

District I

1625 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

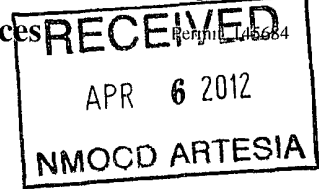
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

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

**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 <i>30-015-90148</i>
4. Property Code 38654	5. Property Name SMOKEY BITS STATE COM	6. Well No. 006H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	36	18S	30E	D	405	N	330	W	EDDY

8. Pool Information

BENSON; BONE SPRING	5200
---------------------	------

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3440
14. Multiple N	15. Proposed Depth 12859	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	450	610	0
Int1	12.25	9.625	40	3700	1370	0
Prod	8.75	5.5	17	12859	1940	3200

Casing/Cement Program: Additional Comments

Additional information will be sent with the C-144 CLEZ <i>Mailed 4/5/12</i>

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	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 ☐ .	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Printed Name: Electronically filed by KAREN M SINARD Title: Email Address: karen_sinard@oxy.com Date: 4/4/2012 Phone: 713-366-5485	

Operator Name/Number:	OXY USA WTP LP	192463
Lease Name/Number:	Smokey Bits State Com. #6H	State Lease No. *E0-7811 38654
Pool Name/Number:	Benson Bone Spring	5200
Surface Location:	405 FNL 330 FWL D Sec 36 T18S R30E	
Bottom Hole Location:	660 FNL 330 FEL A Sec 36 T18S R30E	

C-102 Plats: 7/21/11 8/25/11 8/25/11 Elevation: 3440.2 GL

Proposed TD: 8629' TVD 12859' TMD
 SL - Lat:32.7099255 Long:103.9324869 X=623293.8 Y=622214.9 NAD - 1927
 BH - Lat:32.7092056 Long: 103.9174726 X=627913.0 Y=621970.8 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"	450'	13-3/8"	48	ST&C	H-40	New	2.02	2.76	2.33
				Hole filled with 8.9# Mud			770#	1730#	
12-1/4"	3700'	9-5/8"	40	LT&C	J-55	New	1.18	1.2	2.17
				Hole filled with 10.0# Mud			2570#	3950#	
8-3/4"	12859'	5-1/2"	17	LT&C	N-80	New	1.45	1.53	2.05
				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/ 610sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 2500# 24hr CS 150% Excess
- 9-5/8" Intermediate Circulate cement to surface w/ 1170sx 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 200sx PP cmt w/ .5% WellLife-734, 14.8ppg 1.33 yield 1343# 24hr CS 125% Excess
- 5-1/2" Production Cement w/ 790sx IFH cmt w/ 5#/sx Kol-Seal + .5% Halad R-322 + .3% HR-601, 11.9ppg 2.49 yield 390# 24hr CS 75% Excess followed by 1150sx Super H cmt w/ 0.5 Halad 344 + 3#/sx salt + 0.4% CFR 3 + 5#/sx Kol Seal + .3% HR-601, 13.2ppg 1.62 yield 1515# 24hr CS 50%Excess. Calc TOC 3200'

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 450'	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
450 - 3700'	9.8-10.0	28-29	NC	Brine Water
3700 - 7600'	8.6-8.8	28-29	NC	Fresh Water
7600 - 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:

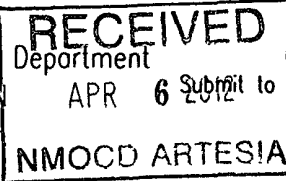
Geological Marker	Depth	Type	Source
a. Rustler	425'	Formation	Drilling
b. Top Salt	730'	Formation	Drilling
c. Bottom Salt	1740'	Formation	Drilling
d. Tansil	1850'	Oil/Gas	Drilling
e. Seven Rivers	2380'	Oil/Gas	Drilling
f. Delaware	3630'	Oil/Gas	Drilling
g. Bone Springs	5960'	Oil/Gas	Drilling
h. 1st Bone Spring	7625'	Oil/Gas	Drilling
i. 2nd Bone Springs	8389'	Oil/Gas	Drilling

State Lease Numbers

E0-7811 - B0-1565 - B0-2023

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
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	Pool Code 5200	Pool Name Benson Bone Springs
Property Code 38654	Property Name SMOKEY BITS State Com.	Well Number 6H
OGRID No. 192463	Operator Name OXY USA W.T.P. Limited Partnership	Elevation 3440.2'

Surface Location

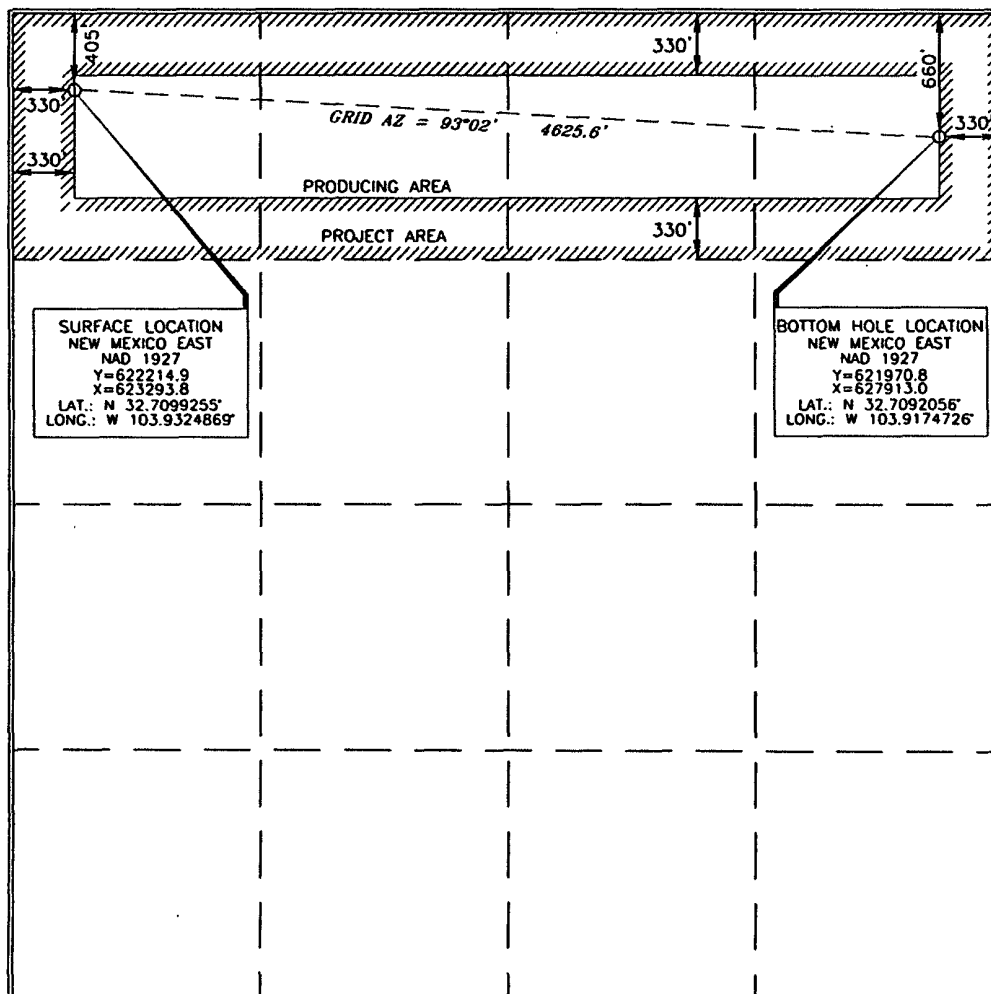
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	18 SOUTH	30 EAST, N.M.P.M.		405'	NORTH	330'	WEST	EDDY

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
A	36	18 SOUTH	30 EAST, N.M.P.M.		660'	NORTH	330'	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	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] 3/16/11
Signature Date

David Stewart - Reg. Advisor
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on the plat was located 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.

15079
JULY 21 2011
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

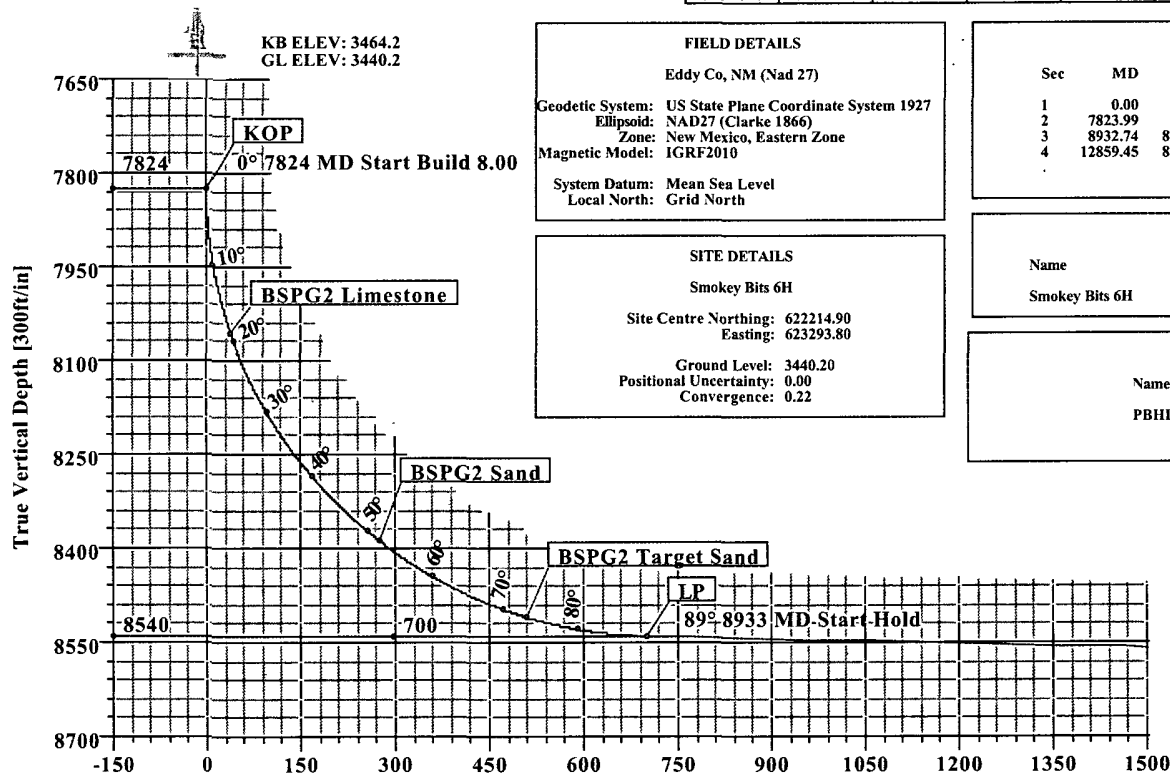
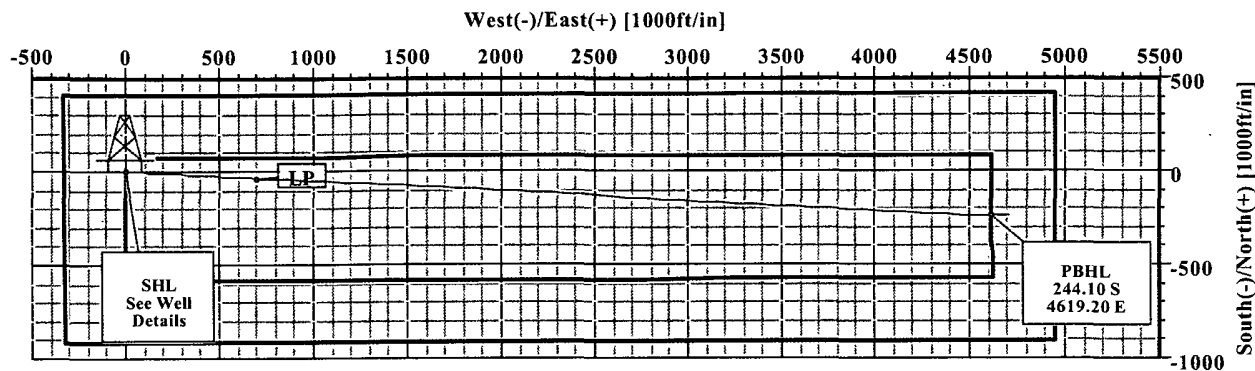
15079
Certificate Number

WO# 110721WL-b (KA)



Occidental Permian Ltd.

Smokey Bits 6H
Eddy Co, New Mexico



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

Smokey Bits 6H

Site Centre Northing: 622214.90
Easting: 623293.80

Ground Level: 3440.20
Positional Uncertainty: 0.00
Convergence: 0.22

SECTION DETAILS

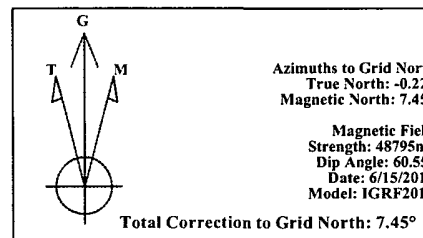
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	93.02	0.00	0.00	0.00	0.00	0.00	0.00	
2	7823.99	0.00	93.02	7823.99	0.00	0.00	0.00	0.00	0.00	
3	8932.74	88.70	93.02	8540.00	-36.94	698.97	8.00	93.02	699.95	
4	12859.45	88.70	93.02	8629.09	-244.10	4619.20	0.00	0.00	4625.65	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Smokey Bits 6H	0.00	0.00	622214.90	623293.80	32°42'35.731N	103°55'56.953W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8629.09	-244.10	4619.20	621970.80	627913.00	Point



Vertical Section at 93.02° [500ft/in]

Plan: Plan #1 (Smokey Bits 6H/1)

Created By: Keith Noack

Date: 2/10/2012



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 2/10/2012	Time: 09:47:12	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Smokey Bits 6H, Grid North		
Site: Smokey Bits 6H	Vertical (TVD) Reference: SITE 3464.2		
Well: Smokey Bits 6H	Section (VS) Reference: Well (0.00N,0.00E,93.02Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 2/7/2012
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:		Smokey Bits 6H				
Site Position:		Northing:	622214.90	ft	Latitude:	32 42 35.731 N
From:	Map	Easting:	623293.80	ft	Longitude:	103 55 56.953 W
Position Uncertainty:			0.00	ft	North Reference:	Grid
Ground Level:			3440.20	ft	Grid Convergence:	0.22 deg

Well: Smokey Bits 6H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 42 35.731 N
+E/-W 0.00 ft	Longitude: 103 55 56.953 W
Position Uncertainty: 0.00 ft	

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3464.20 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 6/15/2012		Above System Datum: Mean Sea Level	
Field Strength: 48795 nT		Declination: 7.67 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.55 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	93.02

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	93.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7823.99	0.00	93.02	7823.99	0.00	0.00	0.00	0.00	0.00	0.00	
8932.74	88.70	93.02	8540.00	-36.94	698.97	8.00	8.00	0.00	93.02	
12859.45	88.70	93.02	8629.09	-244.10	4619.20	0.00	0.00	0.00	0.00	PBHL

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	0.00	93.02	7800.00	0.00	0.00	0.00	0.00	622214.90	623293.80	
7823.99	0.00	93.02	7823.99	0.00	0.00	0.00	0.00	622214.90	623293.80	KOP
7900.00	6.08	93.02	7899.86	-0.21	4.02	4.03	8.00	622214.69	623297.82	
8000.00	14.08	93.02	7998.23	-1.14	21.49	21.52	8.00	622213.76	623315.29	
8059.21	18.82	93.02	8055.00	-2.02	38.23	38.28	8.00	622212.88	623332.03	BSPG2 Limestone
8100.00	22.08	93.02	8093.22	-2.77	52.46	52.53	8.00	622212.13	623346.26	
8200.00	30.08	93.02	8182.96	-5.09	96.32	96.46	8.00	622209.81	623390.12	
8300.00	38.08	93.02	8265.72	-8.04	152.24	152.45	8.00	622206.86	623446.04	
8400.00	46.08	93.02	8339.88	-11.58	219.11	219.41	8.00	622203.32	623512.91	
8475.03	52.08	93.02	8389.00	-14.57	275.70	276.08	8.00	622200.33	623569.50	BSPG2 Sand
8500.00	54.08	93.02	8404.00	-15.62	295.63	296.04	8.00	622199.28	623589.43	
8600.00	62.08	93.02	8456.83	-20.10	380.32	380.85	8.00	622194.80	623674.12	
8700.00	70.08	93.02	8497.34	-24.92	471.53	472.19	8.00	622189.98	623765.33	
8740.31	73.31	93.02	8510.00	-26.94	509.74	510.46	8.00	622187.96	623803.54	BSPG2 Target Sand
8800.00	78.08	93.02	8524.75	-29.99	567.49	568.28	8.00	622184.91	623861.29	
8900.00	86.08	93.02	8538.51	-35.21	666.32	667.24	8.00	622179.69	623960.12	
8932.74	88.70	93.02	8540.00	-36.94	698.97	699.95	8.00	622177.96	623992.77	LP



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	2/10/2012	Time:	09:47:12	Page:	2
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Smokey Bits 6H, Grid North				
Site:	Smokey Bits 6H	Vertical (TVD) Reference:	SITE 3464.2				
Well:	Smokey Bits 6H	Section (VS) Reference:	Well (0.00N,0.00E,93.02Azi)				
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
9000.00	88.70	93.02	8541.53	-40.49	766.12	767.19	0.00	622174.41	624059.92	
9100.00	88.70	93.02	8543.80	-45.76	865.96	867.17	0.00	622169.14	624159.76	
9200.00	88.70	93.02	8546.07	-51.04	965.79	967.14	0.00	622163.86	624259.59	
9300.00	88.70	93.02	8548.34	-56.31	1065.63	1067.11	0.00	622158.59	624359.43	
9400.00	88.70	93.02	8550.60	-61.59	1165.46	1167.09	0.00	622153.31	624459.26	
9500.00	88.70	93.02	8552.87	-66.86	1265.30	1267.06	0.00	622148.04	624559.10	
9600.00	88.70	93.02	8555.14	-72.14	1365.13	1367.04	0.00	622142.76	624658.93	
9700.00	88.70	93.02	8557.41	-77.42	1464.97	1467.01	0.00	622137.48	624758.77	
9800.00	88.70	93.02	8559.68	-82.69	1564.80	1566.98	0.00	622132.21	624858.60	
9900.00	88.70	93.02	8561.95	-87.97	1664.64	1666.96	0.00	622126.93	624958.44	
10000.00	88.70	93.02	8564.22	-93.24	1764.47	1766.93	0.00	622121.66	625058.27	
10100.00	88.70	93.02	8566.49	-98.52	1864.31	1866.91	0.00	622116.38	625158.11	
10200.00	88.70	93.02	8568.75	-103.79	1964.14	1966.88	0.00	622111.11	625257.94	
10300.00	88.70	93.02	8571.02	-109.07	2063.98	2066.86	0.00	622105.83	625357.78	
10400.00	88.70	93.02	8573.29	-114.35	2163.81	2166.83	0.00	622100.55	625457.61	
10500.00	88.70	93.02	8575.56	-119.62	2263.65	2266.80	0.00	622095.28	625557.45	
10600.00	88.70	93.02	8577.83	-124.90	2363.48	2366.78	0.00	622090.00	625657.28	
10700.00	88.70	93.02	8580.10	-130.17	2463.32	2466.75	0.00	622084.73	625757.12	
10800.00	88.70	93.02	8582.37	-135.45	2563.15	2566.73	0.00	622079.45	625856.95	
10900.00	88.70	93.02	8584.64	-140.72	2662.99	2666.70	0.00	622074.18	625956.79	
11000.00	88.70	93.02	8586.90	-146.00	2762.82	2766.68	0.00	622068.90	626056.62	
11100.00	88.70	93.02	8589.17	-151.28	2862.66	2866.65	0.00	622063.62	626156.46	
11200.00	88.70	93.02	8591.44	-156.55	2962.49	2966.62	0.00	622058.35	626256.29	
11300.00	88.70	93.02	8593.71	-161.83	3062.33	3066.60	0.00	622053.07	626356.13	
11400.00	88.70	93.02	8595.98	-167.10	3162.16	3166.57	0.00	622047.80	626455.96	
11500.00	88.70	93.02	8598.25	-172.38	3262.00	3266.55	0.00	622042.52	626555.80	
11600.00	88.70	93.02	8600.52	-177.65	3361.83	3366.52	0.00	622037.25	626655.63	
11700.00	88.70	93.02	8602.79	-182.93	3461.67	3466.50	0.00	622031.97	626755.47	
11800.00	88.70	93.02	8605.05	-188.21	3561.50	3566.47	0.00	622026.69	626855.30	
11900.00	88.70	93.02	8607.32	-193.48	3661.34	3666.44	0.00	622021.42	626955.14	
12000.00	88.70	93.02	8609.59	-198.76	3761.17	3766.42	0.00	622016.14	627054.97	
12100.00	88.70	93.02	8611.86	-204.03	3861.01	3866.39	0.00	622010.87	627154.81	
12200.00	88.70	93.02	8614.13	-209.31	3960.84	3966.37	0.00	622005.59	627254.64	
12300.00	88.70	93.02	8616.40	-214.58	4060.68	4066.34	0.00	622000.32	627354.48	
12400.00	88.70	93.02	8618.67	-219.86	4160.51	4166.32	0.00	621995.04	627454.31	
12500.00	88.70	93.02	8620.94	-225.14	4260.35	4266.29	0.00	621989.76	627554.15	
12600.00	88.70	93.02	8623.20	-230.41	4360.18	4366.26	0.00	621984.49	627653.98	
12700.00	88.70	93.02	8625.47	-235.69	4460.02	4466.24	0.00	621979.21	627753.82	
12800.00	88.70	93.02	8627.74	-240.96	4559.85	4566.21	0.00	621973.94	627853.65	
12859.45	88.70	93.02	8629.09	-244.10	4619.20	4625.65	0.00	621970.80	627913.00	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			8629.09	-244.10	4619.20	621970.80	627913.00	32 42 33.140 N	103 55 2.901 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	2/10/2012	Time:	09:47:12	Page:	3
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Smokey Bits 6H, Grid North				
Site:	Smokey Bits 6H	Vertical (TVD) Reference:	SITE 3464.2				
Well:	Smokey Bits 6H	Section (VS) Reference:	Well (0.00N,0.00E,93.02Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature Db: Sybase				

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
510.00	510.00	0.000	0.000	Sfc Csg
3660.00	3660.00	0.000	0.000	Int Csg

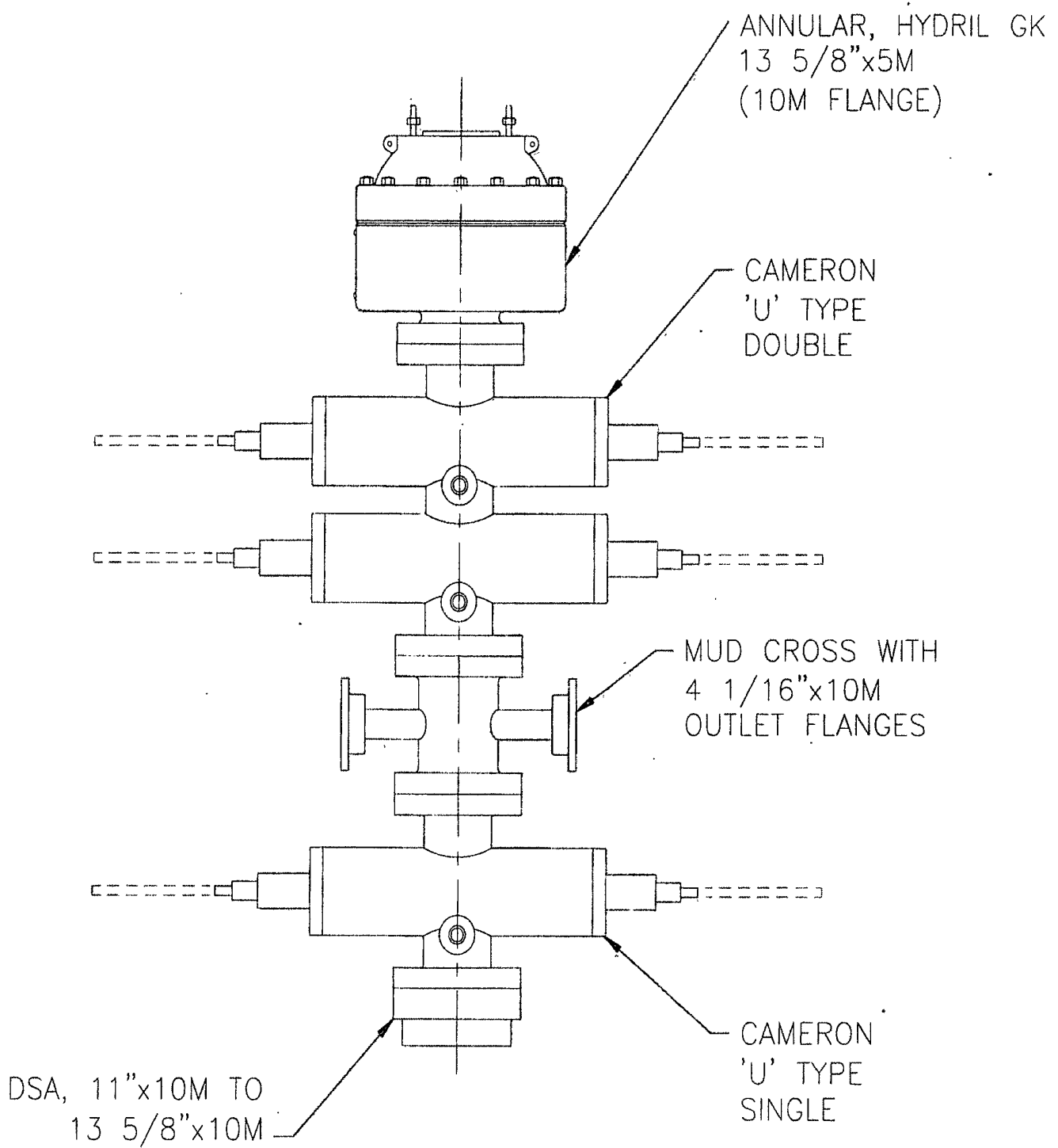
Annotation

MD ft	TVD ft	
7823.99	7823.99	KOP
8932.74	8540.00	LP
12859.44	8629.09	PBHL

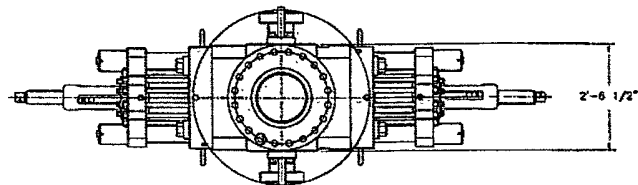
Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5960.00	5960.00	Bone Spring Limestone		0.00	0.00
7625.00	7625.00	BSPG1 Sand		0.00	0.00
8059.21	8055.00	BSPG2 Limestone		0.00	0.00
8475.03	8389.00	BSPG2 Sand		0.00	0.00
8740.31	8510.00	BSPG2 Target Sand		0.00	0.00

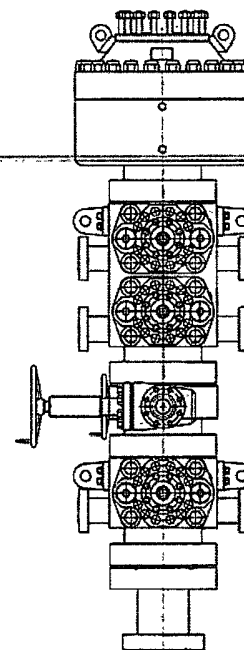
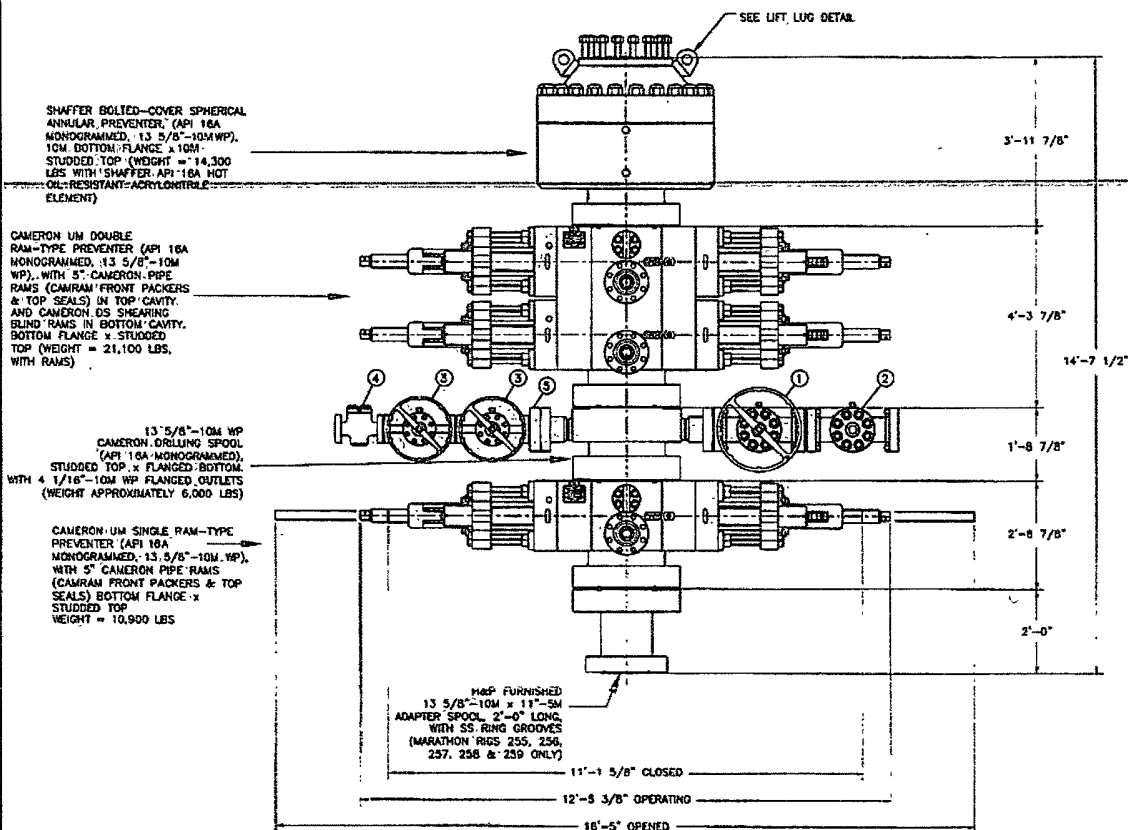
BOP Diagram



BOP STACK



- LEGEND**
- ① - 4 1/16"-10M FLANGED END GATE VALVE
 - ② - 4 1/16"-10M FLANGED END GATE VALVE WITH DOUBLE ACTING HYDRAULIC ACTUATOR
 - ③ - 2 1/16"-10M FLANGED END GATE VALVE
 - ④ - 2 1/16"-10M FLANGED END CHECK VALVE
 - ⑤ - DOUBLE STUDDED ADAPTER



CAMERON LIFT EYES, 2 PER PREVENTER, 50 SHORT-TON RATED CAPACITY EACH.

ISSUED FOR FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

API 18A MONOGRAMMED CAMERON CHOKE AND KILL WING VALVE ASSEMBLIES ARE NOT SHOWN FOR CLARITY

WEIGHTS DO NOT INCLUDE HOSES, ADAPTER SPOOLS OR QUICK CONNECT FITTINGS

PROPRIETARY

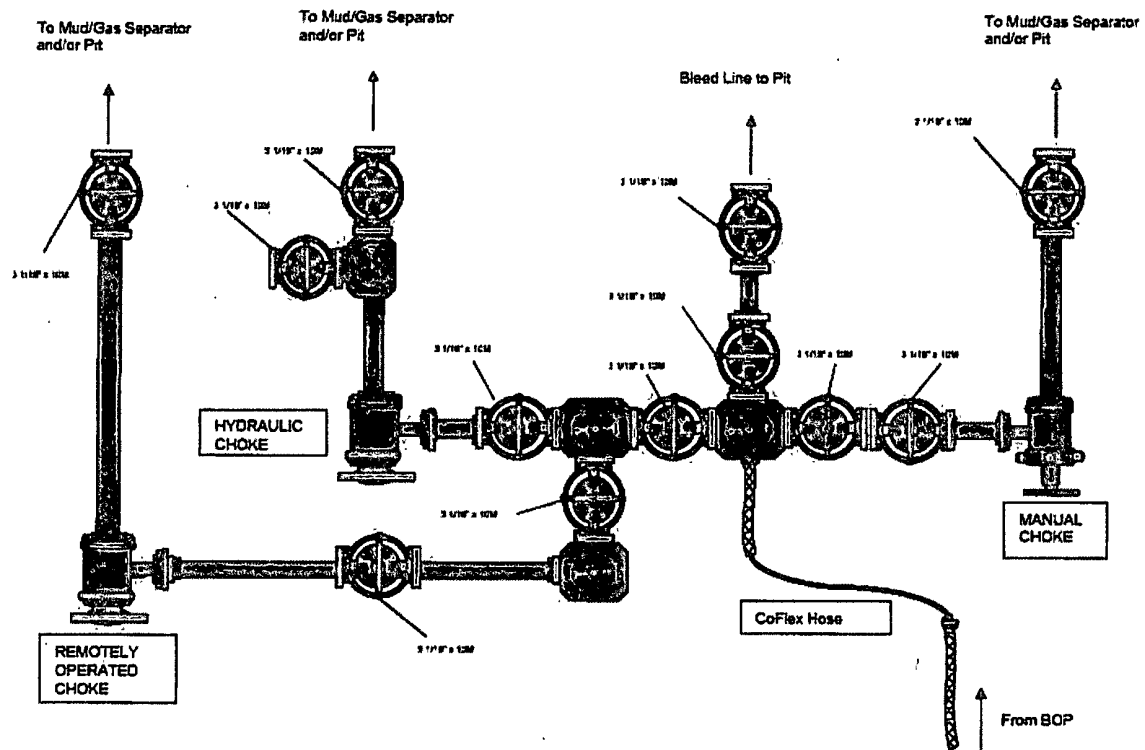
THIS DRAWING AND THE DATA AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INTL. DRILLING CO.

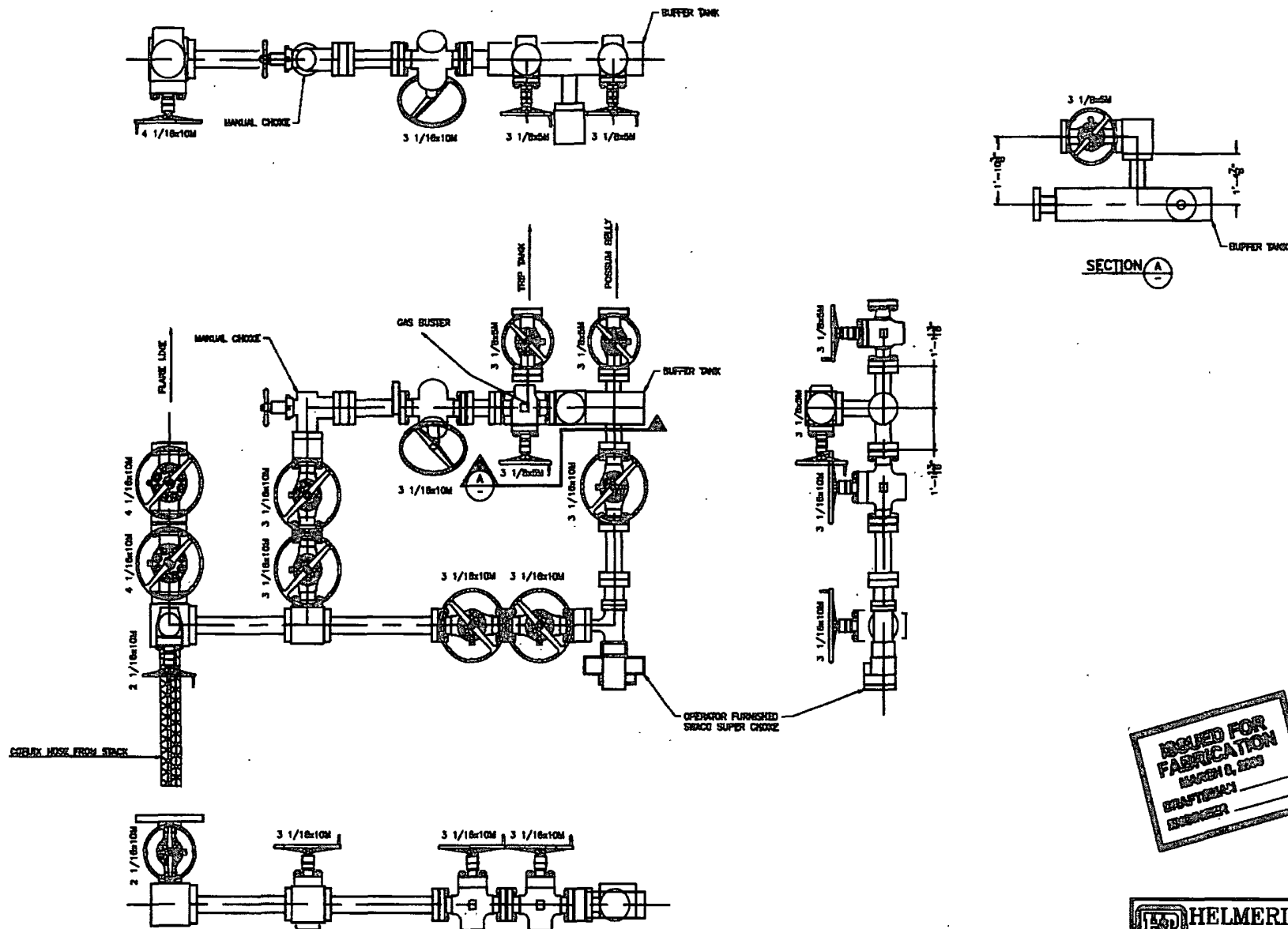
13 5/8"-10M STACK

ENGINEERING APPROVAL		DATE	TITLE
12/18/07	ADDED SHEET 03	JAV	13 5/8"-10M BOP 3 RAM STACK FLEXRIG3
6-10-07	REVISION: REPAIR BOP 3 RAM STACK (RIGS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	JAV	13 5/8"-10M BOP 3 RAM STACK FLEXRIG3
6-10-07	ADDED TO SPACER ADAPTER SPOOL	JAV	
02-07-07	ADDED ADAPTER SPOOL	MKL	
06-13-02	CORRECTED BOP STACK	MKL	
REV	DATE	DESCRIPTION	BY

HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
13 5/8"-10M BOP 3 RAM STACK FLEXRIG3	
CUSTOMER: H&P	
PROJECT: FLEXRIG3	
DRAWN: MTS	DATE: 6-5-02
SCALE: 3/4"=1'	SHEET: 1 OF 1
NO. 210-P1-07	REV: E

10M CHOKE MANIFOLD CONFIGURATION





ISSUED FOR
FABRICATION
MARCH 6, 1953
CRAFTSMAN
ENGINEER

PROPRIETARY

THIS DESIGN AND THE HERE AND INFORMATION CONTAINED
HEREIN ARE THE PROPERTY OF HELMERICH & PAYNE
INTERNATIONAL DRILLING CO. AND ARE NOT TO BE
REPRODUCED, COPIED, OR DISCLOSED IN ANY MANNER
WITHOUT THE WRITTEN PERMISSION OF A DULY AUTHORIZED
OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

**HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.**

REVISIONS		DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
1	10/15/52	ADJUST DIM TO FIELD OCCUPANCY	DM				
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							

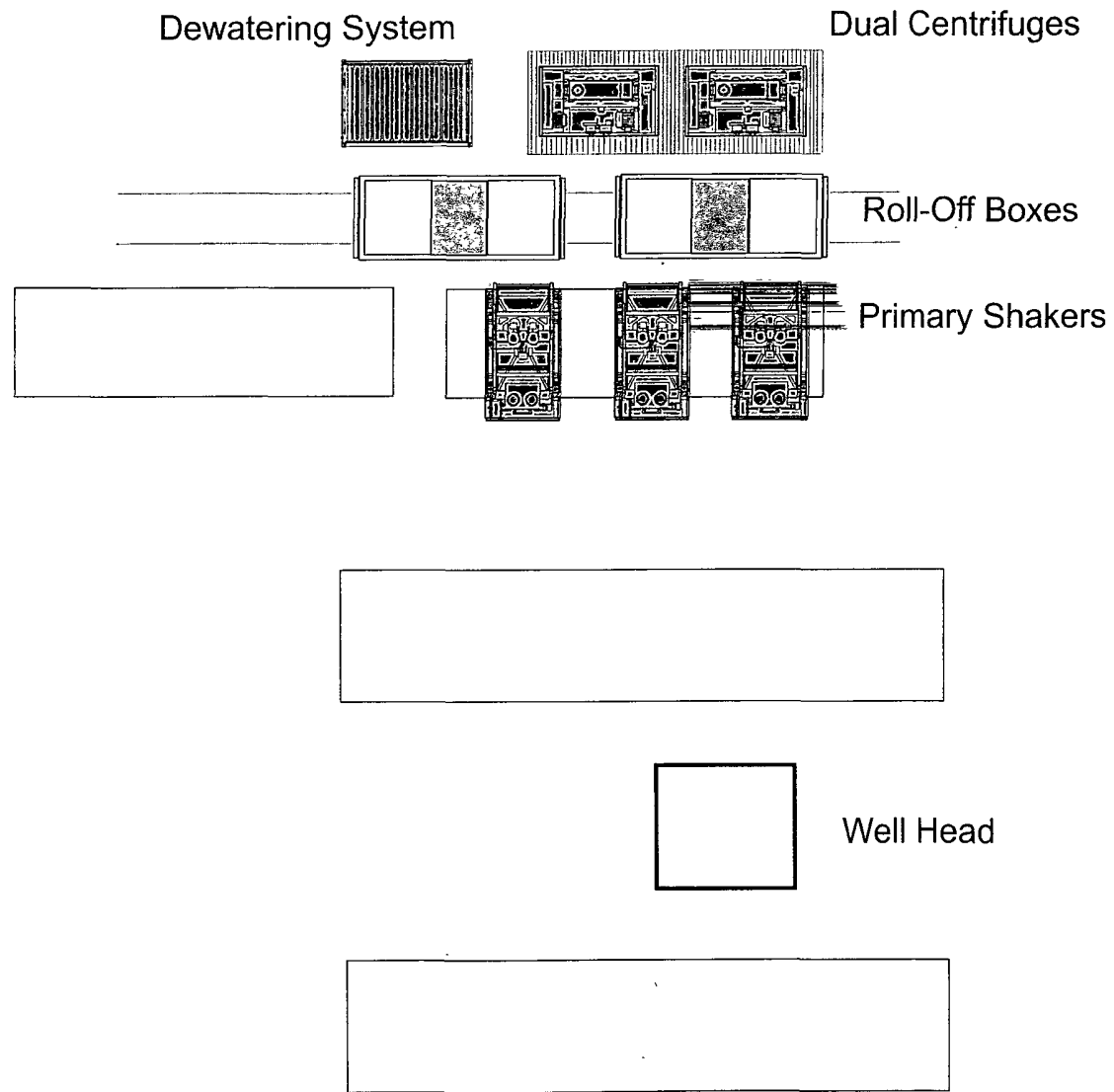
CHOKE MANIFOLD

CLIENT: MAP
PROJECT: FLEX003
DATE: 10/15/52
SCALE: 3/4"=1'
SHEET: 1 OF 1
216-P1-05 A

[illegible]

40'-0" x 10'-0"
MEETING/CHANGE HOUSE

—FAST IN HORIZONTAL POSITION



MI SWACO

5950 NORTH COURSE DRIVE, HOUSTON, TX 77072