

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 30-015-40164	Pool Code 60660	Pool Name Turkey Track Bone Spring
Property Code 39166	Property Name TURKEY TRACK "3" STATE	Well Number 32H
OCRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3383.8'

Surface Location

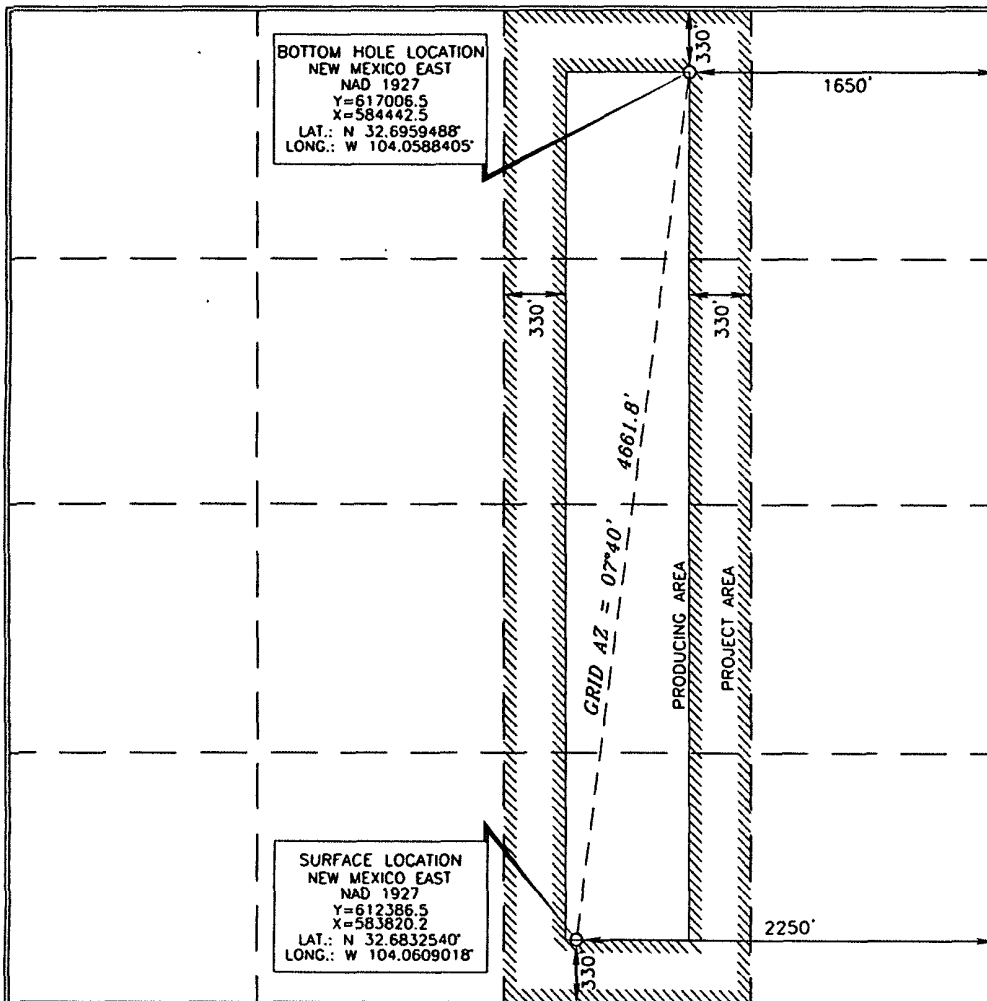
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	3	19 SOUTH	29 EAST, N.M.P.M.		330'	SOUTH	2250'	EAST	EDDY

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	3	19 SOUTH	29 EAST, N.M.P.M.		330'	NORTH	1650'	EAST	EDDY

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.

[Signature] 4/12/12
Signature Date

David Stewart - Reg. AGO.
Printed Name

SURVEYOR CERTIFICATION

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

15079
OCTOBER 7, 2011
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

15079
Certificate Number

WO# 111007WL-c (KA)

Operator Name/Number: **OXY USA WTP Limited Partnership** 192463
 Lease Name/Number: **Turkey Track 3 State #32H** State Lease No. BO-8867
 Pool Name/Number: **Turkey Track Bone Spring** 60660
 Surface Location: **330 FSL 2250 FEL O Sec 3 T19S R29E**
 Bottom Hole Location: **330 FNL 1650 FEL B Sec 3 T19S R29E**

C-102 Plats: 10/7/11 1/16/12 3/2/12 Elevation: 3383.8' GL

Proposed TD: 7860' TVD 12220' TMD
 SL - Lat:32.6832540 Long:104.0609018 X=583820.2 Y=612386.5 NAD - 1927
 BH - Lat:32.6959488 Long: 104.0588405 X=584442.5 Y=617006.5 NAD - 1927

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	305'	13-3/8"	48	ST&C	H-40	New	7.5	16.84	21.99
				Hole filled with 8.9# Mud			770#	1730#	
12-1/4"	3200'	9-5/8"	40	LT&C	J-55	New	1.5	2.62	3.93
				Hole filled with 10.0# Mud			2570#	3950#	
8-3/4"	12220'	5-1/2"	17	LT&C	N-80	New	2.28	2.81	1.67
				Hole filled with 9.2# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

- 13-3/8" Surface Circulate cement to surface w/ 430sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 1400# 24hr CS 150% Excess
- 9-5/8" Intermediate Circulate cement to surface w/ 960sx HES light PP cmt w/ 5% Salt + 5#/sx Kol-Seal + .5% Halad-344 + 1% CaCl₂ + .125#/sx Poly-E-Flake, 12.9ppg 1.87 yield 840# 24hr CS 125% Excess followed by 300sx PP cmt w/ .5% WellLife-734, 14.8ppg 1.33 yield 1343# 24hr CS 125% Excess
- 5-1/2" Production Cement w/ 710sx IFH cmt w/ 5#/sx Kol-Seal + .5% Halad R-322 + .3% HR-601, 11.9ppg 2.49 yield 390# 24hr CS 70% Excess followed by 1050sx Super H cmt w/ 0.5 Halad 344 + 3#/sx salt + 0.4% CFR 3 + 5#/sx Kol Seal + .3% HR-601, 13.2ppg 1.68 yield 1536# 24hr CS 50% Excess. Calc TOC 2700'

Proposed Mud Circulation System:

Depth	Mud Wt. ppq	Visc sec	Fluid Loss	Type System
0 - 305'	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
305 - 3200'	9.8-10.0	28-29	NC	Brine Water
3200 - 7200'	8.6-8.8	28-29	NC	Fresh Water
7200 - TD	9.0-9.2	50-50	8-15	LSND

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.

BOP Program:

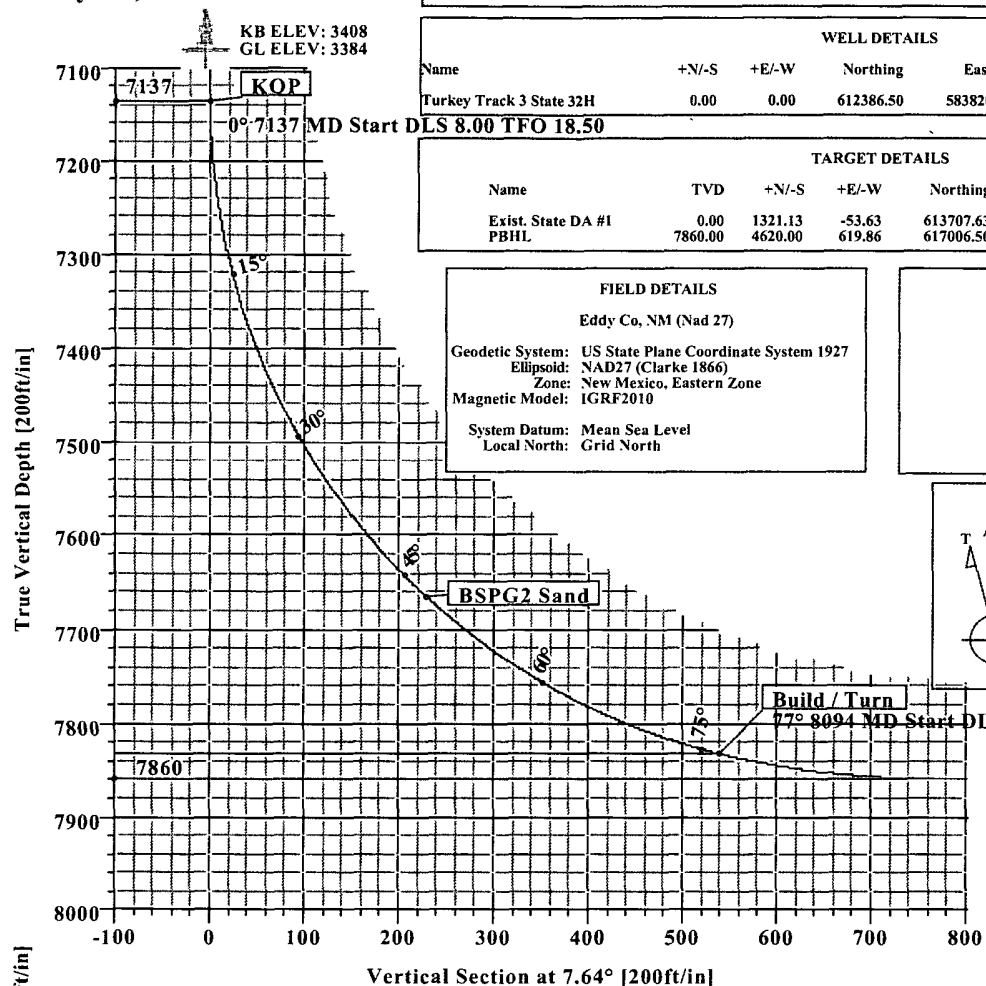
Surface None
 Intermediate/Production 13-5/8" 10M two ram stack w/ 5M annular preventer, 10M Choke Manifold

Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Geological Marker	Depth	Type	Source
a. Rustler	280'	Formation	Drilling
b. Top Salt	359'	Formation	IHS
c. Bottom Salt	1060'	Formation	Drilling
d. Queen	2123'	Oil/Gas	IHS
e. Grayburg	2429'	Oil/Gas	IHS
f. San Andres	2907'	Oil/Gas	IHS
g. Delaware	3100'	Oil/Gas	Drilling
h. Bone Springs	3900'	Oil/Gas	Drilling
i. 1st Bone Spring	6965'	Oil/Gas	Drilling
j. 2nd Bone Springs	7665'	Oil/Gas	Drilling



Turkey Track 3 State #32H
Eddy Co, NM



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	7136.50	0.00	0.00	7136.50	0.00	0.00	0.00	0.00	0.00	
3	8094.00	76.60	18.50	7833.20	521.79	174.59	8.00	18.50	540.37	
4	8323.27	90.00	5.86	7860.00	743.47	222.08	8.00	-44.06	766.40	
5	12220.15	90.00	5.86	7860.00	4620.00	619.86	0.00	0.00	4661.40	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Turkey Track 3 State 32H	0.00	0.00	612386.50	583820.20	32°40'59.715N	104°03'39.247W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Exist. State DA #1	0.00	1321.13	-53.63	613707.63	583766.57	Circle (Radius: 330)
PBHL	7860.00	4620.00	619.86	617006.50	584440.06	Point

FIELD DETAILS
Eddy Co, NM (Nad 27)

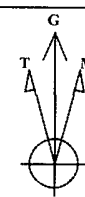
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS
Turkey Track 3 State 32H

Site Centre Northing: 612386.50
Easting: 583820.20

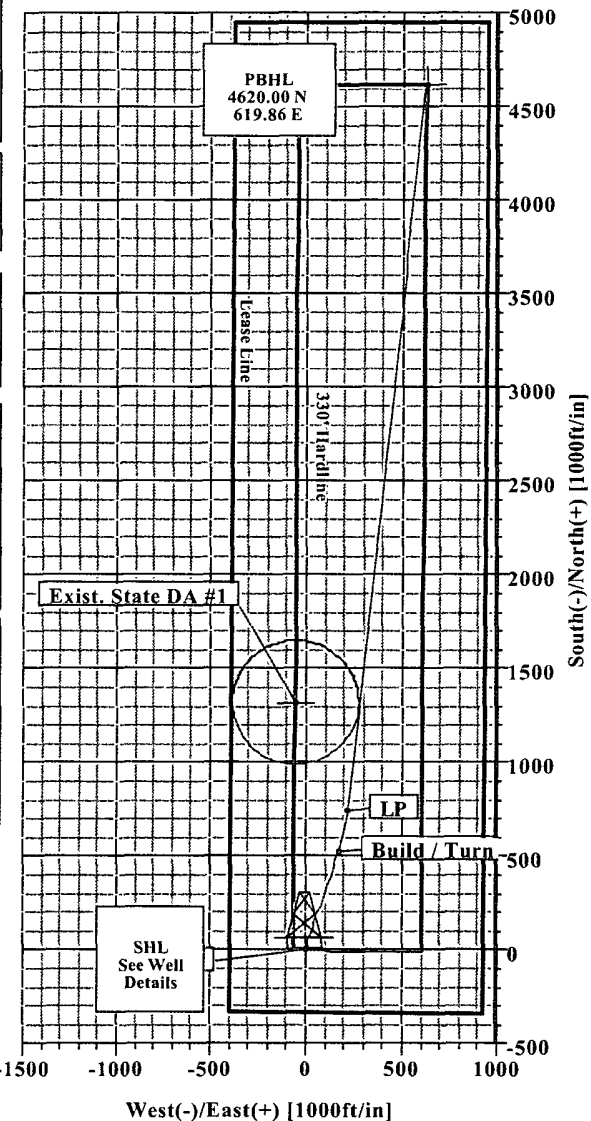
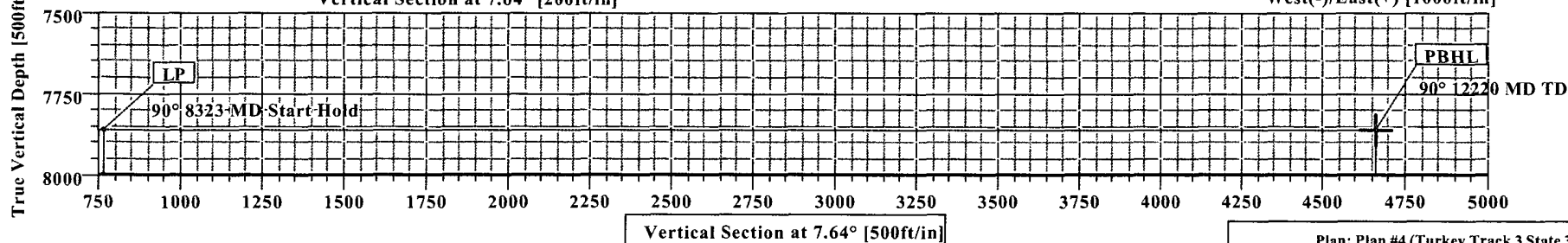
Ground Level: 3384.00
Positional Uncertainty: 0.00
Convergence: 0.15



Azimuths to Grid North
True North: -0.15°
Magnetic North: 7.58°

Magnetic Field
Strength: 48768nT
Dip Angle: 60.50°
Date: 6/1/2012
Model: IGRF2010

Total Correction to Grid North: 7.58°



Plan: Plan #4 (Turkey Track 3 State 32H/1)

Created By: Patrick Rudolph

Date: 2/28/2012



Weatherford



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 2/28/2012 Time: 12:54:43 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Turkey Track 3 State 32H
 Site: Turkey Track 3 State 32H Vertical (TVD) Reference: SITE 3408.0
 Well: Turkey Track 3 State 32H Section (VS) Reference: Well (0.00N,0.00E,7.64Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #4 Date Composed: 2/28/2012
 Principal: Yes Version: 1
 Tied-to: From Surface

Field: Eddy Co, NM (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: Turkey Track 3 State 32H
 Site Position: Northing: 612386.50 ft Latitude: 32 40 59.715 N
 From: Map Easting: 583820.20 ft Longitude: 104 3 39.247 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3384.00 ft Grid Convergence: 0.15 deg

Well: Turkey Track 3 State 32H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 612386.50 ft Latitude: 32 40 59.715 N
 +E/-W 0.00 ft Easting: 583820.20 ft Longitude: 104 3 39.247 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 3408.00 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 6/1/2012 Above System Datum: Mean Sea Level
 Field Strength: 48768 nT Declination: 7.73 deg
 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
 ft ft ft deg
 7860.00 0.00 0.00 7.64

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	
7136.50	0.00	0.00	7136.50	0.00	0.00	0.00	0.00	0.00	0.00	
8094.00	76.60	18.50	7833.20	521.79	174.59	8.00	8.00	0.00	18.50	
8323.27	90.00	5.86	7860.00	743.47	222.08	8.00	5.84	-5.51	-44.06	
12220.15	90.00	5.86	7860.00	4620.00	619.86	0.00	0.00	0.00	0.00	PBHL

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	612386.50	583820.20	BSPG2 Limestone
7136.50	0.00	0.00	7136.50	0.00	0.00	0.00	0.00	612386.50	583820.20	KOP
7150.00	1.08	18.50	7150.00	0.12	0.04	0.12	8.00	612386.62	583820.24	
7200.00	5.08	18.50	7199.92	2.67	0.89	2.76	8.00	612389.17	583821.09	
7250.00	9.08	18.50	7249.53	8.51	2.85	8.81	8.00	612395.01	583823.05	
7300.00	13.08	18.50	7298.58	17.62	5.90	18.25	8.00	612404.12	583826.10	
7350.00	17.08	18.50	7346.85	29.96	10.02	31.02	8.00	612416.46	583830.22	
7400.00	21.08	18.50	7394.10	45.45	15.21	47.07	8.00	612431.95	583835.41	
7450.00	25.08	18.50	7440.08	64.04	21.43	66.32	8.00	612450.54	583841.63	
7500.00	29.08	18.50	7484.59	85.62	28.65	88.67	8.00	612472.12	583848.85	
7550.00	33.08	18.50	7527.41	110.09	36.84	114.01	8.00	612496.59	583857.04	
7600.00	37.08	18.50	7568.32	137.34	45.95	142.23	8.00	612523.84	583866.15	
7650.00	41.08	18.50	7607.12	167.22	55.95	173.17	8.00	612553.72	583876.15	
7700.00	45.08	18.50	7643.63	199.60	66.79	206.71	8.00	612586.10	583886.99	
7730.94	47.55	18.50	7665.00	220.82	73.88	228.68	8.00	612607.32	583894.08	BSPG2 Sand
7750.00	49.08	18.50	7677.68	234.32	78.40	242.66	8.00	612620.82	583898.60	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 2/28/2012	Time: 12:54:43	Page: 2
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Turkey Track 3 State 32H		
Site: Turkey Track 3 State 32H	Vertical (TVD) Reference: SITE 3408.0		
Well: Turkey Track 3 State 32H	Section (VS) Reference: Well (0.00N;0.00E,7.64Azi)		
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
7800.00	53.08	18.50	7709.08	271.20	90.74	280.86	8.00	612657.70	583910.94	
7850.00	57.08	18.50	7737.70	310.07	103.75	321.11	8.00	612696.57	583923.95	
7900.00	61.08	18.50	7763.38	350.74	117.36	363.23	8.00	612737.24	583937.56	
7950.00	65.08	18.50	7786.02	393.01	131.50	407.00	8.00	612779.51	583951.70	
8000.00	69.08	18.50	7805.49	436.67	146.11	452.22	8.00	612823.17	583966.31	
8050.00	73.08	18.50	7821.69	481.52	161.11	498.66	8.00	612868.02	583981.31	
8094.00	76.60	18.50	7833.20	521.79	174.59	540.37	8.00	612908.29	583994.79	Build / Turn
8100.00	76.95	18.16	7834.57	527.33	176.42	546.11	8.00	612913.83	583996.62	
8150.00	79.84	15.34	7844.63	574.22	190.53	594.46	8.00	612960.72	584010.73	
8200.00	82.75	12.57	7852.20	622.18	202.44	643.57	8.00	613008.68	584022.64	
8250.00	85.69	9.83	7857.24	670.97	212.09	693.21	8.00	613057.47	584032.29	
8300.00	88.63	7.12	7859.72	720.35	219.45	743.13	8.00	613106.85	584039.65	
8323.27	90.00	5.86	7860.00	743.47	222.08	766.40	8.00	613129.97	584042.28	LP
8400.00	90.00	5.86	7860.00	819.80	229.91	843.09	0.00	613206.30	584050.11	
8500.00	90.00	5.86	7860.00	919.28	240.12	943.04	0.00	613305.78	584060.32	
8600.00	90.00	5.86	7860.00	1018.76	250.33	1042.99	0.00	613405.26	584070.53	
8700.00	90.00	5.86	7860.00	1118.23	260.53	1142.94	0.00	613504.73	584080.73	
8800.00	90.00	5.86	7860.00	1217.71	270.74	1242.90	0.00	613604.21	584090.94	
8900.00	90.00	5.86	7860.00	1317.19	280.95	1342.85	0.00	613703.69	584101.15	
9000.00	90.00	5.86	7860.00	1416.67	291.16	1442.80	0.00	613803.17	584111.36	
9100.00	90.00	5.86	7860.00	1516.14	301.37	1542.75	0.00	613902.64	584121.57	
9200.00	90.00	5.86	7860.00	1615.62	311.57	1642.70	0.00	614002.12	584131.77	
9300.00	90.00	5.86	7860.00	1715.10	321.78	1742.65	0.00	614101.60	584141.98	
9400.00	90.00	5.86	7860.00	1814.58	331.99	1842.61	0.00	614201.08	584152.19	
9500.00	90.00	5.86	7860.00	1914.05	342.20	1942.56	0.00	614300.55	584162.40	
9600.00	90.00	5.86	7860.00	2013.53	352.40	2042.51	0.00	614400.03	584172.60	
9700.00	90.00	5.86	7860.00	2113.01	362.61	2142.46	0.00	614499.51	584182.81	
9800.00	90.00	5.86	7860.00	2212.49	372.82	2242.41	0.00	614598.99	584193.02	
9900.00	90.00	5.86	7860.00	2311.96	383.03	2342.36	0.00	614698.46	584203.23	
10000.00	90.00	5.86	7860.00	2411.44	393.23	2442.32	0.00	614797.94	584213.43	
10100.00	90.00	5.86	7860.00	2510.92	403.44	2542.27	0.00	614897.42	584223.64	
10200.00	90.00	5.86	7860.00	2610.40	413.65	2642.22	0.00	614996.90	584233.85	
10300.00	90.00	5.86	7860.00	2709.88	423.86	2742.17	0.00	615096.38	584244.06	
10400.00	90.00	5.86	7860.00	2809.35	434.07	2842.12	0.00	615195.85	584254.27	
10500.00	90.00	5.86	7860.00	2908.83	444.27	2942.07	0.00	615295.33	584264.47	
10600.00	90.00	5.86	7860.00	3008.31	454.48	3042.03	0.00	615394.81	584274.68	
10700.00	90.00	5.86	7860.00	3107.79	464.69	3141.98	0.00	615494.29	584284.89	
10800.00	90.00	5.86	7860.00	3207.26	474.90	3241.93	0.00	615593.76	584295.10	
10900.00	90.00	5.86	7860.00	3306.74	485.10	3341.88	0.00	615693.24	584305.30	
11000.00	90.00	5.86	7860.00	3406.22	495.31	3441.83	0.00	615792.72	584315.51	
11100.00	90.00	5.86	7860.00	3505.70	505.52	3541.78	0.00	615892.20	584325.72	
11200.00	90.00	5.86	7860.00	3605.17	515.73	3641.74	0.00	615991.67	584335.93	
11300.00	90.00	5.86	7860.00	3704.65	525.93	3741.69	0.00	616091.15	584346.13	
11400.00	90.00	5.86	7860.00	3804.13	536.14	3841.64	0.00	616190.63	584356.34	
11500.00	90.00	5.86	7860.00	3903.61	546.35	3941.59	0.00	616290.11	584366.55	
11600.00	90.00	5.86	7860.00	4003.08	556.56	4041.54	0.00	616389.58	584376.76	
11700.00	90.00	5.86	7860.00	4102.56	566.76	4141.49	0.00	616489.06	584386.96	
11800.00	90.00	5.86	7860.00	4202.04	576.97	4241.45	0.00	616588.54	584397.17	
11900.00	90.00	5.86	7860.00	4301.52	587.18	4341.40	0.00	616688.02	584407.38	
12000.00	90.00	5.86	7860.00	4401.00	597.39	4441.35	0.00	616787.50	584417.59	
12100.00	90.00	5.86	7860.00	4500.47	607.60	4541.30	0.00	616886.97	584427.80	
12200.00	90.00	5.86	7860.00	4599.95	617.80	4641.25	0.00	616986.45	584438.00	
12220.15	90.00	5.86	7860.00	4620.00	619.86	4661.40	0.00	617006.50	584440.06	PBHL



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd. Date: 2/28/2012 Time: 12:54:43 Page: 3
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Site: Turkey Track 3 State 32H Vertical (TVD) Reference: SITE 3408.0
Well: Turkey Track 3 State 32H Section (VS) Reference: Well (0.00N,0.00E,7.64Azi)
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

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
Exist. State DA #1 -Circle (Radius: 330)			0.00	1321.13	-53.63	613707.63	583766.57	32 41 12.789 N	104 3 39.835 W
PBHL			7860.00	4620.00	619.86	617006.50	584440.06	32 41 45.416 N	104 3 31.854 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
305.00	305.00	0.000	0.000	Csg
3100.00	3100.00	0.000	0.000	Csg

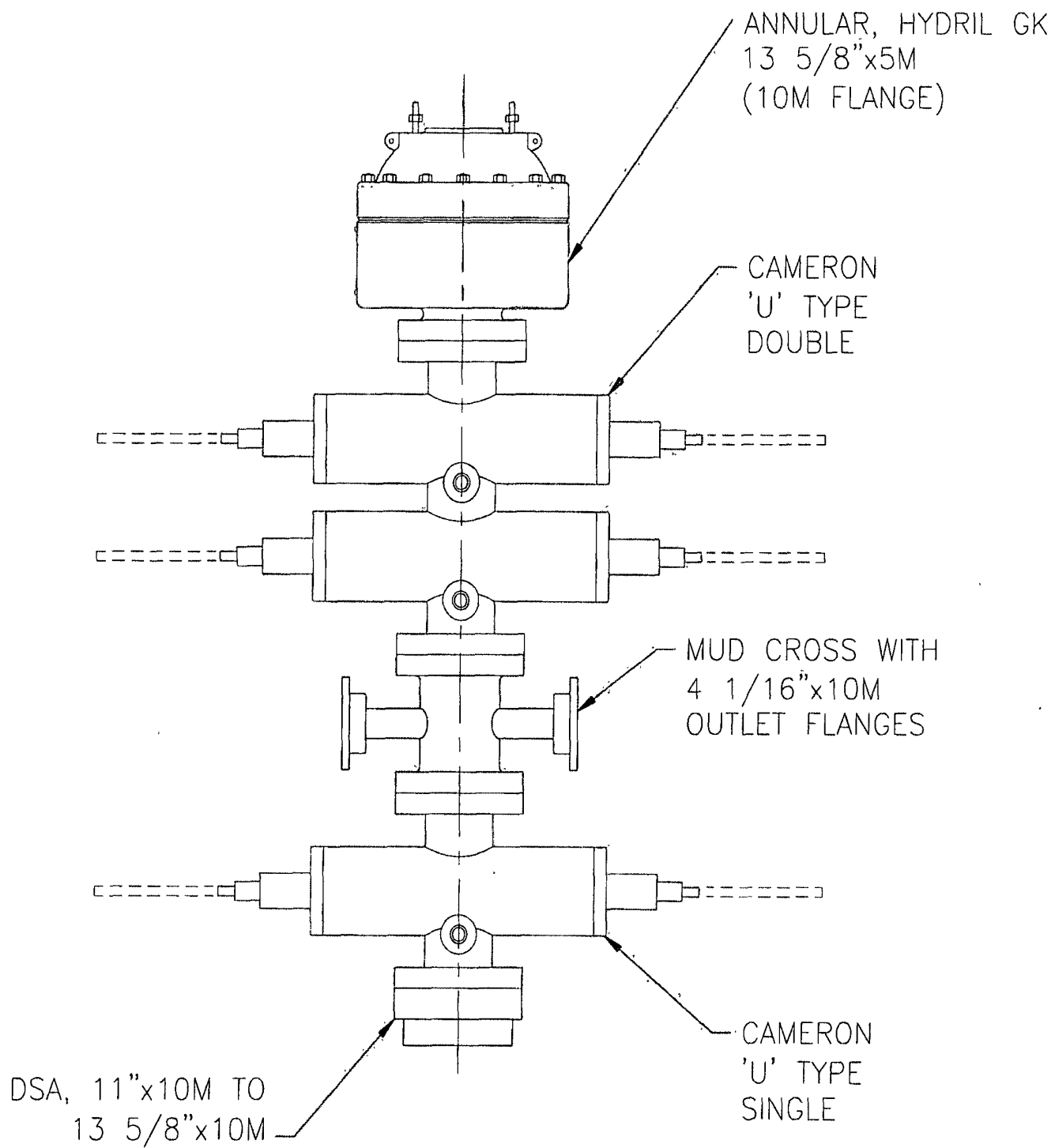
Annotation

MD ft	TVD ft	
7136.50	7136.50	KOP
8094.00	7833.20	Build / Turn
8323.27	7860.00	LP
12220.15	7860.00	PBHL

Formations

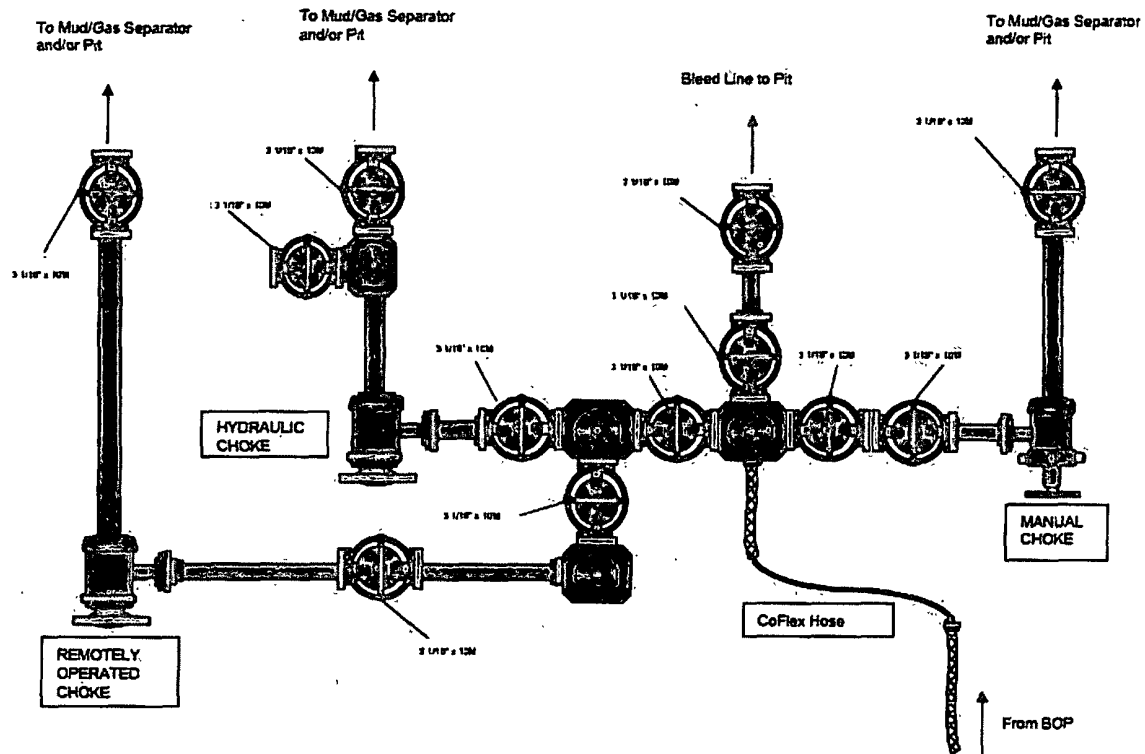
MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1060.00	1060.00	Base Salt		0.00	0.00
3000.00	3000.00	Base Anhydrite		0.00	0.00
3900.00	3900.00	Bone Spring Limestone		0.00	0.00
6965.00	6965.00	BSPG1 Sand		0.00	0.00
7100.00	7100.00	BSPG2 Limestone		0.00	0.00
7730.94	7665.00	BSPG2 Sand		0.00	0.00
	0.00	BSPG2 Target Sand		0.00	0.00

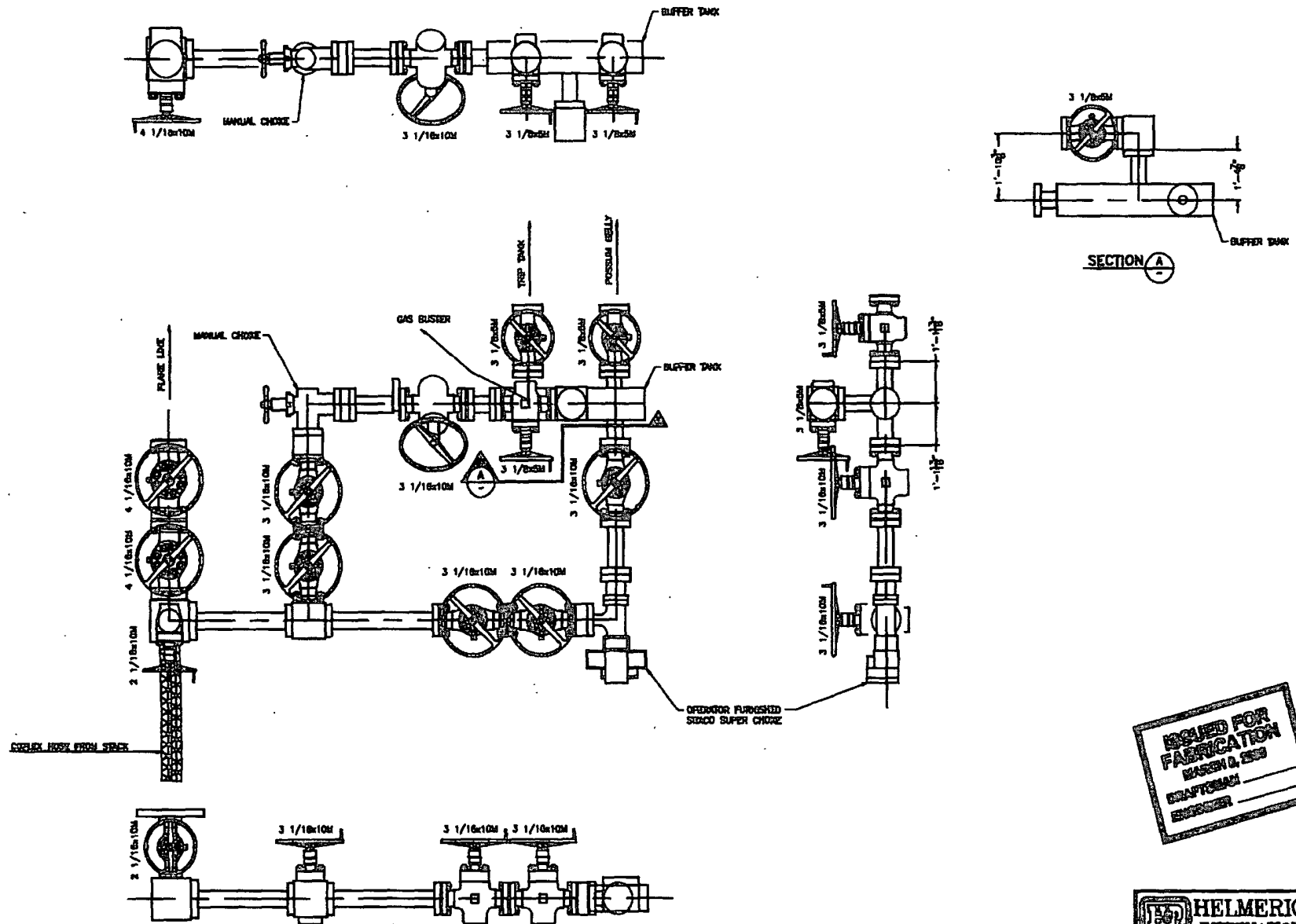
BOP Diagram



BOP STACK

10M CHOKE MANIFOLD CONFIGURATION





ISSUED FOR
FABRICATION
MARCH 1, 1955
DRAWN BY
ENGINEER

PROPRIETARY
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HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
CHOKE MANIFOLD	
CUSTOMER: H&P	PROJECT: FLE0003
DESIGN: MTS	DRAWN: 2-28-52
SCALE: 3/4"=1'	SHEET: 1 OF 1
216-P1-05	A