

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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 abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

AUG 15 2012

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		RECEIVED
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-1300 FSL 330 FWL NWSW(4) Sec 1 T22S R72E B4-1650 FSL 330 FEL NESE(1) " " " 3		

5. Lease Serial No. NMM109758
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. Bootleg Gin Federal Cam #1H
9. API Well No. 30-025-40306
10. Field and Pool, or Exploratory Area Red Tank Bone Spring
11. County or Parish, State Len 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
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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.)

OXY USA Inc. respectfully requests to amend the APD for the Bootleg Gin Federal #1H, API No. 30-025-40306 to test the 2nd Bone Spring formation with the following changes.

- Amend the proposed TD's. Pilot Hole-11200'TVD - Horizontal Lateral-10810'-TVD 15190'-TMD
- See attached for the amended production casing & cementing programs.
- See attached for the amended proposed directional drilling plan.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) David Stewart		Title Regulatory Advisor
Signature 	Date 6/21/12	
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.	Petroleum Engineer 	Date AUG 13 2012 Is/ Chris Walls BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

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)

AUG 16 2012

-Sundry Notice-

Well Name: Bootleg Gin Federal Com #1H

STATE: NM

COUNTY: Lea

API: 30-025-40306

Changes from original APD:

Two recent notable successes in the vicinity of the Speakeasy Federal Unit have caused OXY Exploration to request a modification from the original drilling plan for the Bootleg Gin Federal Com #1H. Those two successes, the COG Airbonita 12 Fed 2H and Stratojet 31 State 3H, have completed high rate oil wells in the 1st Bone Spring Sand and 2nd Bone Spring Sand, respectively. The new plan should drill a pilot hole to a depth sufficient to test both of those intervals along with the original objective, Delaware - Brushy Canyon Sand. After drilling to a pilot TD, wireline logs will be run and an evaluation will be conducted to determine the best zone to complete. The primary objective will be the deepest of the objectives, the 2nd Bone Spring Sand. The proposed TD for the pilot hole is 11,200' TVD/MD. The proposed depth for the lateral is 10,810' TVD (-7138' SSTVD).

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

Formation	TV Depth Top	Expected Fluids
1 st Bone Spring Sand	9800	Oil & Gas
2 nd Bone Spring Sand	10530	Oil & Gas
3 rd Bone Spring Sand	11005	Oil & Gas
TD	11200	-

GREATEST PROJECTED TD 15190' MD/ 10810' TVD **OBJECTIVE:** 2nd Bone Spring

GREATEST PROJECTED TD "PILOT HOLE" 11200' TVD/MD **OBJECTIVE:** 3rd Bone Spring

2. CASING PROGRAM

Production Casing: 5.5" casing set at 15190' MD / 10810' TVD in an 8.75" hole filled with 8.6 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0' - 15190'	15190'	17	L80	BT&C	6290	7740	397	4.89	4.77	1.30	2.06	2.48

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

Pilot Hole Plug Back Cement Information to Kick Off at 10137' for lateral:

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Plug Back 11200' - 10137'							
Bottom: 11200' - 10700' (35% Excess)	330	500'	50/50 Poz Premium Cement: 0.15% HR-601, 0.3% CFR-3	5.80	14.40	1.25	1790 psi
Top: 10700' - 10137' (35% Excess)	280	563'	Premium Cement: 94 lbm/sk Premium Cement, 0.8% Halad®-322, 3.0% KCL, 0.3% HR-601	3.53	17.5	0.96	4183 psi

Excess has been calculated based on caliper logs

Production Interval:

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Production (TOC: 0' - 15190')							
St 3 - Lead: 0' – 4258' (35% Excess)	750	4258'	Light Premium Plus: 3 lbm/sk Salt	11.67	12.4	2.08	511 psi
St 3 - Tail: 4258' – 4760' (35% Excess)	150	502'	Premium Plus Cement: 2 % Calcium Chloride - Flake	6.39	14.8	1.35	2025 psi
POST TOOL SET AT 4760'							
St 2 - Lead: 4760' – 6733' (200% Excess)	710	1973'	Light Premium: 3 lbm/sk Kol-Seal, 3 lbm/sk Salt, 0.1% HR-601	11.71	12.4	2.11	431 psi
St 2 - Tail: 6733' – 7000' (200% Excess)	150	267'	Premium Plus Cement: 94 lbm/sk Premium Cement, 1 % Calcium Chloride - Flake	6.51	14.8	1.35	1907 psi
DV TOOL SET AT 7000'							
St 1 - Lead: 7000' – 10137' (135% Excess)	880	3137'	Light Premium: 3 lbm/sk Kol-Seal, 3 lbm/sk Salt, 0.5% HR-601	11.78	12.4	2.12	460 psi
St 1 - Tail: 10137' – 15190' (135% Excess)	1870	5053'	Super H Cement: 0.5% Halad(R)-344, 0.4% CFR-3, 3 lbm/sk Kol-Seal, 0.125 lbm/sk Poly-E- Flake, 0.2% HR-601	8.15	13.2	1.61	1477 psi

3. Cement and directional plans 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 30-025-40306	Pool Code 51683	Pool Name Red Tank Bone Spring
Property Code 3887	Property Name BOOTLEG GIN FEDERAL COM	Well Number 1H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3643.5'

Surface Location

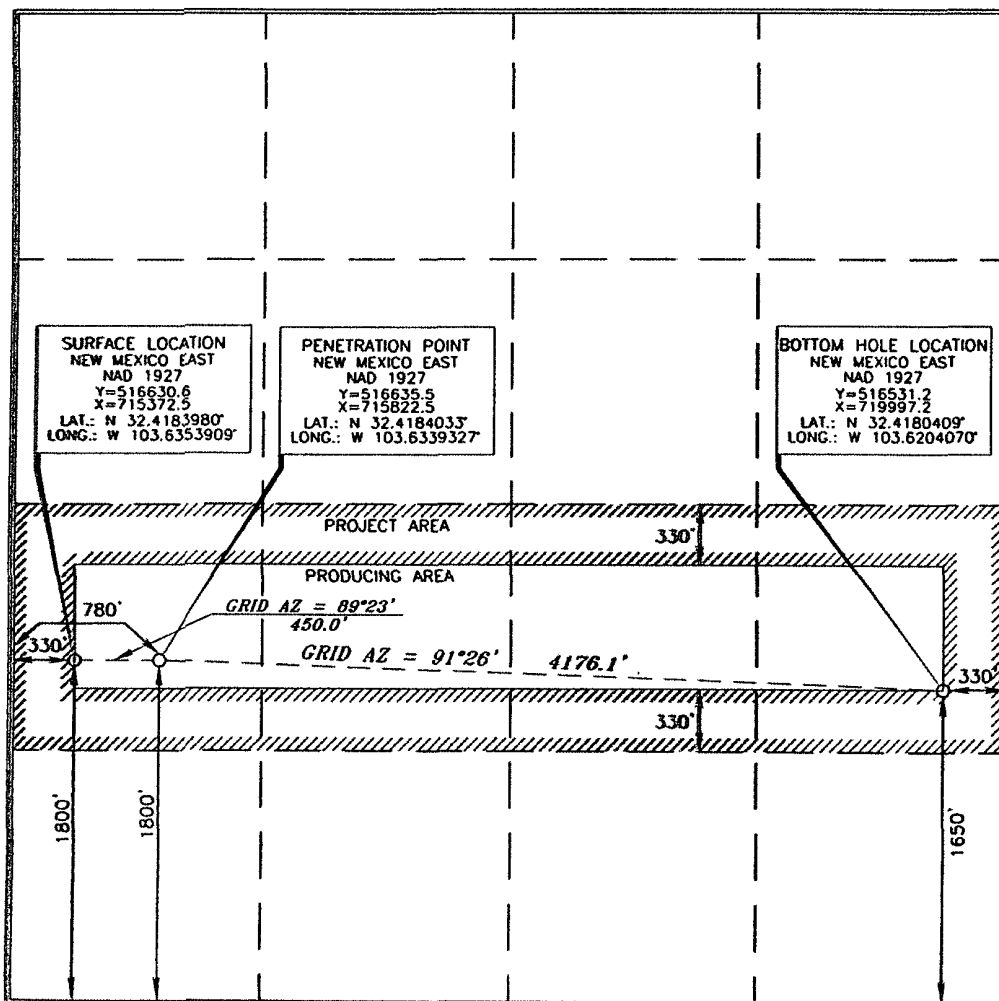
UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
L	1	22 SOUTH	32 EAST, N.M.P.M.		1800'	SOUTH	330'	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
1	1	22 SOUTH	32 EAST, N.M.P.M.		1650'	SOUTH	330'	EAST	LEA

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

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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.

David Stewart-Rey, II
Signature Date

David Stewart-Rey, II
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.

Terry J. Hall
Date of Survey 3/28/2011

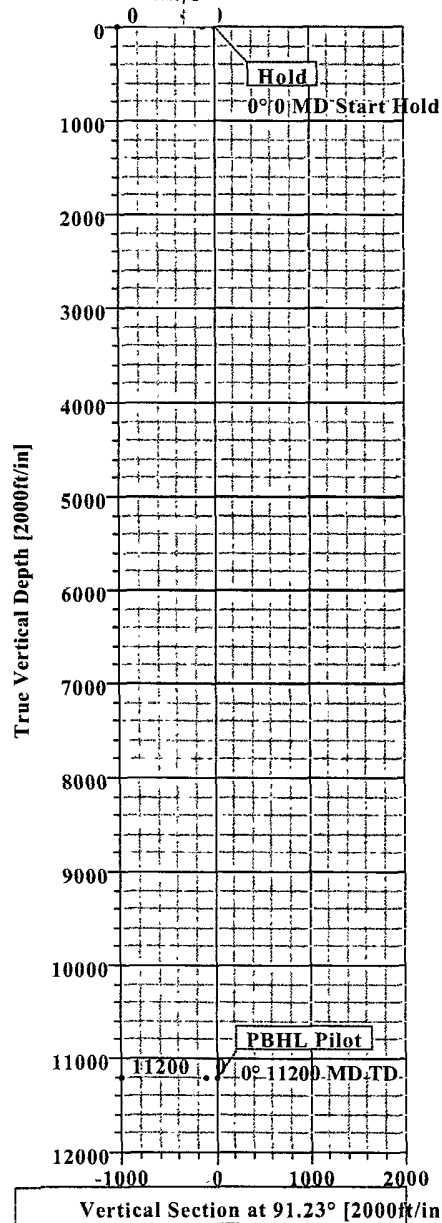
Signature and Seal of Professional Surveyor

Terry J. Hall
Certificate Number 15079



Occidental Permian Ltd.
Bootleg Gin Federal Com #1H
Lea Co, New Mexico

KB ELEV: 3668.50
GL ELEV: 3643.50



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	11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	0.00	0.00	

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#1H	0.00	0.00	516630.60	715372.50	32°25'06.233N	103°38'07.407W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
None						

LEGEND

- Plot Hole
- Plan #4

FIELD DETAILS

Lea Co, New Mexico (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

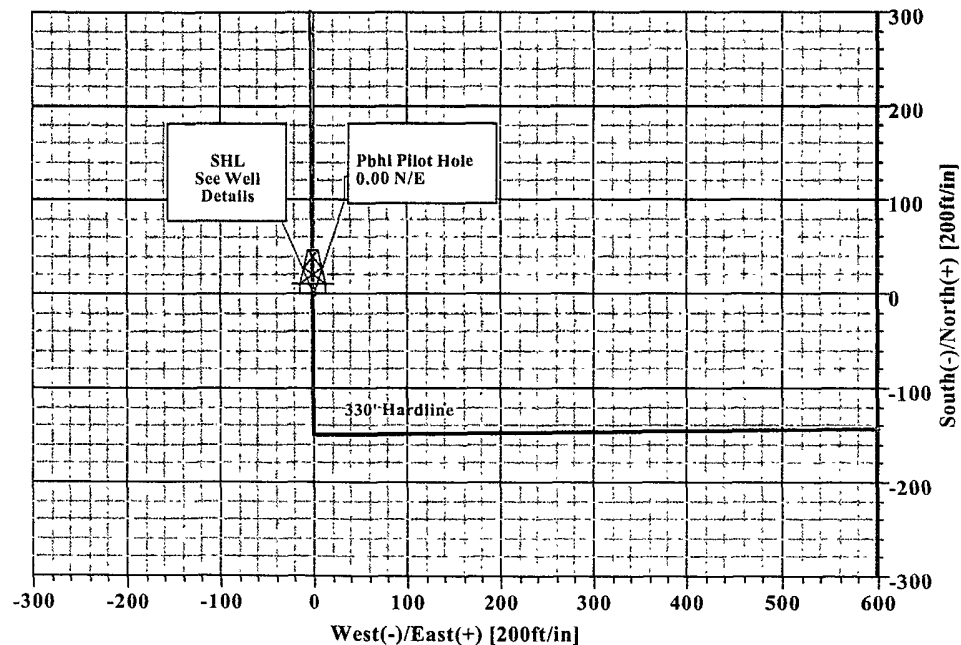
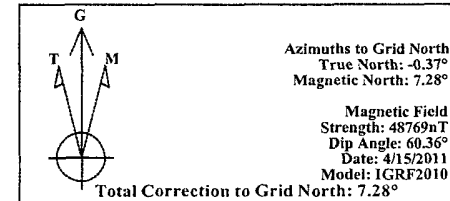
Bootleg Gin Federal Com #1H

Site Centre Northing: 516630.60
Easting: 715372.50

Ground Level: 3643.50
Positional Uncertainty: 0.00
Convergence: 0.37



Weatherford



Plan: Plan #4 (#1H/Plot Hole)

Created By: Russell W. Joyner

Date: 6/8/2012



Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. **Date:** 6/8/2012 **Time:** 07:47:29 **Page:** 1
Field: Lea Co, New Mexico (Nad 27) **Co-ordinate(NE) Reference:** Well: #1H, Grid-North
Site: Bootleg Gin Federal Com #1H **Vertical (TVD) Reference:** SITE 3668.5
Well: #1H **Section (VS) Reference:** Well(0.00N,0.00E,91.23Azi)
Wellpath: Plot Hole **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

Plan: Plan #4 **Date Composed:** 6/8/2012
Principal: Yes **Version:** 1
Tied-to: From Surface

Field: Lea Co, New Mexico (Nad 27)

Map System: US State Plane Coordinate System 1927 **Map Zone:** New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866) **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level **Geomagnetic Model:** IGRF2010

Site: Bootleg Gin Federal Com #1H

Site Position: **Northing:** 516630.60 ft **Latitude:** 32 25 6.233 N
From: Map **Easting:** 715372.50 ft **Longitude:** 103 38 7.407 W
Position Uncertainty: 0.00 ft **North Reference:** Grid
Ground Level: 3643.50 ft **Grid Convergence:** 0.37 deg

Well: #1H **Slot Name:**
Well Position: +N/-S 0.00 ft **Northing:** 516630.60 ft **Latitude:** 32 25 6.233 N
+E/-W 0.00 ft Easting: 715372.50 ft **Longitude:** 103 38 7.407 W
Position Uncertainty: 0.00 ft

Wellpath: Plot Hole **Drilled From:** Surface
Current Datum: SITE **Height:** 3668.50 ft **Tie-on Depth:** 0.00 ft
Magnetic Data: 4/15/2011 **Above System Datum:** Mean Sea Level
Field Strength: 48769 nT **Declination:** 7.65 deg
Vertical Section: Depth From (TVD) **Mag Dip Angle:** 60.36 deg
ft **+N/-S** **ft** **+E/-W** **Direction**
deg
 0.00 0.00 0.00 91.23

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	0.00	0.00	0.00	

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comments
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	516630.60	715372.50	Hold
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	



Weatherford

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd. Date: 6/8/2012 Time: 07:47:29 Page: 2
Field: Lea Co, New Mexico (Nad 27) Co-ordinate(NE) Reference: Well: #1H Grid: North
Site: Bootleg Gin Federal Com #1H Vertical(TVD) Reference: SITE 3668.5
Well: #1H Section(VS) Reference: Well(0.00N 0.00E 91.23Azi)
Wellpath: Plot Hole Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DES deg/100ft	MapN ft	MapE ft	Comment
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	



Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 6/8/2012 Time: 07:47:29 Page: 3
Field: Lea Co. New Mexico (Nad:27) Co-ordinate(NE) Reference: Well #1H Grid North
Site: Boodleg Gin Federal Com #1H Vertical (TVD) Reference: SITE 3668.5
Well: #1H Section (VS) Reference: Well (0.00N 0.00E 91.23Azi)
Wellpath: Plot Hole 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
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
8900.00	0.00	0.00	8900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9200.00	0.00	0.00	9200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9300.00	0.00	0.00	9300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9400.00	0.00	0.00	9400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9600.00	0.00	0.00	9600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9700.00	0.00	0.00	9700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9800.00	0.00	0.00	9800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
9900.00	0.00	0.00	9900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10000.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10100.00	0.00	0.00	10100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10200.00	0.00	0.00	10200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10300.00	0.00	0.00	10300.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10400.00	0.00	0.00	10400.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10500.00	0.00	0.00	10500.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10600.00	0.00	0.00	10600.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10700.00	0.00	0.00	10700.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10800.00	0.00	0.00	10800.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
10900.00	0.00	0.00	10900.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
11000.00	0.00	0.00	11000.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
11100.00	0.00	0.00	11100.00	0.00	0.00	0.00	0.00	516630.60	715372.50	
11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	0.00	516630.60	715372.50	PBHL Pilot

Targets

Name	Description	TVD	N/S	E/W	Map Northing	Map Easting	Latitude Deg Min Sec	Longitude Deg Min Sec
Dip	Dir							



Occidental Permian Ltd.
Bootleg Gin Federal Com #1H
Lea Co, New Mexico



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SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	10237.04	0.00	0.00	10237.04	0.00	0.00	0.00	0.00	0.00	
2	11137.04	90.00	91.23	10810.00	-12.31	572.83	10.00	91.23	572.96	
3	15189.85	90.00	91.23	10810.00	-99.40	4624.70	0.00	0.00	4625.77	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#1H	0.00	0.00	516630.60	715372.50	32°25'06.233N	103°38'07.407W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	10810.00	-99.40	4624.70	516531.20	719997.20	Point

LEGEND

- #1H (Plot Hole)
- Lateral
- Plan #5

FIELD DETAILS

Lea Co, New Mexico (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Bootleg Gin Federal Com #1H

Site Centre Northing: 516630.60
Easting: 715372.50

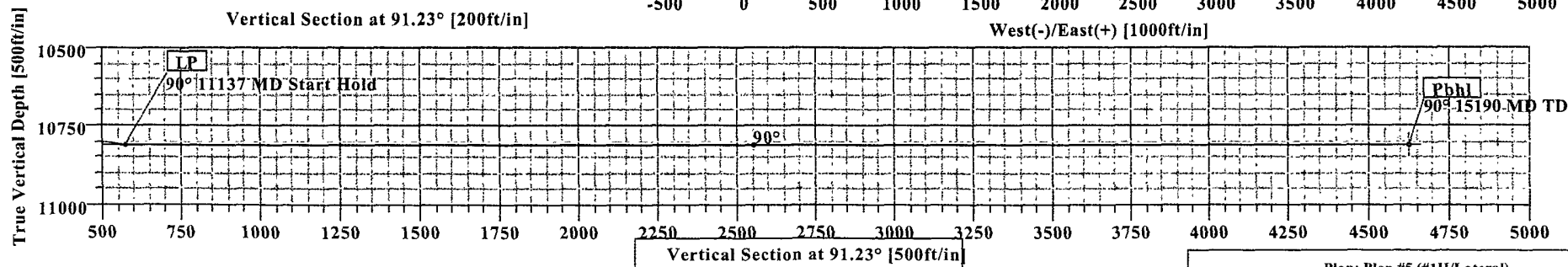
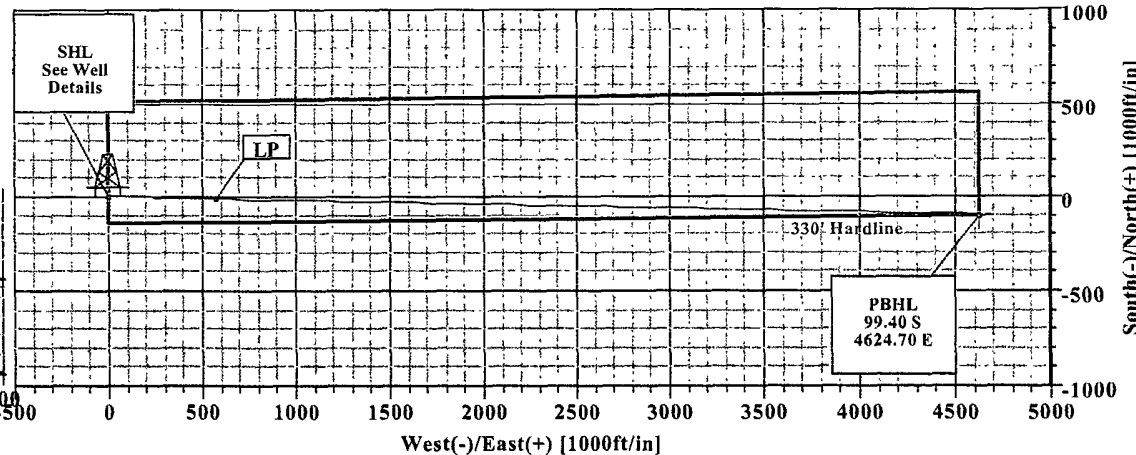
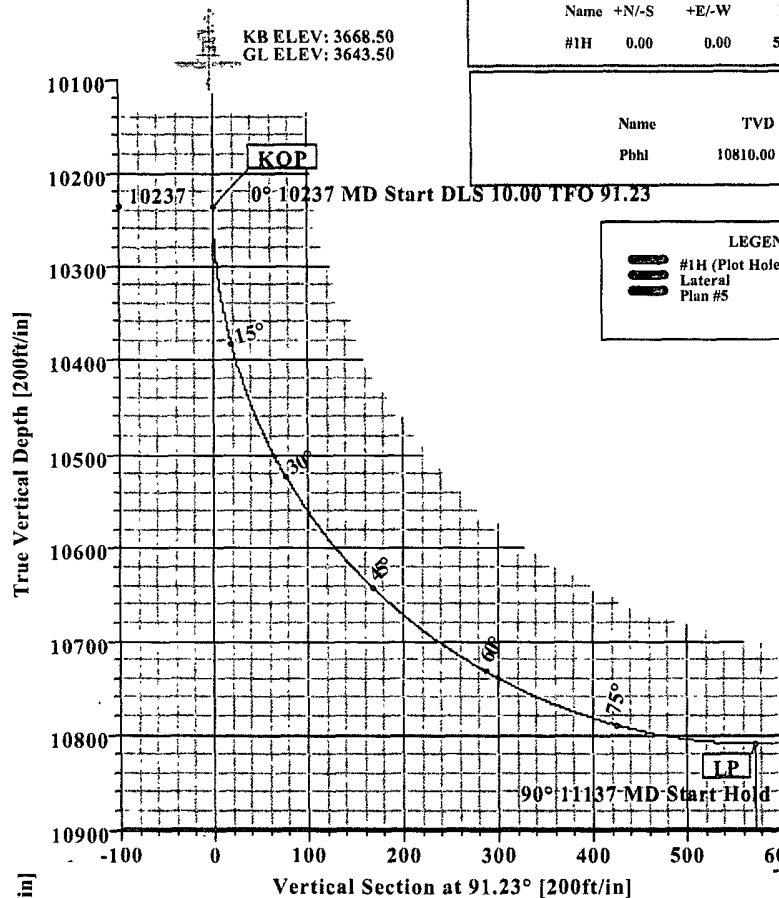
Ground Level: 3643.50
Positional Uncertainty: 0.00
Convergence: 0.37



Azimuths to Grid North
True North: -0.37°
Magnetic North: 7.28°

Magnetic Field
Strength: 48769nT
Dip Angle: 60.36°
Date: 4/15/2011
Model: IGRF2010

Total Correction to Grid North: 7.28°



Plan: Plan #5 (#1H/Lateral)

Created By: Russell W. Joyner

Date: 6/11/2012



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WFT Plan Report - X & Y's



Weatherford

Company: Occidental Petroleum Ltd	Date: 6/11/2012	Time: 10:07:33	Page: 1
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference: Well: #1H, Grid North		
Site: Bootleg Gin Federal Com #1H	Vertical (TVD) Reference: SITE 3668.5		
Well: #1H	Section (VS) Reference: Well (0.00N,0.00E,91.23Azi)		
Wellpath: Lateral	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #5	Date Composed: 6/8/2012
Principal: Yes	Version: 1
	Tied-to: User Defined

Field: Lea Co, New Mexico (Nad 27)	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site:		Bootleg Gin Federal Com #1H			
Site Position:		Northing:	516630.60 ft	Latitude:	32 25 6.233 N
From:	Map	Easting:	715372.50 ft	Longitude:	103 38 7.407 W
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	3643.50 ft			Grid Convergence:	0.37 deg

Well: #1H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	516630.60 ft	Latitude:	32 25	6.233 N
	+E/-W	0.00 ft	Easting :	715372.50 ft	Longitude:	103 38	7.407 W
Position Uncertainty:		0.00 ft					

Wellpath: Lateral		Drilled From:	Plot Hole
Current Datum: SITE	Height 3668.50 ft	Tie-on Depth:	10237.04 ft
Magnetic Data: 4/15/2011		Above System Datum:	Mean Sea Level
Field Strength: 48769 nT		Declination:	7.65 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle:	60.36 deg
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	91.23

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
10237.04	0.00	0.00	10237.04	0.00	0.00	0.00	0.00	0.00	0.00	
11137.04	90.00	91.23	10810.00	-12.31	572.83	10.00	10.00	10.14	91.23	
15189.85	90.00	91.23	10810.00	-99.40	4624.70	0.00	0.00	0.00	0.00	Pbhl

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
10237.04	0.00	0.00	10237.04	0.00	0.00	0.00	0.00	516630.60	715372.50	KOP
10250.00	1.30	91.23	10250.00	0.00	0.15	0.15	10.00	516630.60	715372.65	
10300.00	6.30	91.23	10299.87	-0.07	3.45	3.46	10.00	516630.53	715375.95	
10350.00	11.30	91.23	10349.27	-0.24	11.10	11.10	10.00	516630.36	715383.60	
10400.00	16.30	91.23	10397.81	-0.49	23.01	23.02	10.00	516630.11	715395.51	
10450.00	21.30	91.23	10445.13	-0.84	39.11	39.12	10.00	516629.76	715411.61	
10500.00	26.30	91.23	10490.87	-1.27	59.28	59.29	10.00	516629.33	715431.78	
10550.00	31.30	91.23	10534.67	-1.79	83.35	83.37	10.00	516628.81	715455.85	
10600.00	36.30	91.23	10576.21	-2.39	111.15	111.17	10.00	516628.21	715483.65	
10650.00	41.30	91.23	10615.16	-3.06	142.46	142.49	10.00	516627.54	715514.96	
10700.00	46.30	91.23	10651.24	-3.81	177.04	177.08	10.00	516626.79	715549.54	
10750.00	51.30	91.23	10684.17	-4.61	214.64	214.69	10.00	516625.99	715587.14	
10800.00	56.30	91.23	10713.69	-5.48	254.96	255.02	10.00	516625.12	715627.46	
10850.00	61.30	91.23	10739.59	-6.40	297.71	297.77	10.00	516624.20	715670.21	
10900.00	66.30	91.23	10761.66	-7.36	342.54	342.62	10.00	516623.24	715715.04	
10950.00	71.30	91.23	10779.74	-8.36	389.13	389.22	10.00	516622.24	715761.63	
11000.00	76.30	91.23	10793.69	-9.40	437.12	437.22	10.00	516621.20	715809.62	
11050.00	81.30	91.23	10803.40	-10.45	486.14	486.25	10.00	516620.15	715858.64	



Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 6/11/2012 Time: 10:07:33 Page: 2
 Field: Lea Co. New Mexico (Nad 27) Co-ordinate(N/E): Reference: Well: #1H; Grid North
 Site: Bootleg Gin Federal Com #1H Vertical (TVD) Reference: SITE 3668.5
 Well: #1H Section (VS) Reference: Well (0.00N,0.00E,91.23Azi)
 Wellpath: Lateral 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
11100.00	86.30	91.23	10808.80	-11.52	535.82	535.94	10.00	516619.08	715908.32	
11137.04	90.00	91.23	10810.00	-12.31	572.83	572.96	10.00	516618.29	715945.33	LP
11200.00	90.00	91.23	10810.00	-13.66	635.77	635.92	0.00	516616.94	716008.27	
11300.00	90.00	91.23	10810.00	-15.81	735.75	735.92	0.00	516614.79	716108.25	
11400.00	90.00	91.23	10810.00	-17.96	835.72	835.92	0.00	516612.64	716208.22	
11500.00	90.00	91.23	10810.00	-20.11	935.70	935.92	0.00	516610.49	716308.20	
11600.00	90.00	91.23	10810.00	-22.26	1035.68	1035.92	0.00	516608.34	716408.18	
11700.00	90.00	91.23	10810.00	-24.41	1135.66	1135.92	0.00	516606.19	716508.16	
11800.00	90.00	91.23	10810.00	-26.56	1235.63	1235.92	0.00	516604.04	716608.13	
11900.00	90.00	91.23	10810.00	-28.71	1335.61	1335.92	0.00	516601.89	716708.11	
12000.00	90.00	91.23	10810.00	-30.86	1435.59	1435.92	0.00	516599.74	716808.09	
12100.00	90.00	91.23	10810.00	-33.00	1535.56	1535.92	0.00	516597.60	716908.06	
12200.00	90.00	91.23	10810.00	-35.15	1635.54	1635.92	0.00	516595.45	717008.04	
12300.00	90.00	91.23	10810.00	-37.30	1735.52	1735.92	0.00	516593.30	717108.02	
12400.00	90.00	91.23	10810.00	-39.45	1835.49	1835.92	0.00	516591.15	717207.99	
12500.00	90.00	91.23	10810.00	-41.60	1935.47	1935.92	0.00	516589.00	717307.97	
12600.00	90.00	91.23	10810.00	-43.75	2035.45	2035.92	0.00	516586.85	717407.95	
12700.00	90.00	91.23	10810.00	-45.90	2135.42	2135.92	0.00	516584.70	717507.92	
12800.00	90.00	91.23	10810.00	-48.05	2235.40	2235.92	0.00	516582.55	717607.90	
12900.00	90.00	91.23	10810.00	-50.19	2335.38	2335.92	0.00	516580.41	717707.88	
13000.00	90.00	91.23	10810.00	-52.34	2435.36	2435.92	0.00	516578.26	717807.86	
13100.00	90.00	91.23	10810.00	-54.49	2535.33	2535.92	0.00	516576.11	717907.83	
13200.00	90.00	91.23	10810.00	-56.64	2635.31	2635.92	0.00	516573.96	718007.81	
13300.00	90.00	91.23	10810.00	-58.79	2735.29	2735.92	0.00	516571.81	718107.79	
13400.00	90.00	91.23	10810.00	-60.94	2835.26	2835.92	0.00	516569.66	718207.76	
13500.00	90.00	91.23	10810.00	-63.09	2935.24	2935.92	0.00	516567.51	718307.74	
13600.00	90.00	91.23	10810.00	-65.24	3035.22	3035.92	0.00	516565.36	718407.72	
13700.00	90.00	91.23	10810.00	-67.39	3135.19	3135.92	0.00	516563.21	718507.69	
13800.00	90.00	91.23	10810.00	-69.53	3235.17	3235.92	0.00	516561.07	718607.67	
13900.00	90.00	91.23	10810.00	-71.68	3335.15	3335.92	0.00	516558.92	718707.65	
14000.00	90.00	91.23	10810.00	-73.83	3435.12	3435.92	0.00	516556.77	718807.62	
14100.00	90.00	91.23	10810.00	-75.98	3535.10	3535.92	0.00	516554.62	718907.60	
14200.00	90.00	91.23	10810.00	-78.13	3635.08	3635.92	0.00	516552.47	719007.58	
14300.00	90.00	91.23	10810.00	-80.28	3735.06	3735.92	0.00	516550.32	719107.56	
14400.00	90.00	91.23	10810.00	-82.43	3835.03	3835.92	0.00	516548.17	719207.53	
14500.00	90.00	91.23	10810.00	-84.58	3935.01	3935.92	0.00	516546.02	719307.51	
14600.00	90.00	91.23	10810.00	-86.73	4034.99	4035.92	0.00	516543.87	719407.49	
14700.00	90.00	91.23	10810.00	-88.87	4134.96	4135.92	0.00	516541.73	719507.46	
14800.00	90.00	91.23	10810.00	-91.02	4234.94	4235.92	0.00	516539.58	719607.44	
14900.00	90.00	91.23	10810.00	-93.17	4334.92	4335.92	0.00	516537.43	719707.42	
15000.00	90.00	91.23	10810.00	-95.32	4434.89	4435.92	0.00	516535.28	719807.39	
15100.00	90.00	91.23	10810.00	-97.47	4534.87	4535.92	0.00	516533.13	719907.37	
15189.85	90.00	91.23	10810.00	-99.40	4624.70	4625.77	0.00	516531.20	719997.20	Pbhl

Targets

Name	Description	TVD	N/S	E/W	Map Northing	Map Easting	Latitude	Longitude
Dip	Dir	ft	ft	ft	ft	ft	Deg Min Sec	Deg Min Sec
Pbhl		10810.00	-99.40	4624.70	516531.20	719997.20	32 25 4.947 N	103 37 13.466 W

United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220

RE: Bootleg Gin Federal Com #1H
Section 1, 22S-32E
Lea County, New Mexico

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

OPERATOR NAME: OXY USA Inc
ADDRESS: P.O. Box 4294
Houston, Texas 77210-4294

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

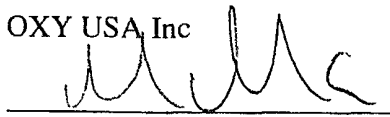
LEASE NO.: NMNM – 109758 (559.68 Acres)
NMNM – 106695 (160 Acres)

LEGAL DESCRIPTION: SL: 1800' FSL & 330' FWL NWSW (L)
PBHL: 1650' FSL & 330' FEL NESE (I)
Section 1 T22S-R32E
Lea County, New Mexico

FORMATIONS: Bone Springs

BOND COVERAGE: Statewide

BLM BOND FILE NO.: NMB000862

AUTHORIZED SIGNATURE: OXY USA, Inc

Michael Meir

TITLE: Land Negotiator

DATE: June 21th, 2012