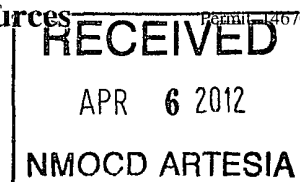


District I1625 N French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., 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: 146706

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

1. Operator Name and Address OXY USA WTP LIMITED PARTNERSHIP PO Box 4294 Houston, TX 77210		2. OGRID Number 192463
		3. API Number 30-015-40149
4. Property Code 39149	5. Property Name CORRAL DRAW 2 STATE	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	2	25S	29E	2	401	N	1691	E	EDDY

8. Pool Information

PIERCE CROSSING; BONE SPRING, EAST	96473
------------------------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3076
14. Multiple N	15. Proposed Depth 11994	16. Formation Bone Spring	17. Contractor	18. Spud Date 6/15/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	455	560	0
Intl	12.25	9.625	40	3190	1190	0
Prod	8.75	5.5	17	11994	1770	2690

Casing/Cement Program: Additional Comments

Additional information will be sent with the C-144 CLEZ Mile 4.512

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Printed Name: Electronically filed by KAREN M SINARD Title: Email Address: karen_sinard@oxy.com Date: 4/4/2012	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	Expiration Date:
	Approved Date:	
	Phone: 713-366-5485	

Operator Name/Number: **OXY USA WTP LP** 192463
 Lease Name/Number: **Corral Draw 2 State #2H** State No. V-3361
 Pool Name/Number: **Pierce Crossing Bone Spring, East** 96473
 Surface Location: **401 FNL 1691 FEL B Sec 2 T25S R29E**
 Bottom Hole Location: **330 FSL 1752 FEL O Sec 2 T25S R29E**

C-102 Plats: 11/18/11 1/5/12 1/27/12 Elevation: 3075.6' GL

Proposed TD: 7726' TVD 11994' TMD
 SL - Lat: 32.1653106 Long: 103.9515785 X=424070.4 Y=618129.5 NAD - 1927
 BH - Lat: 32.1527340 Long: 103.9517836 X=419495.2 Y=618082.3 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"	455'	13-3/8"	48	ST&C	H-40	New	4.66	10.48	14.74
				Hole filled with 8.9# Mud			770#	1730#	
12-1/4"	3190'	9-5/8"	40	LT&C	J-55	New	1.87	2.88	4.08
				Hole filled with 10.2# Mud			2570#	3950#	
8-3/4"	11994'	5-1/2"	17	LT&C	N-80	New	2.09	2.58	1.71
				Hole filled with 9.4# 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/ 310sx PP cmt w/ 2% CaCl₂ + 4% Bentonite + .25#/sx Poly-E-Flake, 13.5ppg 1.75 yield 589# 24hr CS 165% Excess followed by 250sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 1608# 24hr CS 165% Excess
- 9-5/8" Intermediate Circulate cement to surface w/ 940sx HES light PP cmt w/ 4% Bentonite, 13.5ppg 1.72 yield 829# 24hr CS 105% Excess followed by 250sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 2125# 24hr CS 105% excess
- 5-1/2" Production Cement w/ 530sx IFH cmt w/ 3#/sx Kol-Seal + .5% Halad R-322 + .3% HR-601, 11.9ppg 2.51 yield 253# 24hr CS 35% Excess followed by 1240sx 50/50 Poz'PPC w/ 0.4 GasStop + .3% CFR 3 + .1% HR-601 + 1#/sx Salt, 14.4ppg 1.26 yield 1074# 24hr CS 35% excess Calc TOC-2690'

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 455'	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
455 - 3190'	9.8-10.2	28-29	NC	Brine Water
3190 - 7000'	8.4-8.8	28-29		Fresh Water
7000 - TD	9.0-9.4	32-36	8-15	Duo Vis

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	130'	Formation	Drilling
b. Bottom Salt	3085'	Formation	Drilling
c. Delaware-Bell Canyon	3280'	Oil/Gas	Drilling
d. Delaware-Cherry Canyon	4125'	Oil/Gas	Drilling
e. Delaware-Brushy Canyon	5470'	Oil/Gas	Drilling
f. Bone Spring	6970'	Oil/Gas	Drilling
g. 1st Bone Spring	7674'	Oil/Gas	Drilling

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

RECEIVED

APR 6 2012

NMOC D ARTESIA

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-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring East
Property Code	Property Name CORRAL DRAW "2" STATE	Well Number 2H
OCRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3075.6'

Surface Location

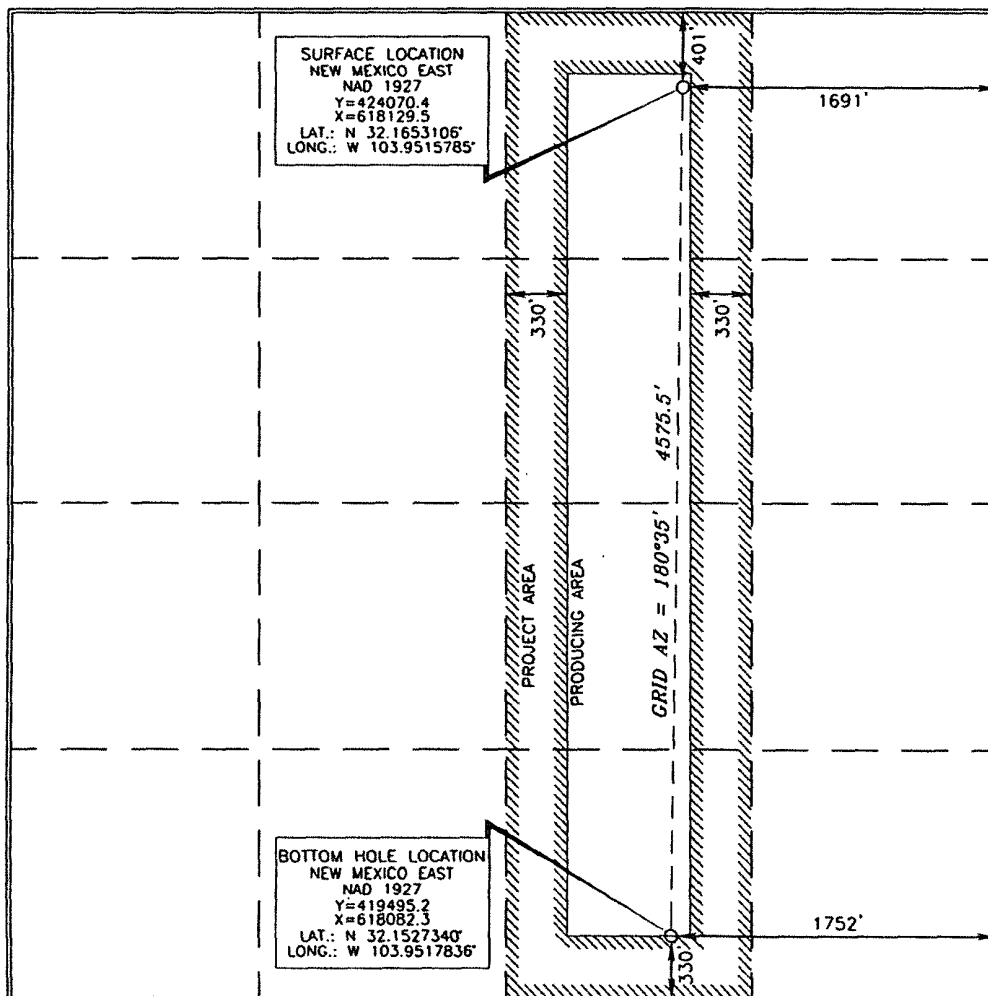
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	2	25 SOUTH	29 EAST, N.M.P.M.		401'	NORTH	1691'	EAST	EDDY

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
0	2	25 SOUTH	29 EAST, N.M.P.M.		330'	SOUTH	1752'	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.

David Stewart 4/4/12
Signature Date
David Stewart - Reg. Abo.
Printed Name

SURVEYOR CERTIFICATION

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

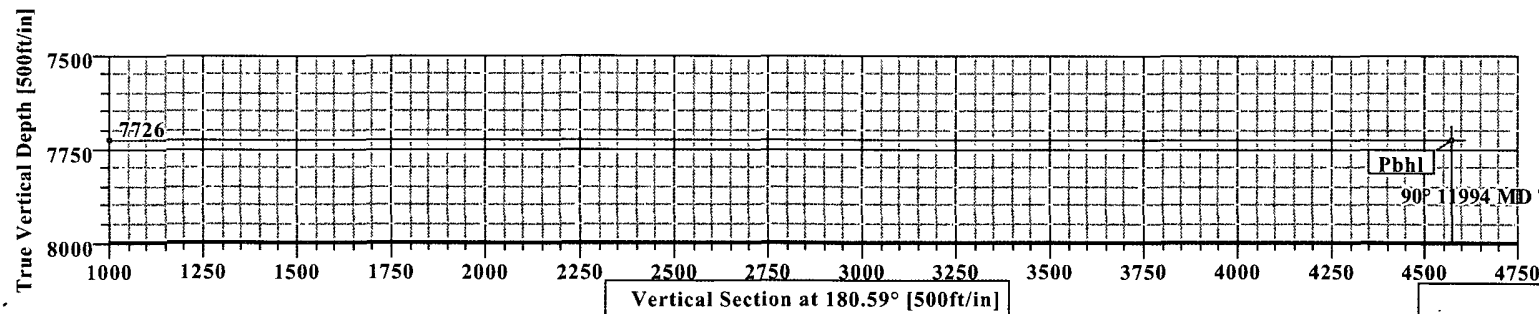
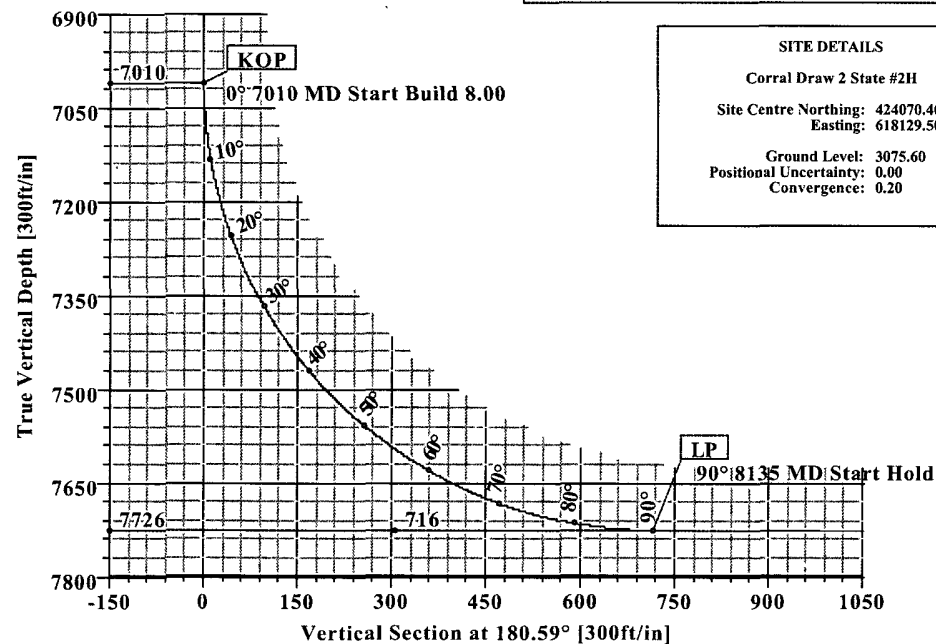
NOVEMBER 18, 2011
Date of Survey
Signature and Seal of Professional Surveyor
Sunny J. Paul 1/5/2012
Certificate Number 15079
WO# 111118WL-b (KA)



Occidental Permian Ltd.

Corral Draw 2 State #2H
Eddy Co, New Mexico

KB ELEV: 3100.6
GL ELEV: 3075.6



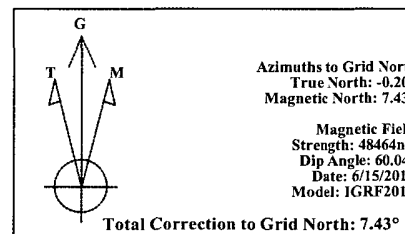
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	180.59	0.00	0.00	0.00	0.00	0.00	0.00	
2	7009.80	0.00	180.59	7009.80	0.00	0.00	0.00	0.00	0.00	
3	8134.80	90.00	180.59	7726.00	-716.16	-7.39	8.00	180.59	716.20	
4	11994.05	90.00	180.59	7726.00	-4575.20	-47.20	0.00	0.00	4575.44	PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
CD 2 State #2H	0.00	0.00	424070.40	618129.50	32°09'55.118N	103°57'05.683W

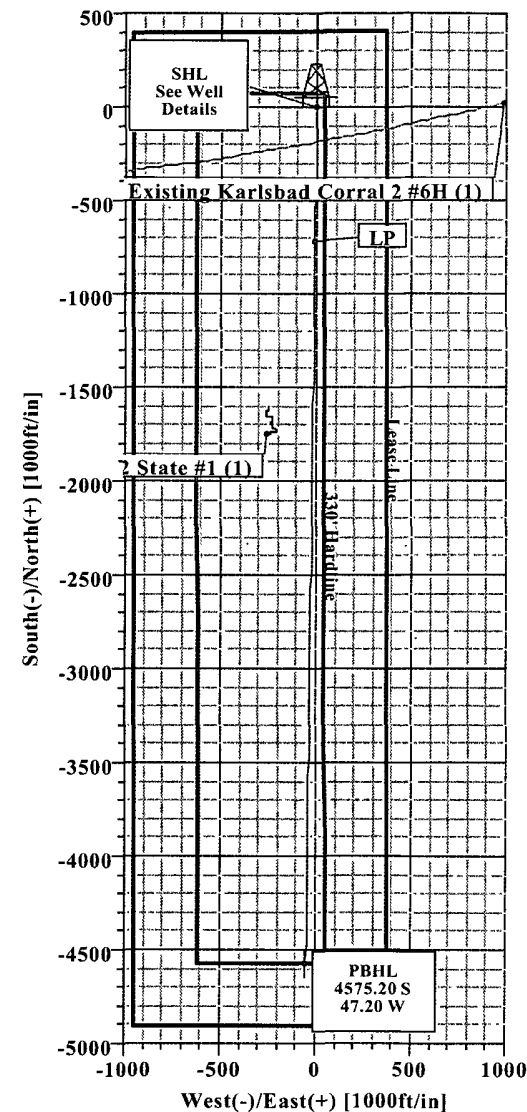
TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7726.00	-4575.20	-47.20	419495.20	618082.30	Point

SITE DETAILS	
Corral Draw 2 State #2H	
Site Centre Northing:	424070.40
Easting:	618129.50
Ground Level:	3075.60
Positional Uncertainty:	0.00
Convergence:	0.20

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



LEGEND	
	Exist. Corral Fly 2 State #1 (1)
	Existing Karlsbad Corral 2 #6H (1)
	1
	Plan #1



Plan: Plan #1 (CD 2 State #2H/1)

Created By: Russell W. Joyner

Date: 1/23/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	1/23/2012	Time:	10:21:41	Page:	1
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: CD 2 State #2H, Grid: North				
Site:	Corral Draw 2 State #2H	Vertical (TVD) Reference:	SITE 3100.6				
Well:	CD 2 State #2H	Section (VS) Reference:	Well: (0.00N 0.00E 180.59Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Plan:	Plan #1	Date Composed:	1/11/2012
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:	Corral Draw 2 State #2H		
Site Position:		Northing:	424070.40 ft
From: Map		Easting:	618129.50 ft
Position Uncertainty:	0.00 ft	Latitude:	32 9 55.118 N
Ground Level:	3075.60 ft	Longitude:	103 57 5.683 W
		North Reference:	Grid
		Grid Convergence:	0.20 deg

Well:	CD 2 State #2H	Slot Name:	
Well Position:	+N/-S 0.00 ft	Northing:	424070.40 ft
	+E/-W 0.00 ft	Easting:	618129.50 ft
Position Uncertainty:	0.00 ft	Latitude:	32 9 55.118 N
		Longitude:	103 57 5.683 W

Wellpath:	1	Drilled From:	Surface
Current Datum:	SITE	Tie-on Depth:	0.00 ft
Magnetic Data:	6/15/2012	Above System Datum:	Mean Sea Level
Field Strength:	48464 nT	Declination:	7.63 deg
Vertical Section:	Depth From (TVD)	Mag Dip Angle:	60.04 deg
	ft	+E/-W	ft
	0.00	Direction	deg
			180.59

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	180.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7009.80	0.00	180.59	7009.80	0.00	0.00	0.00	0.00	0.00	0.00	
8134.80	90.00	180.59	7726.00	-716.16	-7.39	8.00	8.00	0.00	180.59	
11994.05	90.00	180.59	7726.00	-4575.20	-47.20	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	
7000.00	0.00	180.59	7000.00	0.00	0.00	0.00	0.00	424070.40	618129.50	
7009.80	0.00	180.59	7009.80	0.00	0.00	0.00	0.00	424070.40	618129.50	KOP
7100.00	7.22	180.59	7099.76	-5.67	-0.06	5.67	8.00	424064.73	618129.44	
7200.00	15.22	180.59	7197.77	-25.11	-0.26	25.11	8.00	424045.29	618129.24	
7300.00	23.22	180.59	7292.12	-57.99	-0.60	57.99	8.00	424012.41	618128.90	
7400.00	31.22	180.59	7380.98	-103.68	-1.07	103.69	8.00	423966.72	618128.43	
7500.00	39.22	180.59	7462.61	-161.30	-1.66	161.31	8.00	423909.10	618127.84	
7600.00	47.22	180.59	7535.43	-229.72	-2.37	229.73	8.00	423840.68	618127.13	
7700.00	55.22	180.59	7598.02	-307.60	-3.17	307.62	8.00	423762.80	618126.33	
7800.00	63.22	180.59	7649.16	-393.44	-4.06	393.46	8.00	423676.96	618125.44	
7900.00	71.22	180.59	7687.85	-485.55	-5.01	485.58	8.00	423584.85	618124.49	
8000.00	79.22	180.59	7713.35	-582.16	-6.01	582.19	8.00	423488.24	618123.49	
8100.00	87.22	180.59	7725.15	-681.37	-7.03	681.41	8.00	423389.03	618122.47	
8134.80	90.00	180.59	7726.00	-716.16	-7.39	716.20	8.00	423354.24	618122.11	LP
8200.00	90.00	180.59	7726.00	-781.35	-8.06	781.39	0.00	423289.05	618121.44	
8300.00	90.00	180.59	7726.00	-881.35	-9.09	881.39	0.00	423189.05	618120.41	
8400.00	90.00	180.59	7726.00	-981.34	-10.12	981.39	0.00	423089.06	618119.38	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	1/23/2012	Time:	10:21:41	Page:	2
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: CD 2 State #2H, Grid North				
Site:	Corral Draw 2 State #2H	Vertical (TVD) Reference:	SITE 3100.6				
Well:	CD 2 State #2H	Section (VS) Reference:	Well (0.00N,0.00E,180.59Azi)				
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
8500.00	90.00	180.59	7726.00	-1081.34	-11.16	1081.39	0.00	422989.06	618118.34	
8600.00	90.00	180.59	7726.00	-1181.33	-12.19	1181.39	0.00	422889.07	618117.31	
8700.00	90.00	180.59	7726.00	-1281.33	-13.22	1281.39	0.00	422789.07	618116.28	
8800.00	90.00	180.59	7726.00	-1381.32	-14.25	1381.39	0.00	422689.08	618115.25	
8900.00	90.00	180.59	7726.00	-1481.32	-15.28	1481.39	0.00	422589.08	618114.22	
9000.00	90.00	180.59	7726.00	-1581.31	-16.31	1581.39	0.00	422489.09	618113.19	
9100.00	90.00	180.59	7726.00	-1681.31	-17.35	1681.39	0.00	422389.09	618112.15	
9200.00	90.00	180.59	7726.00	-1781.30	-18.38	1781.39	0.00	422289.10	618111.12	
9300.00	90.00	180.59	7726.00	-1881.29	-19.41	1881.39	0.00	422189.11	618110.09	
9400.00	90.00	180.59	7726.00	-1981.29	-20.44	1981.39	0.00	422089.11	618109.06	
9500.00	90.00	180.59	7726.00	-2081.28	-21.47	2081.39	0.00	421989.12	618108.03	
9600.00	90.00	180.59	7726.00	-2181.28	-22.50	2181.39	0.00	421889.12	618107.00	
9700.00	90.00	180.59	7726.00	-2281.27	-23.53	2281.39	0.00	421789.13	618105.97	
9800.00	90.00	180.59	7726.00	-2381.27	-24.57	2381.39	0.00	421689.13	618104.93	
9900.00	90.00	180.59	7726.00	-2481.26	-25.60	2481.39	0.00	421589.14	618103.90	
10000.00	90.00	180.59	7726.00	-2581.26	-26.63	2581.39	0.00	421489.14	618102.87	
10100.00	90.00	180.59	7726.00	-2681.25	-27.66	2681.39	0.00	421389.15	618101.84	
10200.00	90.00	180.59	7726.00	-2781.25	-28.69	2781.39	0.00	421289.15	618100.81	
10300.00	90.00	180.59	7726.00	-2881.24	-29.72	2881.39	0.00	421189.16	618099.78	
10400.00	90.00	180.59	7726.00	-2981.24	-30.76	2981.39	0.00	421089.16	618098.74	
10500.00	90.00	180.59	7726.00	-3081.23	-31.79	3081.39	0.00	420989.17	618097.71	
10600.00	90.00	180.59	7726.00	-3181.23	-32.82	3181.39	0.00	420889.17	618096.68	
10700.00	90.00	180.59	7726.00	-3281.22	-33.85	3281.39	0.00	420789.18	618095.65	
10800.00	90.00	180.59	7726.00	-3381.21	-34.88	3381.39	0.00	420689.19	618094.62	
10900.00	90.00	180.59	7726.00	-3481.21	-35.91	3481.39	0.00	420589.19	618093.59	
11000.00	90.00	180.59	7726.00	-3581.20	-36.95	3581.39	0.00	420489.20	618092.55	
11100.00	90.00	180.59	7726.00	-3681.20	-37.98	3681.39	0.00	420389.20	618091.52	
11200.00	90.00	180.59	7726.00	-3781.19	-39.01	3781.39	0.00	420289.21	618090.49	
11300.00	90.00	180.59	7726.00	-3881.19	-40.04	3881.39	0.00	420189.21	618089.46	
11400.00	90.00	180.59	7726.00	-3981.18	-41.07	3981.39	0.00	420089.22	618088.43	
11500.00	90.00	180.59	7726.00	-4081.18	-42.10	4081.39	0.00	419989.22	618087.40	
11600.00	90.00	180.59	7726.00	-4181.17	-43.14	4181.39	0.00	419889.23	618086.36	
11700.00	90.00	180.59	7726.00	-4281.17	-44.17	4281.39	0.00	419789.23	618085.33	
11800.00	90.00	180.59	7726.00	-4381.16	-45.20	4381.39	0.00	419689.24	618084.30	
11900.00	90.00	180.59	7726.00	-4481.16	-46.23	4481.39	0.00	419589.24	618083.27	
11994.05	90.00	180.59	7726.00	-4575.20	-47.20	4575.44	0.00	419495.20	618082.30	PBHL

Targets

Name	Description Dip	Dir	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			7726.00	-4575.20	-47.20	419495.20	618082.30	32 9 9.842 N	103 57 6.421 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
250.00	250.00	0.000	0.000	Csg
3200.00	3200.00	0.000	0.000	Csg



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	1/23/2012	Time:	10:21:41	Page:	3
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: CD 2 State #2H, Grid North				
Site:	Corral Draw 2 State #2H	Vertical (TVD) Reference:	SITE 3100.6				
Well:	CD 2 State #2H	Section (VS) Reference:	Well (0.00N,0.00E,180.59Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

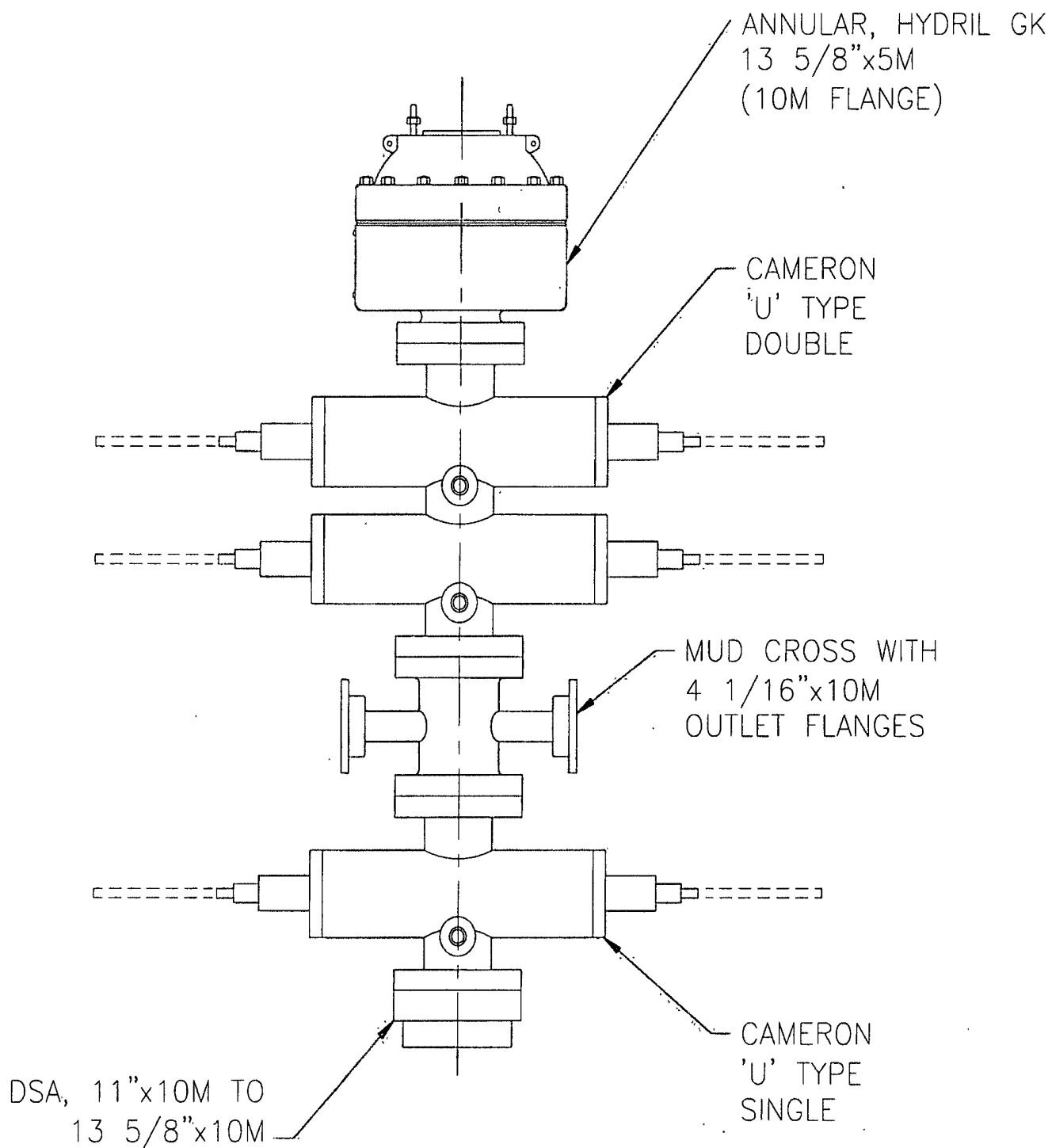
Annotation

MD ft	TVD ft	
7009.80	7009.80	KOP
8134.80	7726.00	LP
11994.04	7726.00	Pbhl

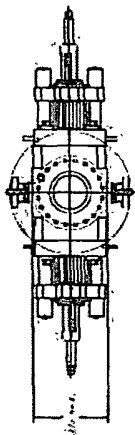
Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

BOP Diagram



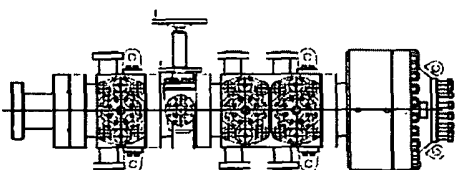
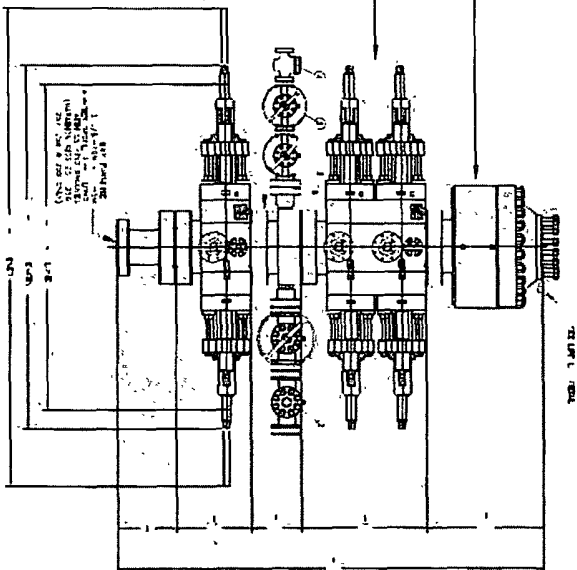
BOP STACK



1. NAME - (C) STANLEY
2. ADDRESS - 13 1/2 - 14th St
3. CITY - NEW YORK
4. STATE - N.Y.
5. ZIP - 10011
6. PHONE - 212-691-1234
7. FAX - 212-691-1235
8. E-MAIL - stanley@ny.com

RECEIVED

1) 3/8 - On a
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(A1 has 3108A1)
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FABRICATION
00000000-10-2007
DRAFTSMAN
ENGINEER

[illegible]

**INTERNATIONAL BROTHERHOOD OF
MASTERS**

FLEXIM, *

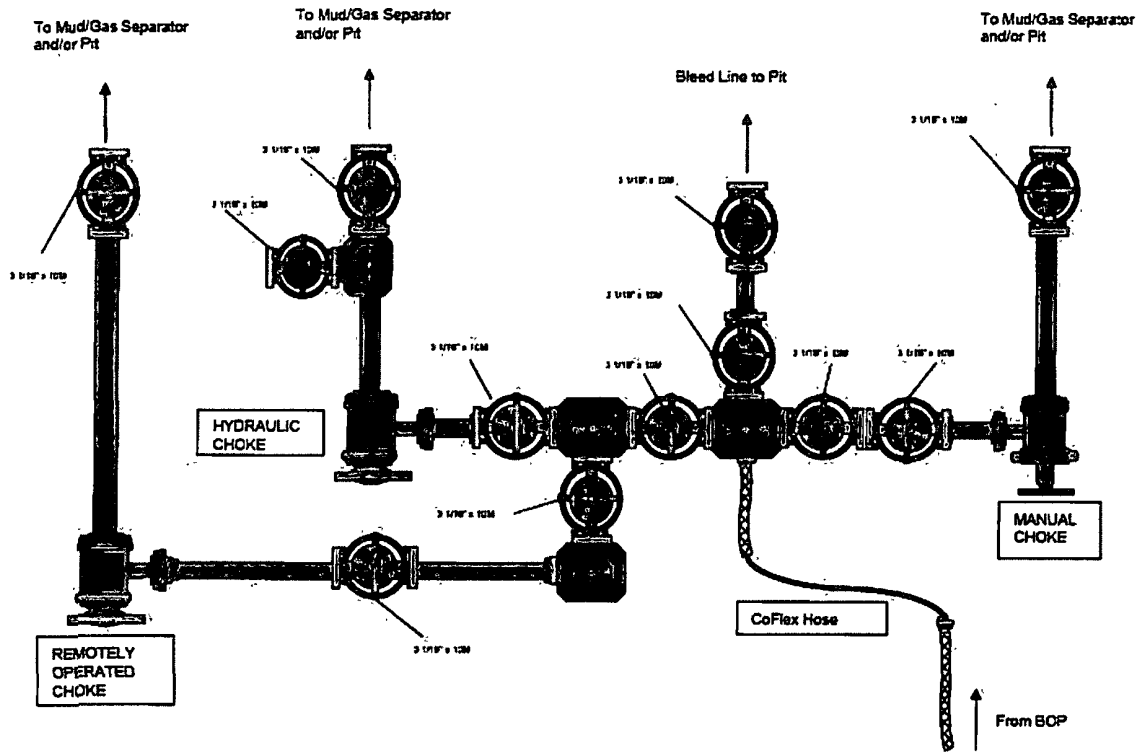
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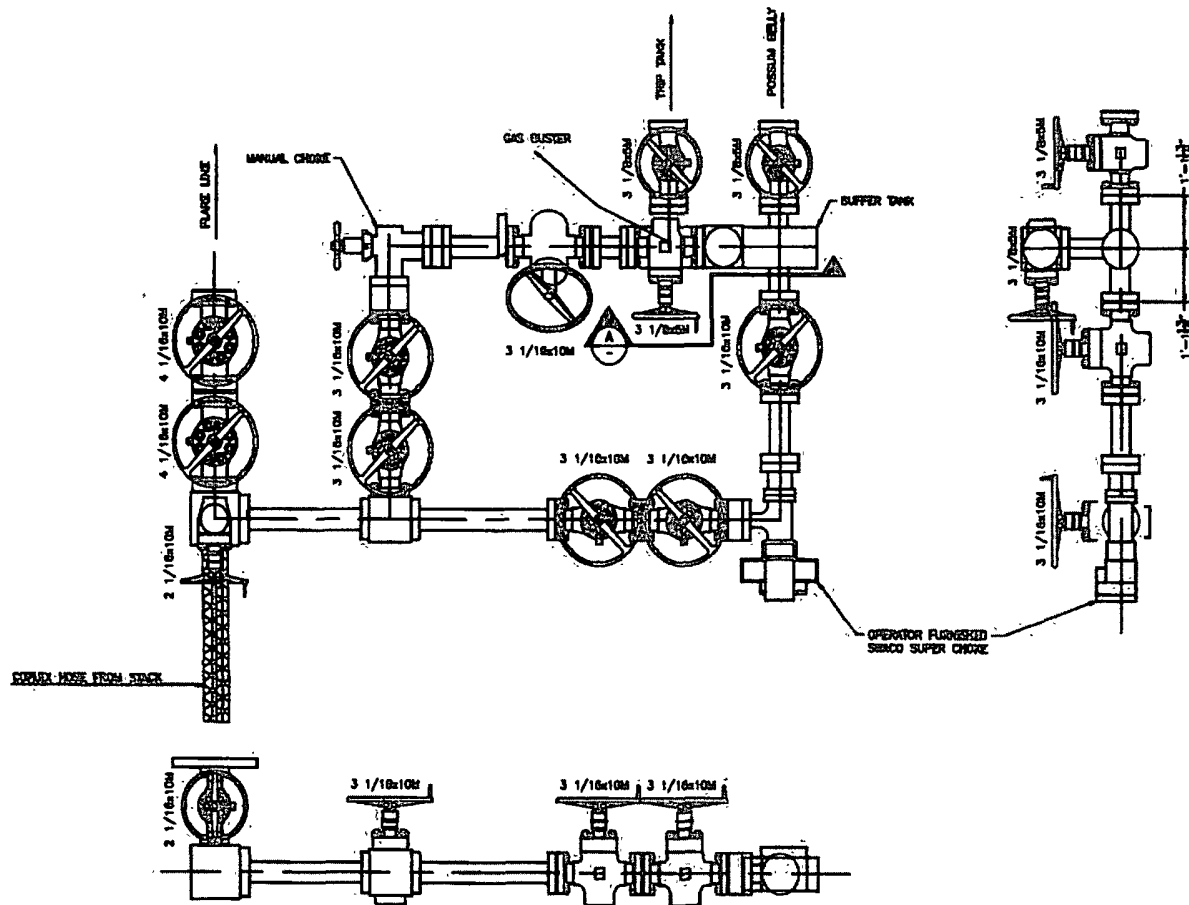
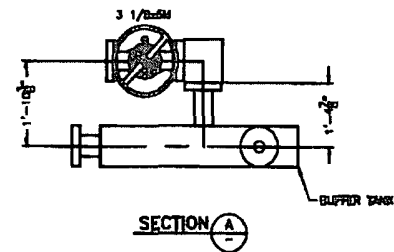
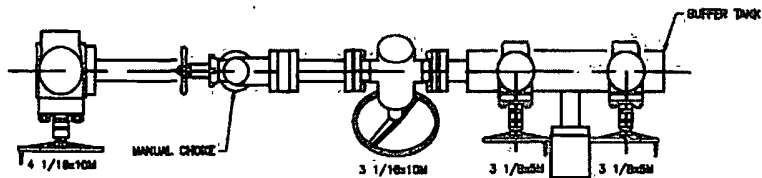
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PROFESSOR

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10M CHOKE MANIFOLD CONFIGURATION





ISSUED FOR
FABRICATION
MARCH 2, 1983
DRAFTSMAN
ENGINEER

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

CHOKE MANIFOLD

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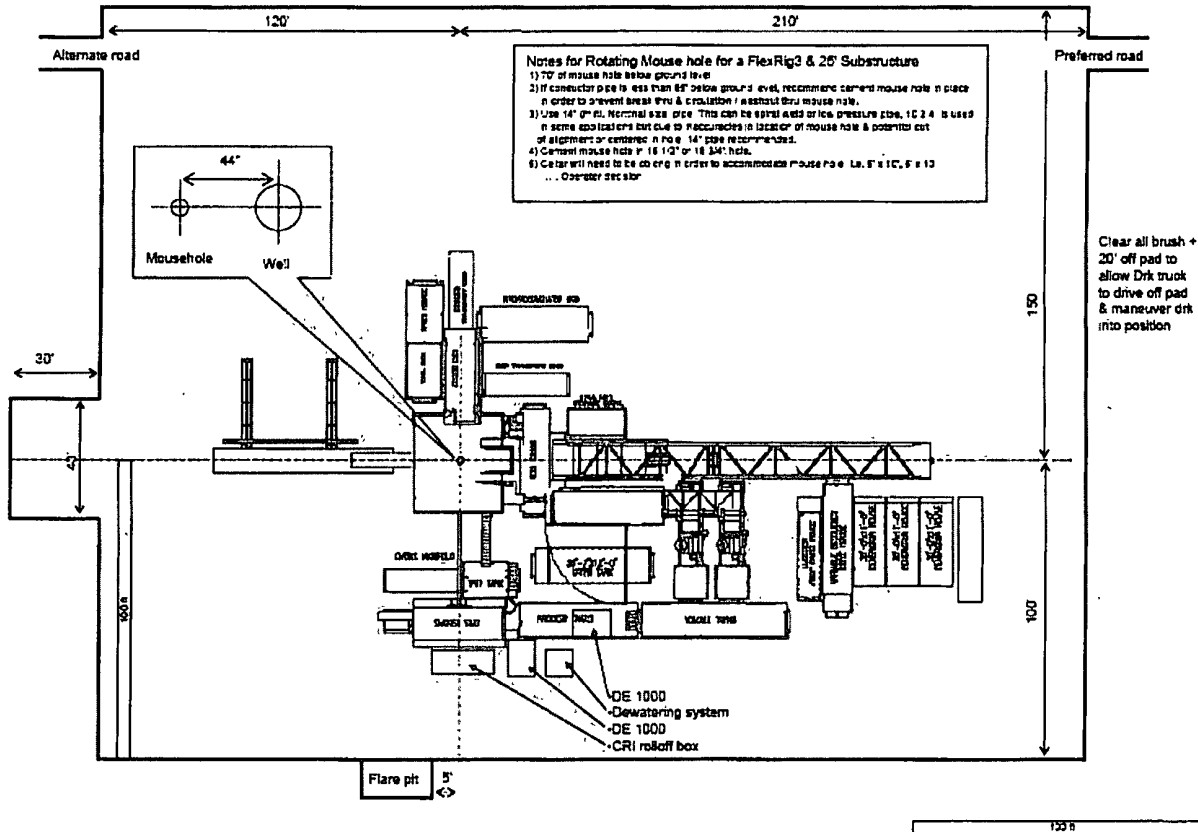
PROPRIETARY

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DATE: 3/4/81
SHEET: 1 OF 1
216-P1-05
A

OXY FLEX III PAD (SCOM Closed Loop System)

Level Area-No Canyons-For Offices and Living Quarters



Results

