @ 3341.80usft (H&P-345 DFE:1
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: PGBF#16
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.28°

Ladder Plot



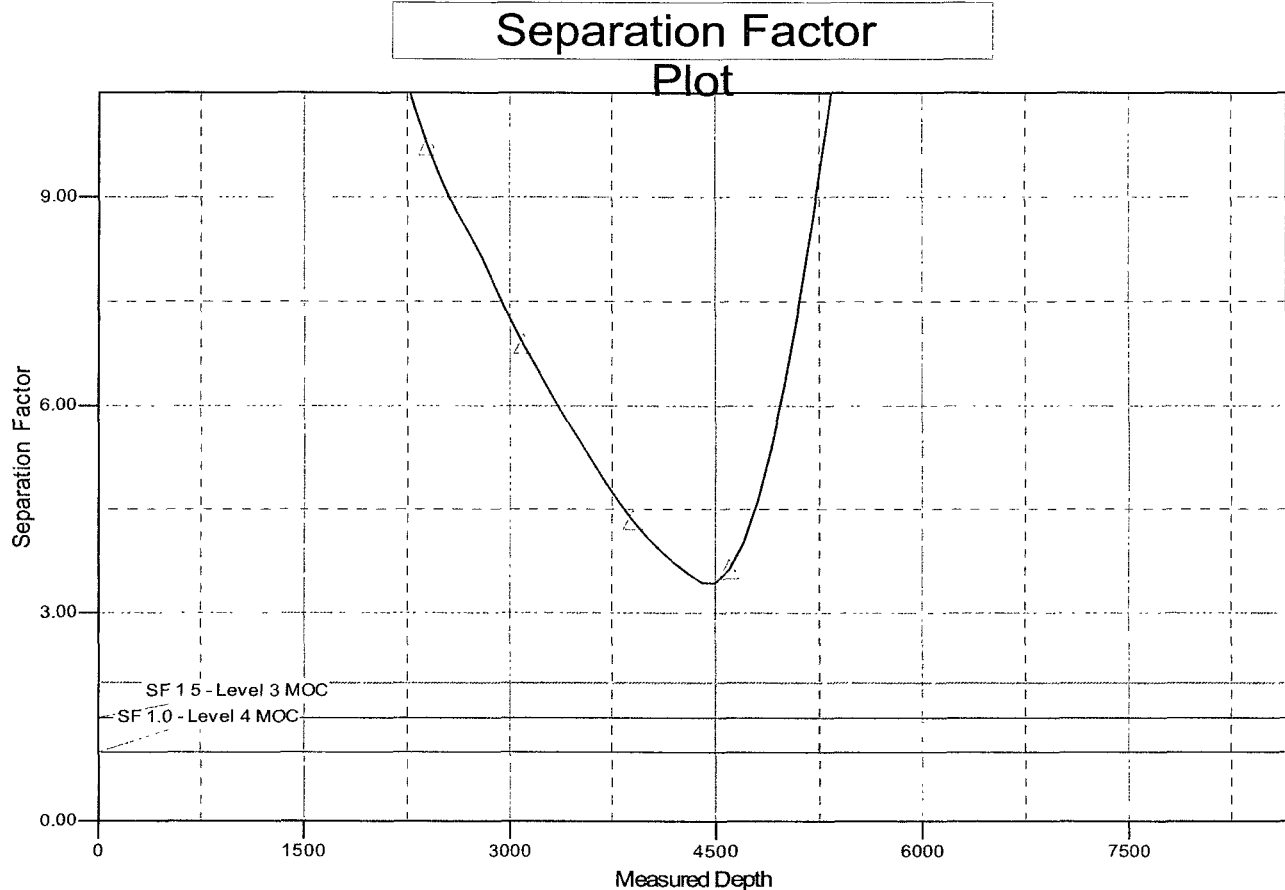
LEGEND

 PGBF#12, Original Wellbore, As Drilled VO

Company:	OXY	Local Co-ordinate Reference:	Well PGBF#16
Project:	Pure Gold	TVD Reference:	DFE @ 3341.80usft (H&P-345 DFE:16.5ft)
Reference Site:	Pure Gold B Federal #16	MD Reference:	DFE @ 3341.80usft (H&P-345 DFE:16.5ft)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	PGBF#16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	Original Wellbore	Database:	EDM-MPF
Reference Design:	Final Design (Rev 2 New Surf Grid)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to DFE @ 3341.80usft (H&P-345 DFE:1
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: PGBF#16
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.28°

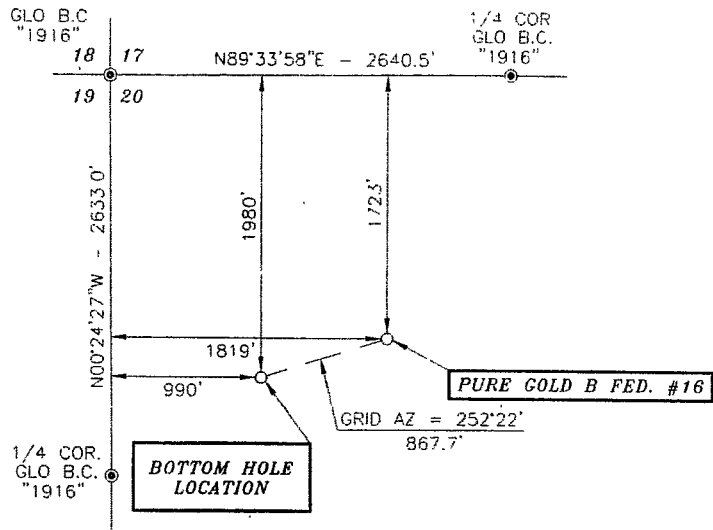


LEGEND

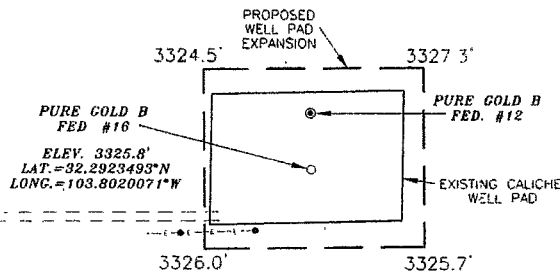
 PGBF#12, Original Wellbore, As Drilled V0

SECTION 20, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY
NEW MEXICO

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



EDDY CO. ROAD #787
(TWIN WELLS ROAD)



DIRECTIONS
 BEGINNING AT THE INTERSECTION
 OF HWY. #128 AND EDDY COUNTY
 ROAD #798 (RED ROAD), GO
 NORTHWEST ON HWY #128 FOR
 5.0 MILES, TURN LEFT AND GO
 SOUTH ON COUNTY ROAD #787
 FOR 0.5 MILES, TURN LEFT AND
 GO EAST ON LEASE ROAD FOR 0.1
 MILES TO LOCATION.

SCALE - 1" = 200'



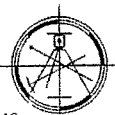
SURVEYORS CERTIFICATE

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 12/13/2011
 Terry J. Asel, N.M. R.P.S. No. 15079

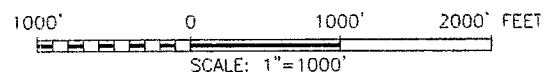
Asel Surveying

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



LEGEND

● - DENOTES FOUND MONUMENT AS NOTED



OXY USA, INC.

PURE GOLD B FED. #16 LOCATED AT
 1723' FNL & 1819' FWL IN SECTION 20
 TOWNSHIP 23 SOUTH, RANGE 31 EAST,
 N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 12/12/11	Sheet 1 of 1 Sheets
W.O. Number: 100119WL-c (Rev. B)	Drawn By: KA Rev: B
Date: 12/12/11	100119WL-c Scale: 1" = 1000'