ATS-11-624

Form 3160-3
(August 1999)

Split Estate

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM106689

1a. Type of Work: [X] DRILL ✓ [ ] REENTER

6. If Indian, Allotee or Tribe Name:

1b. Type of Well: [X] Oil Well ✓ [ ] Gas Well [ ] Other [X] Single Zone ✓ [ ] Multiple Zone

7. Unit or CA Agreement Name and No.:

2. Name of Operator: OXY USA Inc. 16696

8. Lease Name and Well No.: Bank 13 Federal Com. #1H

3a. Address: P.O. Box 50250 Midland, TX 79710-0250

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

9. API Well No.: 30-015- 39456

4. Location of Well (*Report location clearly and in accordance with any State equirements*)*

At surface: 660 FSL 1980 FEL SWSE(O) 40350

10. Field and Pool, or Exploratory: ~~Undsg, Loving Brushy Canyon~~ Loving, Brushy Canyon, E.

At proposed prod. zone: 330 FNL 1650 FEL NWNE(B)

11. Sec., T., R., M., or Blk. and Survey or Area: Sec 13 T23S R28E

14. Distance in miles and direction from nearest town or post office*: 4 miles northeast from Loving, NM

12. County or Parish: Eddy

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg unit line, if any)	16. No. of Acres in lease	17. Spacing Unit dedicated to this well
330'	160	160

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	19. Proposed Depth	20. BLM/BIA Bond No. on file
N/A	10020'M 5925'V ✓	ES0136

21. Elevations (Show whether DF, KDB, RT, GL, etc	22. Approximate date work will start*	23. Estimated duration
2977.8' GL ✓	6/1/11	45

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25 Signature	Name (*Printed/Typed*)	Date
	David Stewart	4/15/11

Title: Sr. Regulatory Analyst

Approved by (Signautre)	Name (*Printed/Typed*)	Date
/s/ Don Peterson		SEP 9 2011

Title	Office
FIELD MANAGER	CARLSBAD FIELD OFFICE

Application approval 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
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowlingly 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 Reverse)

Carlsbad Controlled Water Basin

RECEIVED
SEP 19 2011
NMOCD ARTESIA

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Pvt Surface: Intrepid

DRILLING PROGRAM

Operator Name/Number:	**OXY USA Inc.**	**16696**
Lease Name/Number:	**Bank 13 Federal Com. #1H**	**Federal Lease No. NMNM106689**
Pool Name/Number:	**Undesignated Loving Brushy Canyon, East**	**40350**
Surface Location:	**660 FSL 1980 FEL SWSE(O) Sec 13 T23S R28E**	
Bottom Hole Location:	**330 FNL 1650 FEL NWNE(B) Sec 13 T23S R28E**	

Proposed TD: 5925' TVD 10020' TMD **Elevation: 2977.8' GL**
SL - Lat: 32.2999202 Long: 104.0380373 X= 591241.1 Y= 472953.5 NAD - 1927
BH - Lat: 32.3118161 Long: 104.0369110 X= 591577.2 Y= 477281.9 NAD - 1927

1. Geologic Name of Surface Formation:

a. Permian

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

Geological Marker	Depth	Type
a. Upper Permian Sand	170'	Water
b. Top Salt	550'	---
c. Base Salt	2480'	---
d. Delaware	2680'	Oil
e. Bell Canyon	2715'	Oil
f. Brushy Canyon	5860'	Oil

3. Casing Program:

See COA

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	~~550~~ 250	13-3/8"	48	ST&C	H-40	New	2.8	4.62	2.58
				Hole filled with 8.4# Mud			770#	1730#	
12-1/4"	2700'	9-5/8"	40	LT&C	J-55	New	1.62	1.24	2.58
				Hole filled with 10# Mud			2570#	3950#	
8-3/4"	10020' M	5-1/2"	17	LT&C	N-80	New	2.12	1.53	1.95
DVT @ 5000' - POST @ 2750'				Hole filled with 9.2# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

4. Cement Program

a. 13-3/8" Surface Circulate cement to surface w/ 480sx PP cmt w/ 4% Bentonite + .125#/sx Poly-E-Flake + 2% CaCl2, 13.5ppg 1.75 yield 165% Excess followed by 200sx PP cmt w/ 2% CaCl2 14.8ppg 1.35 yield 165% Excess

b. 9-5/8" Intermediate Circulate cement to surface w/ 650sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 5#/sx Gilsonite, 12.4ppg 2.10 yield 105% Excess followed by 200sx PP cmt w/ 1% CaCl2, 14.8ppg 1.34 yield 105% Excess

c. 5-1/2" Production Cement 1st stage w/ 1495sx Super H w/ .5% Halad-344 + .4% CFR-3 + 3#/sx Gilsonite + .3% HR-800 + .125#/sx Poly-E-Flake, 13.2ppg 1.59 yield 85% Excess, Calc TOC-4995'
Cement 2nd stage w/ 550sx HES light PP cmt w/ 3#/sx Salt + .125#/sx Pheno Seal + 5#/sx Gilsonite, 12.4ppg 2.09 yield 125% Excess followed by 100sx PP cmt w/ w/ 1% CaCl2., 14.8ppg 1.34 yield 125% Excess, Calc TOC-2745'
Cement 3rd stage w/ 425sx HES Light PP cmt w/ 3#/sx Salt, 12.4ppg 1.98 yield 35% Excess followed by 100sx PP cmt w/ 2% CaCl2, 14.8ppg 1.35 yield 35% Excess, Circ Surface

5. Pressure Control Equipment:

Surface None

Production 13-5/8" 10M two ram stack w/ 5M annular preventer, 10M Choke Manifold

All BOP's and associated equipment will be tested in accordance with Onshore Order #2 (250/5000 psi on rams for 10 minutes each and 250/3500 for 10 minutes for annular preventer, equal to 70% of working pressure) with a third party BOP testing service before drilling out the 13-3/8" casing shoe. Wellhead pressure rating will support this test and 13-3/8" casing will be protected from high pressure. Since the wellhead system is a multibowl design, this initial test will cover the requirements prior to drilling out the 9-5/8" casing shoe.

Pipe Rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be accommodated on the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having a 5000 psi WP rating.
OXY requests that the entire system be tested as a 5000psi WP rating.

OXY also requests a variance to connect the BOP outlet to the choke manifold using a co-flex hose that is manufactured by Contitech Rubber Industrial KFT. It is a 3" ID X 35' flexible hose rated to 10000psi working pressure. It has been tested to15000psi and is built to API Spec 16C. Once the flex line is installed, it will be tied down with safety clamps, see attached for certifications.

6. Proposed Mud Circulation System

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System	
0 - ~~550'~~ 250		8.4-8.9	32-34	NC	Fresh Water/Spud Mud
~~550~~ - ~~3100'~~ 2700		9.8-10.0	28-29	NC	Brine Water
~~3100~~ - 6200'		8.6-8.8	28-29	NC	Fresh Water
6200 - 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.

7. Auxiliary Well Control and Monitoring Equipment:

a. A Kelly cock will be in the drill string at all times.
b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
c. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached.

8. Logging, Coring and Testing Program: See COA

a. Drill stem tests are not anticipated but if done will be based on geological sample shows.
b. The open hole electrical logging program will consist of a GR.
c. No coring program is planned but if done will be sidewall rotary cores.
d. No mudloggers are currently programmed for this well.

9. Potential Hazards:

No abnormal pressures, temperatures or H_2S gas are expected. The highest anticipated pressure gradient would be 0.54psi/ft or 3700psi. If H_2S is encountered the operator will comply with the provisions of Onshore Oil & Gas Order No.6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

10. Anticipated Starting Date and Duration of Operations:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon as possible after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 45 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.

Weatherford®

Drilling Services

Proposal

OCCIDENTAL PERMIAN LTD.

NORTH BANK 13 FED 1H

EDDY CO, NEW MEXICO

WELL FILE: **PLAN 1**

APRIL 15, 2011

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

Occidental Permian Ltd.
North Bank 13 Fed #1H
Eddy Co, NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	
2	5352.04	0.00	4.44	5352.04	0.00	0.00	0.00	0.00	0.00	
3	6252.04	90.00	4.44	5925.00	571.24	44.36	10.00	4.44	572.96	
4	10020.51	90.00	4.44	5925.00	4328.40	336.10	0.00	0.00	4341.43	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
1H	0.00	0.00	472953.50	591241.10	32°17'59.713N	104°02'16.935W	N/A

TARGET DETAILS

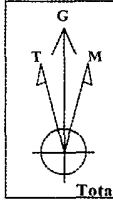
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	5925.00	4328.40	336.10	477281.90	591577.20	Point

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



Azimuths to Grid North
True North: -0.16°
Magnetic North: 7.67°

Magnetic Field
Strength: 48652nT
Dip Angle: 60.18°
Date: 4/15/2011
Model: IGRF2010

Total Correction to Grid North: 7.67°

SITE DETAILS

North Bank 13 Fed. #1H

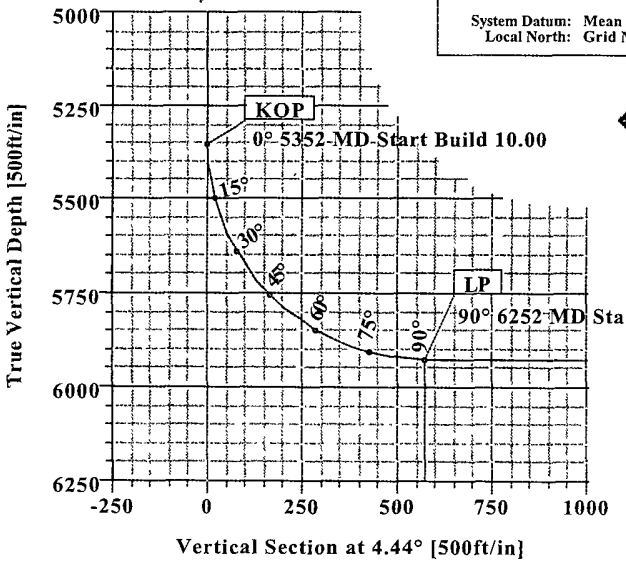
Site Centre Northing: 472953.50
Easting: 591241.10

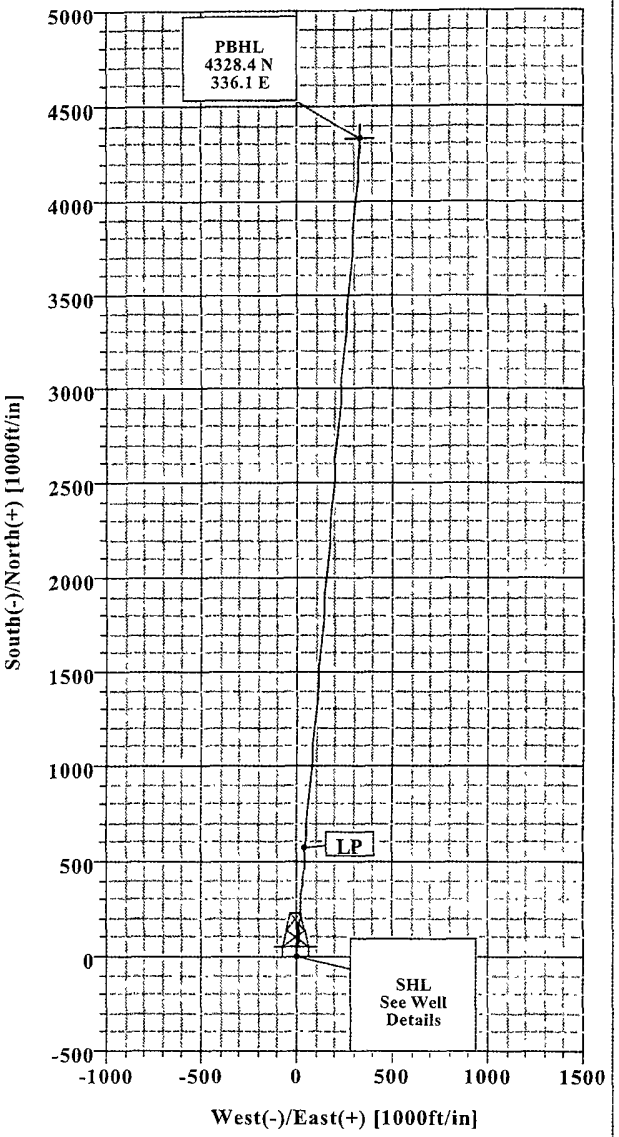
Ground Level: 2977.80
Positional Uncertainty: 0.00
Convergence: 0.16

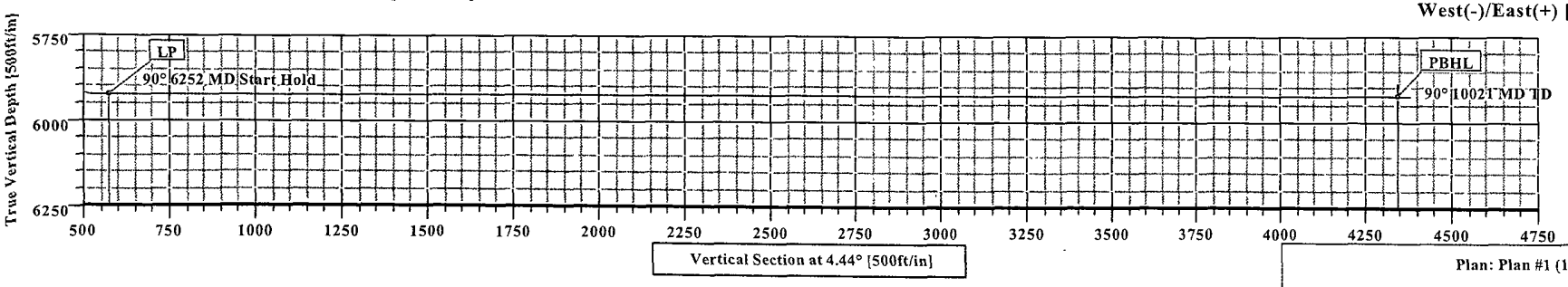
LEGEND

Plan #1

KB ELEV: 3002.3
GL ELEV: 2977.8







Plan: Plan #1 (1H/1)

Created By: Keith Noack Date: 4/15/2011

Weatherford International Ltd.

WFT Plan Report - X & Y's

Weatherford

Company:	Occidental Permian Ltd.	**Date:**	4/15/2011	**Time:**	08:05:20	**Page:**	1
Field:	Eddy Co, NM (Nad 27)	**Co-ordinate(NE) Reference:**	Well: 1H, Grid North				
Site:	North Bank 13 Fed. #1H	**Vertical (TVD) Reference:**	SITE 3002.3				
Well:	1H	**Section (VS) Reference:**	Well (0.00N,0.00E,4.44Azi)				
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase		

Plan:	Plan #1	**Date Composed:**	4/15/2011
		Version:	1
Principal:	Yes	**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:	North Bank 13 Fed. #1H						
Site Position:		**Northing:**	472953.50 ft	**Latitude:**	32	17	59.713 N
From:	Map	**Easting:**	591241.10 ft	**Longitude:**	104	2	16.935 W
Position Uncertainty:	0.00 ft			**North Reference:**			Grid
Ground Level:	2977.80 ft			**Grid Convergence:**			0.16 deg

Well:	1H					**Slot Name:**		
Well Position:	+N/-S	0.00 ft	**Northing:**	472953.50 ft	**Latitude:**	32	17	59.713 N
	+E/-W	0.00 ft	**Easting :**	591241.10 ft	**Longitude:**	104	2	16.935 W
Position Uncertainty:		0.00 ft						

Wellpath:	1		**Drilled From:**	Surface	
			Tie-on Depth:	0.00	ft
Current Datum:	SITE	**Height** 3002.30 ft	**Above System Datum:**	Mean Sea Level	
Magnetic Data:	4/15/2011		**Declination:**	7.83	deg
Field Strength:	48652 nT		**Mag Dip Angle:**	60.18	deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	5925.00	0.00	0.00	4.44

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	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5352.04	0.00	4.44	5352.04	0.00	0.00	0.00	0.00	0.00	0.00	
6252.04	90.00	4.44	5925.00	571.24	44.36	10.00	10.00	0.00	4.44	
10020.51	90.00	4.44	5925.00	4328.40	336.10	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
5300.00	0.00	4.44	5300.00	0.00	0.00	0.00	0.00	472953.50	591241.10	
5352.04	0.00	4.44	5352.04	0.00	0.00	0.00	0.00	472953.50	591241.10	KOP
5400.00	4.80	4.44	5399.94	2.00	0.16	2.01	10.00	472955.50	591241.26	
5500.00	14.80	4.44	5498.36	18.94	1.47	19.00	10.00	472972.44	591242.57	
5600.00	24.80	4.44	5592.33	52.66	4.09	52.82	10.00	473006.16	591245.19	
5700.00	34.80	4.44	5679.00	102.14	7.93	102.45	10.00	473055.64	591249.03	
5800.00	44.80	4.44	5755.74	165.87	12.88	166.37	10.00	473119.37	591253.98	
5900.00	54.80	4.44	5820.21	241.92	18.79	242.65	10.00	473195.42	591259.89	
6000.00	64.80	4.44	5870.45	327.98	25.47	328.97	10.00	473281.48	591266.57	
6100.00	74.80	4.44	5904.94	421.43	32.72	422.69	10.00	473374.93	591273.82	
6200.00	84.80	4.44	5922.64	519.42	40.33	520.99	10.00	473472.92	591281.43	
6252.04	90.00	4.44	5925.00	571.24	44.36	572.96	10.00	473524.74	591285.46	LP
6300.00	90.00	4.44	5925.00	619.05	48.07	620.92	0.00	473572.55	591289.17	
6400.00	90.00	4.44	5925.00	718.75	55.81	720.92	0.00	473672.25	591296.91	
6500.00	90.00	4.44	5925.00	818.45	63.55	820.92	0.00	473771.95	591304.65	
6600.00	90.00	4.44	5925.00	918.15	71.29	920.92	0.00	473871.65	591312.39	
6700.00	90.00	4.44	5925.00	1017.85	79.04	1020.92	0.00	473971.35	591320.14	

Weatherford International Ltd.
WFT Plan Report - X & Y's

Company:	Occidental Permian Ltd.	Date: 4/15/2011	Time: 08:05:20	Page:	2
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H, Grid: North		
Site:	North Bank 13 Fed #1H	Vertical (TVD) Reference:	SITE 3002.3		
Well:	1H	Section (VS) Reference:	Well (0.00N,0.00E,4.44Azi)		
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
6800.00	90.00	4.44	5925.00	1117.55	86.78	1120.92	0.00	474071.05	591327.88	
6900.00	90.00	4.44	5925.00	1217.25	94.52	1220.92	0.00	474170.75	591335.62	
7000.00	90.00	4.44	5925.00	1316.95	102.26	1320.92	0.00	474270.45	591343.36	
7100.00	90.00	4.44	5925.00	1416.65	110.00	1420.92	0.00	474370.15	591351.10	
7200.00	90.00	4.44	5925.00	1516.35	117.74	1520.92	0.00	474469.85	591358.84	
7300.00	90.00	4.44	5925.00	1616.05	125.49	1620.92	0.00	474569.55	591366.59	
7400.00	90.00	4.44	5925.00	1715.75	133.23	1720.92	0.00	474669.25	591374.33	
7500.00	90.00	4.44	5925.00	1815.45	140.97	1820.92	0.00	474768.95	591382.07	
7600.00	90.00	4.44	5925.00	1915.15	148.71	1920.92	0.00	474868.65	591389.81	
7700.00	90.00	4.44	5925.00	2014.85	156.45	2020.92	0.00	474968.35	591397.55	
7800.00	90.00	4.44	5925.00	2114.55	164.19	2120.92	0.00	475068.05	591405.29	
7900.00	90.00	4.44	5925.00	2214.25	171.94	2220.92	0.00	475167.75	591413.04	
8000.00	90.00	4.44	5925.00	2313.95	179.68	2320.92	0.00	475267.45	591420.78	
8100.00	90.00	4.44	5925.00	2413.65	187.42	2420.92	0.00	475367.15	591428.52	
8200.00	90.00	4.44	5925.00	2513.35	195.16	2520.92	0.00	475466.85	591436.26	
8300.00	90.00	4.44	5925.00	2613.05	202.90	2620.92	0.00	475566.55	591444.00	
8400.00	90.00	4.44	5925.00	2712.75	210.64	2720.92	0.00	475666.25	591451.74	
8500.00	90.00	4.44	5925.00	2812.45	218.39	2820.92	0.00	475765.95	591459.49	
8600.00	90.00	4.44	5925.00	2912.15	226.13	2920.92	0.00	475865.65	591467.23	
8700.00	90.00	4.44	5925.00	3011.85	233.87	3020.92	0.00	475965.35	591474.97	
8800.00	90.00	4.44	5925.00	3111.55	241.61	3120.92	0.00	476065.05	591482.71	
8900.00	90.00	4.44	5925.00	3211.25	249.35	3220.92	0.00	476164.75	591490.45	
9000.00	90.00	4.44	5925.00	3310.95	257.09	3320.92	0.00	476264.45	591498.19	
9100.00	90.00	4.44	5925.00	3410.65	264.84	3420.92	0.00	476364.15	591505.94	
9200.00	90.00	4.44	5925.00	3510.35	272.58	3520.92	0.00	476463.85	591513.68	
9300.00	90.00	4.44	5925.00	3610.05	280.32	3620.92	0.00	476563.55	591521.42	
9400.00	90.00	4.44	5925.00	3709.75	288.06	3720.92	0.00	476663.25	591529.16	
9500.00	90.00	4.44	5925.00	3809.45	295.80	3820.92	0.00	476762.95	591536.90	
9600.00	90.00	4.44	5925.00	3909.15	303.55	3920.92	0.00	476862.65	591544.65	
9700.00	90.00	4.44	5925.00	4008.85	311.29	4020.92	0.00	476962.35	591552.39	
9800.00	90.00	4.44	5925.00	4108.55	319.03	4120.92	0.00	477062.05	591560.13	
9900.00	90.00	4.44	5925.00	4208.25	326.77	4220.92	0.00	477161.75	591567.87	
10000.00	90.00	4.44	5925.00	4307.95	334.51	4320.92	0.00	477261.45	591575.61	
10020.51	90.00	4.44	5925.00	4328.40	336.10	4341.43	0.00	477281.90	591577.20	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			5925.00	4328.40	336.10	477281.90	591577.20	32	18	42.538	N	104	2	12.880	W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Weatherford International Ltd.

WFT Plan Report - X & Y's

Company:	Occidental Permian Ltd.	**Date:**	4/15/2011	**Time:**	08:05:20	**Page:**	3
Field:	Eddy Co. NM (Nad 27)	**Co-ordinate(NE) Reference:**	Well: 1H, Grid North				
Site:	North Bank 13 Fed. #1H	**Vertical (TVD) Reference:**	SITE 3002.3				
Well:	1H	**Section (VS) Reference:**	Well (0.00N,0.00E,4.44Azi)				
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase		

Annotation

MD ft	TVD ft	
5352.04	5352.04	KOP
6252.04	5925.00	LP
10020.51	5925.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Weatherford Drilling Services

GeoDec v5.03

Report Date:	April 15, 2011
Job Number:	
Customer:	Oxy
Well Name:	North Bank 13 Fed 1H
API Number:	
Rig Name:	
Location:	Eddy Co., NM
Block:	
Engineer:	KRN

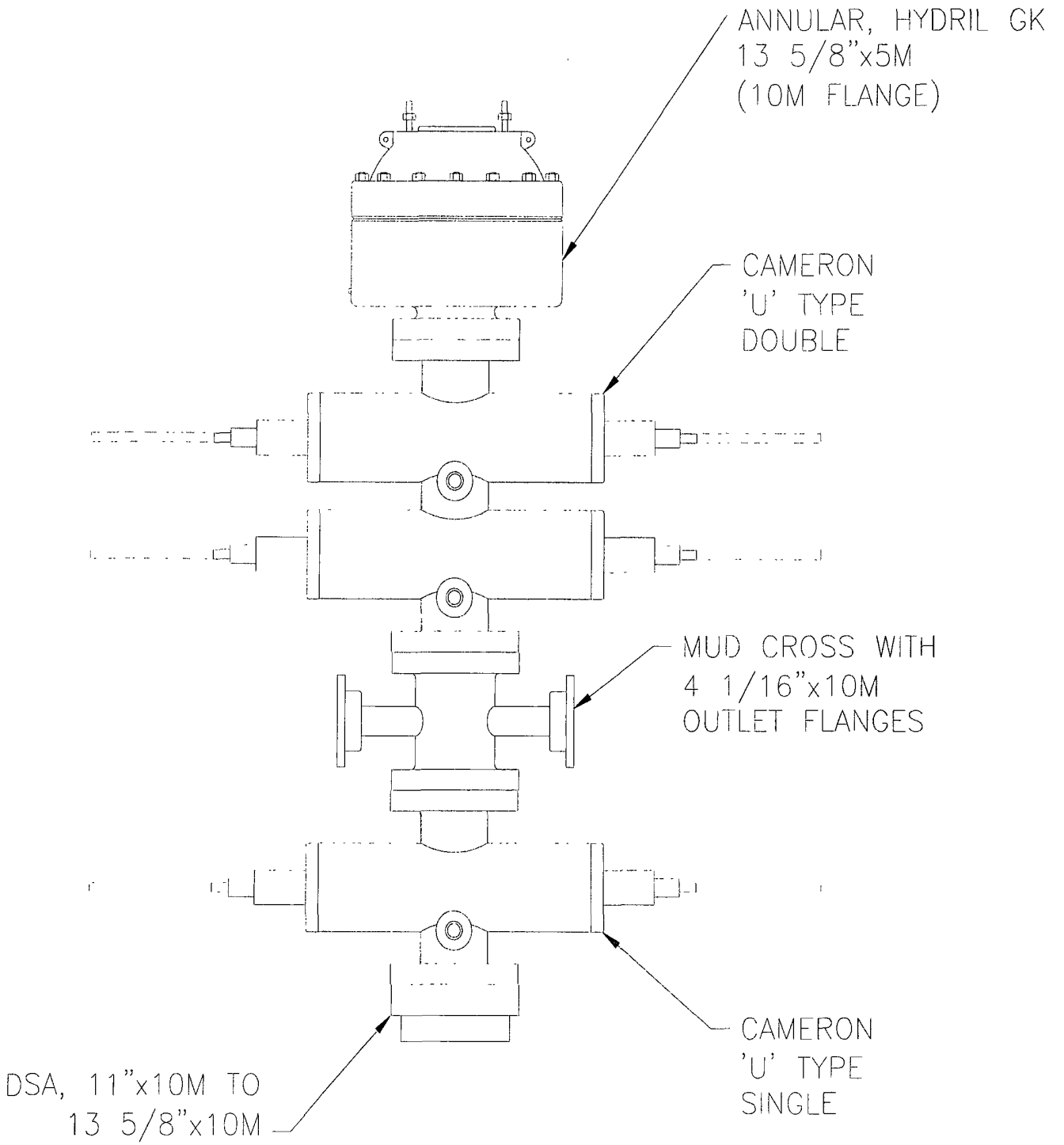
Geodetic Latitude / Longitude	US State Plane 1927
System: Latitude / Longitude	System: New Mexico East 3001 (NON-EXACT)
Projection: Geodetic Latitude and Longitude	Projection: SPC27 Transverse Mercator
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
Latitude 32.2999203 DEG	North/South 472953.500 USFT
Longitude -104.0380375 DEG	East/West 591241.100 USFT
	Grid Convergence: .16°
	Total Correction: +7.67°

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.29992° N	32° 17 min 59.713 sec
Longitude =	104.03804° W	104° 2 min 16.935 sec

Magnetic Declination =	7.83°	[True North Offset]	
Local Gravity =	.9988 g	CheckSum =	6694
Local Field Strength =	48648 nT	Magnetic Vector X =	23966 nT
Magnetic Dip =	60.18°	Magnetic Vector Y =	3294 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42207 nT
Spud Date =	Apr 15, 2011	Magnetic Vector H =	24191 nT

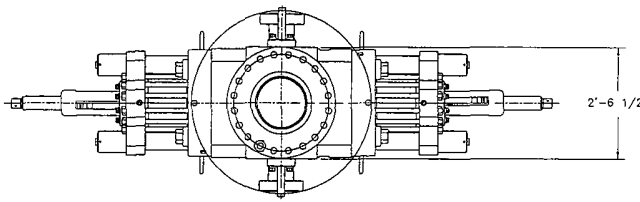
Signed:_____ Date:_____

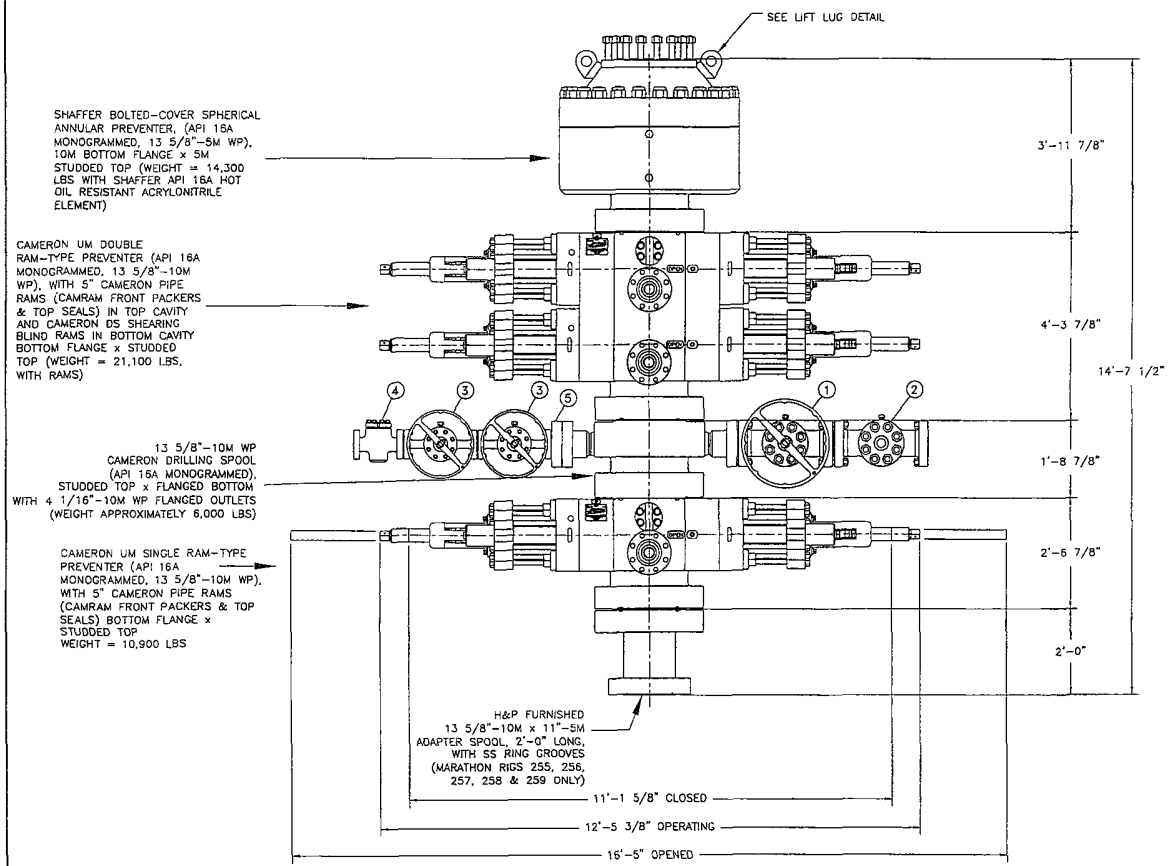
BOP Diagram



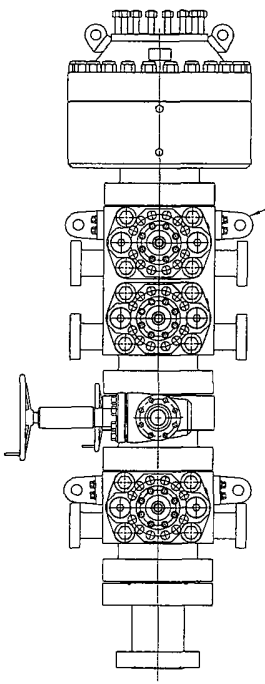
BOP STACK

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





13 5/8–10M STACK



ISSUED FOR FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

API 6A MONOGRAMMED CAMERON CHOKE AND KILL WING VALVE ASSEMBLIES ARE NOT SHOWN FOR CLARITY

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

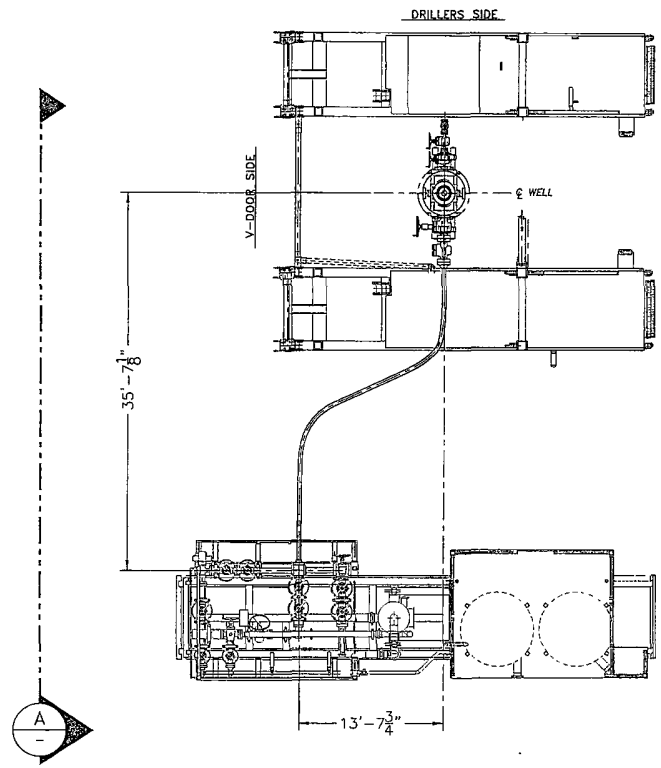
REV	DATE	DESCRIPTION	BY
E	12/18/07	ADDED SHEET 03	JAV
D	4-10-07	OPERATION REVISED DOUBLE STUDDED ADAPTER, VALVES 1, 2, & 3, AND HS CHECK VALVE ADDED	JBG
C	4-04-07	6" ADDED TO SPACER ADAPTER SPOOL	JBG
B	02-07-07	ADDED ADAPTER SPOOL	MWL
A	06-13-02	CORRECTED BOP STACK	MWL

ENGINEERING APPROVAL | DATE

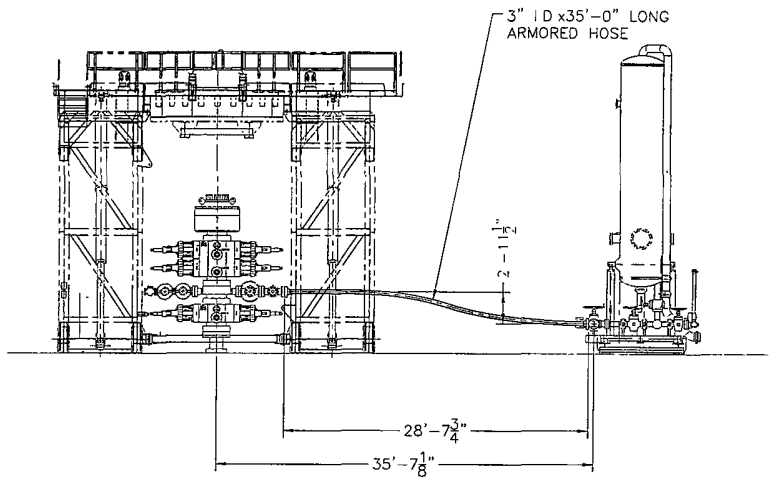
HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

TITLE: 13 5/8"–10M BOP 3 RAM STACK FLEXRIG3

CUSTOMER H&P
PROJECT FLEXRIG3
DRAWN MTS | DATE 6-5-02 | DWG NO 210–P1–07 | REV E
SCALE 3/4"=1' | SHEET 1 OF 1



PLAN VIEW



SECTION "A"

ISSUED FOR FABRICATION
December-19-2007
DRAFTSMAN
ENGINEER

REV	DATE	DESCRIPTION	BY
4	12/18/07	REMOVED SHEET TOTAL CALLOUT	JAV
3			
2			
1			
		ENGINEERING APPROVAL	DATE

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

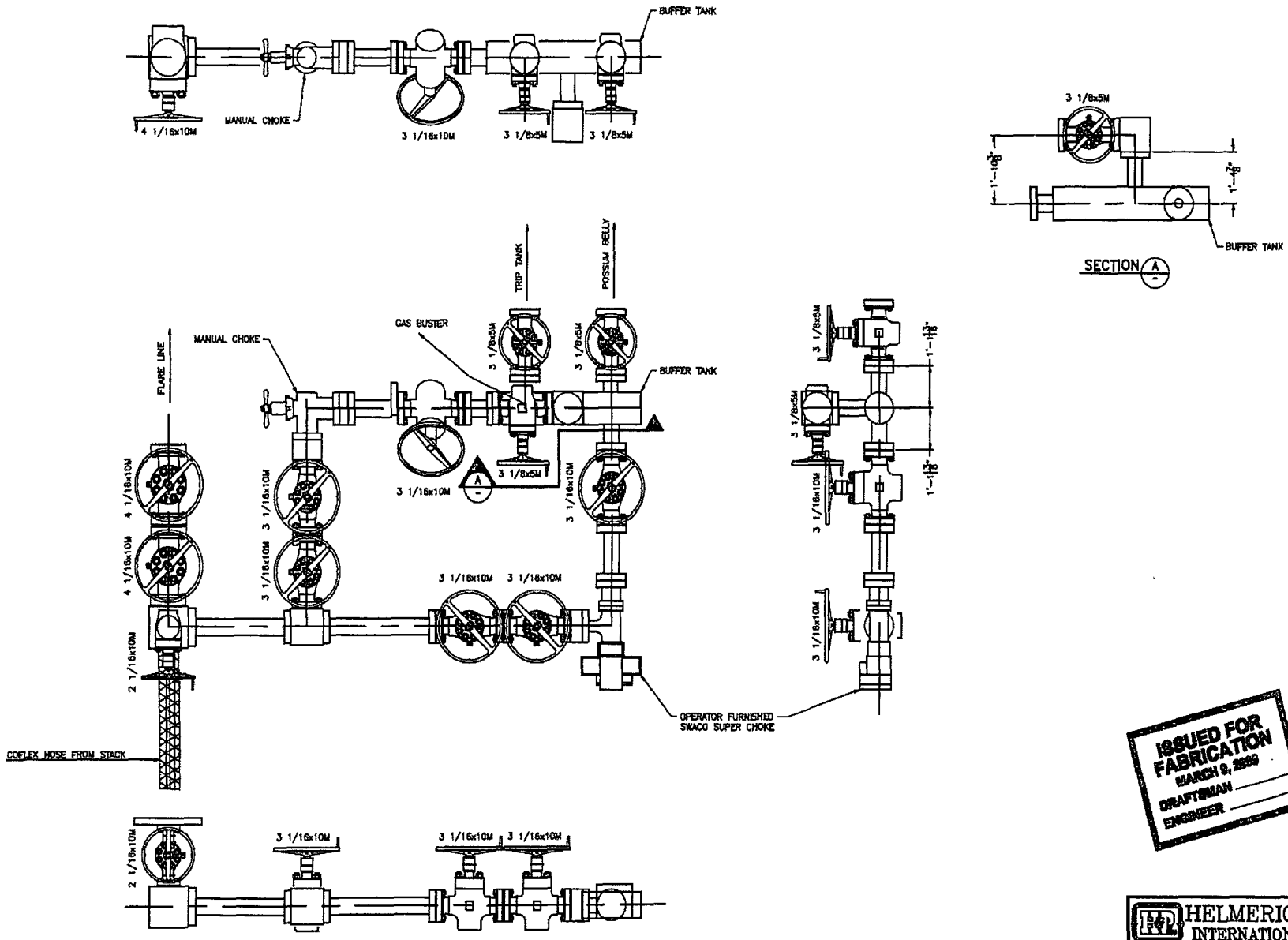
TITLE: CHOKE LINE SYSTEM
FLEXRIG3

CUSTOMER

PROJECT

DRAWN JBG | DATE 4-10-07 | DWG NO 210-P1-07 | REV A

SCALE 3/16"=1' | SHEET 2 OF 3



ISSUED FOR FABRICATION
MARCH 6, 2002
DRAFTSMAN
ENGINEER

REV	DATE	DESCRIPTION	BY
1	10/13/02	ADJUST DIM TO FIELD CONFIRMED DIM	RAY

ENGINEERING APPROVAL | DATE

HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

TITLE: CHOKE MANIFOLD

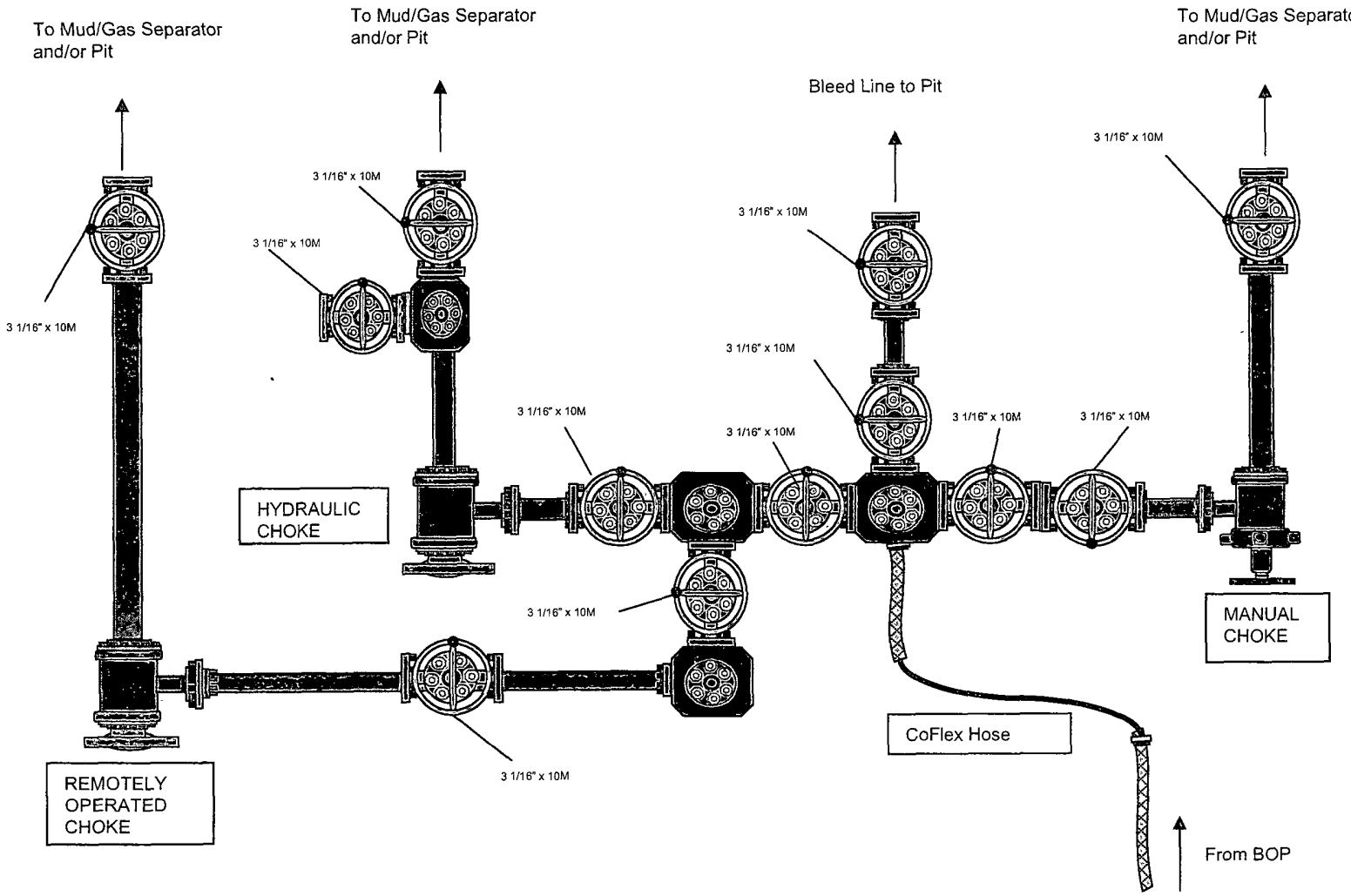
CUSTOMER: H&P

PROJECT: FLEXRIG3

DRAWN: MTS | DATE: 2-28-02 | DWG. NO.: 216-P1-05 | REV: A

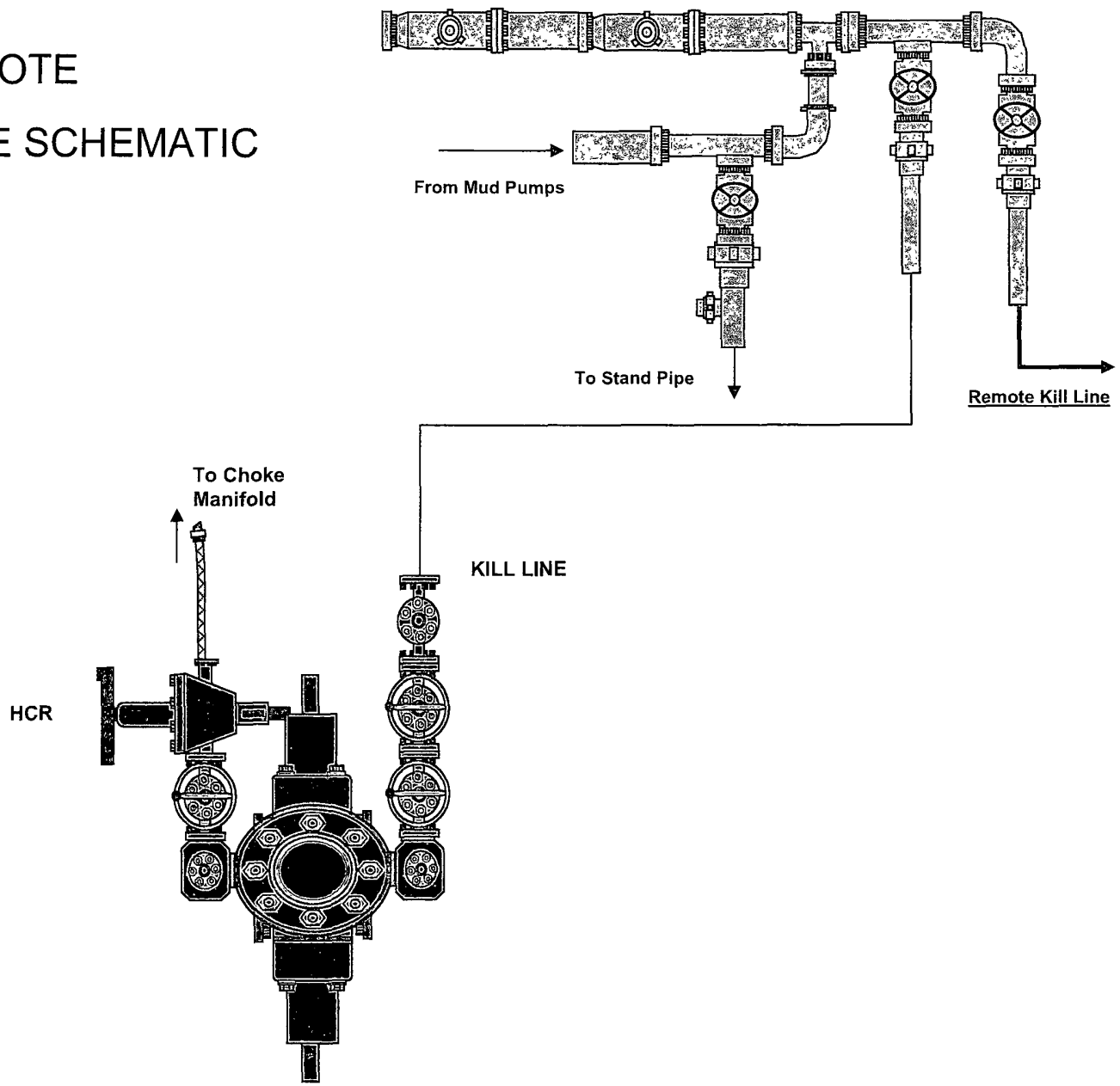
SCALE: 3/4"=1' | SHEET: 1 OF 1

10M CHOKE MANIFOLD CONFIGURATION

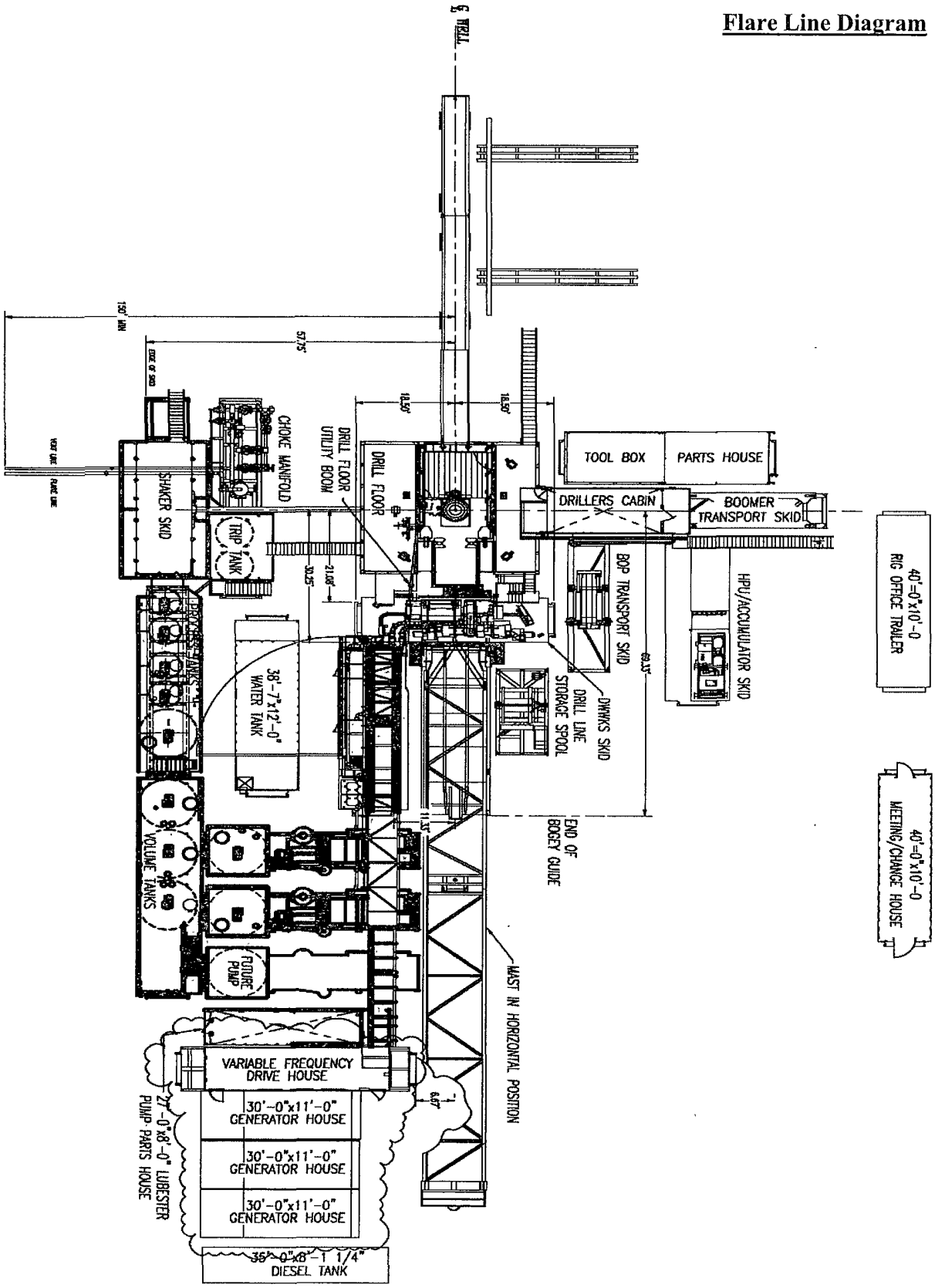


10M REMOTE

KILL LINE SCHEMATIC



Flare Line Diagram



Continental CONTITECH

Fluid Technology

Quality Document

CERTIFICATE OF CONFORMITY

Supplier : CONTITECH RUBBER INDUSTRIAL KFT.
Equipment : 6 pcs. Choke and Kill Hose with installed couplings
Type : **3" x 10,67 m WP: 10000 psi**
Supplier File Number : 412638
Date of Shipment : April. 2008
Customer : Phoenix Beattie Co.
Customer P.o. : 002491
Referenced Standards / Codes / Specifications : API Spec 16 C
Serial No.: 52754,52755,52776,52777,52778,52782

STATEMENT OF CONFORMITY

We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

COUNTRY OF ORIGIN HUNGARY/EU

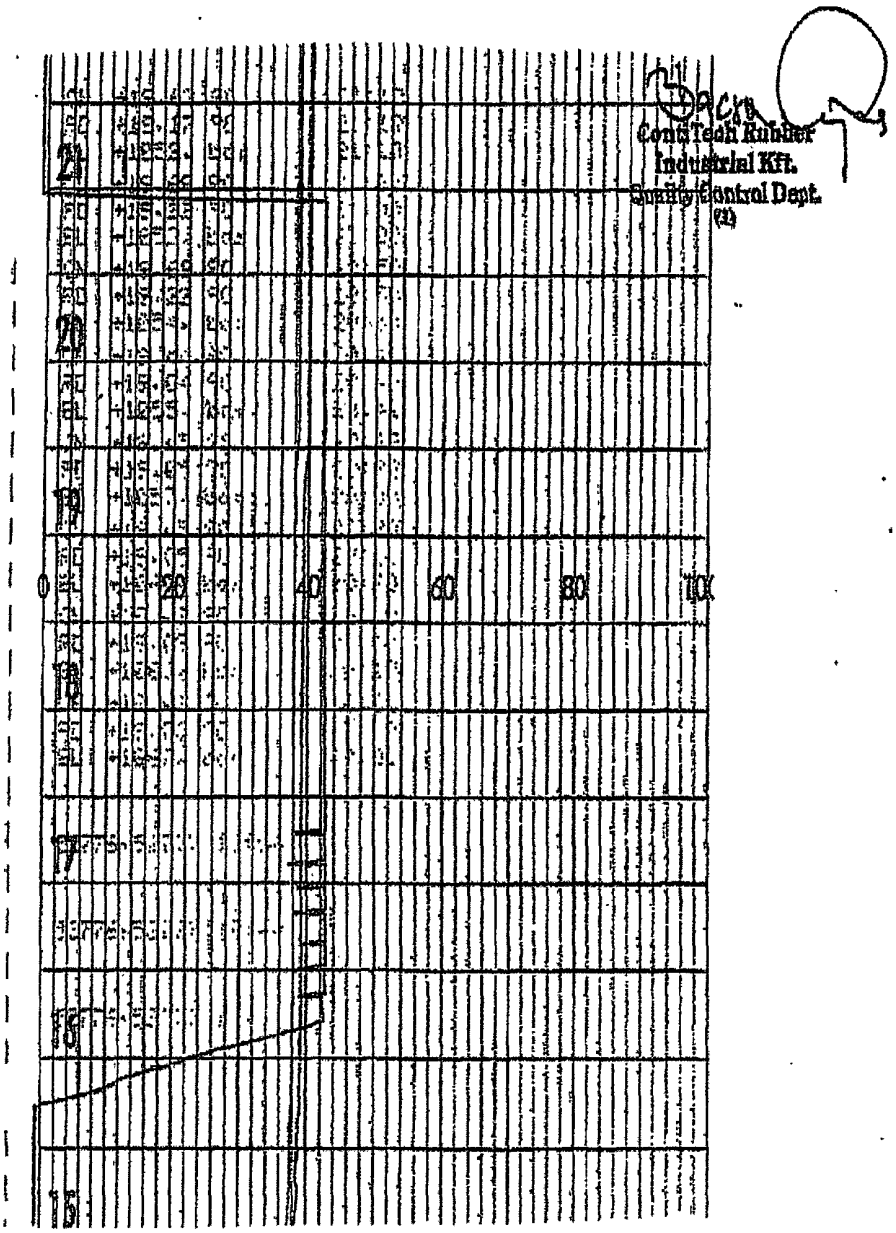
Signed : .....

ContiTech Rubber Industrial Kft. Quality Control Dept. (3)

Date: 04. April. 2008

Position: Q.C. Manager

Coflex Hose Certification



PHOENIX Beattie

Material Identification Certificate

PA No	006330	Client	HELMERICH & PAYNE INT'L DRILLING	Client Ref	370-369-001	Page	1

Part No	Description	Material Desc	Material Spec	Qty	WO No	Batch No	Test Cert No	Bin No	Drg No	Issue No
HPI0CK3A-35-4F1	3" 10K 16C C&K HOSE x 35ft OAL			1	2491	52777/H884		WATER		
SECK3-HPF3	LIFTING & SAFETY EQUIPMENT TO			1	2440	002440		N/STK		
SC725-200CS	SAFETY CLAMP 200MM 7.25T	CARBON STEEL		1	2519	H655		22C		
SC725-132CS	SAFETY CLAMP 132MM 7.25T	CARBON STEEL		1	2242	H139		22		

We hereby certify that these goods have been inspected by our Quality Management System, and to the best of our knowledge are found to conform to relevant industry standards within the requirements of the purchase order as issued to Phoenix Beattie Corporation.

05/13/09.

Coflex Hose Certification

Coflex Hose Certification

Form No 100/12

PHOENIX Beattie

Phoenix Beattie Corp
11535 Brittmoore Park Drive
Houston, TX 77041
Tel: (832) 327-0141
Fax: (832) 327-0148
E-mail mail@phoenixbeattie.com
www.phoenixbeattie.com

Delivery Note

Customer Order Number	370-369-001	Delivery Note Number	003078	Page	1
Customer / Invoice Address HELMERICH & PAYNE INT'L DRILLING CO 1437 SOUTH BOULDER TULSA, OK 74119		**Delivery / Address** HELMERICH & PAYNE IDC ATTN: JOE STEPHENSON - RIG 370 13609 INDUSTRIAL ROAD HOUSTON, TX 77015			

Customer Acc No	Phoenix Beattie Contract Manager	Phoenix Beattie Reference	Date
H01	JJL	006330	05/23/2008

Item No	Beattie Part Number / Description	Qty Ordered	Qty Sent	Qty To Follow
1	HP10CK3A-35-4F1 3" 10K 16C C&K HOSE x 35ft OAL CW 4.1/16" API SPEC FLANGE E/ End 1: 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange End 2: 4.1/16" 10Kpsi API Spec 6A Type 6BX Flange c/w BX155 Standard ring groove at each end Suitable for H2S Service Working pressure: 10,000psi Test pressure: 15,000psi Standard: API 16C Full specification Armor Guarding: Included Fire Rating: Not Included Temperature rating: -20 Deg C to +100 Deg C	1	1	0
2	SECK3-HPF3 LIFTING & SAFETY EQUIPMENT TO SUIT HP10CK3-35-F1 2 x 160mm ID Safety Clamps 2 x 244mm ID Lifting Collars & element C's 2 x 7ft Stainless Steel wire rope 3/4" OD 4 x 7.75t Shackles	1	1	0
3	SC725-200CS SAFETY CLAMP 200MM 7.25T C/S GALVANISED	1	1	0

Continued...

Coflex Hose Certification

Continental CONTITECH

Fluid Technology

Quality Document

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 746	
PURCHASER: Phoenix Beattie Co.				P.O. N°: 002491	
CONTITECH ORDER N°: 412638		HOSE TYPE: 3" ID		Choke and Kill Hose	
HOSE SERIAL N°: 52777		NOMINAL / ACTUAL LENGTH:		10,67 m	
W.P. 68,96 MPa	10000 psi	T.P. 103,4 MPa	15000 psi	Duration: 60 ~	min.

Pressure test with water at ambient temperature

See attachment. (1 page)

↑ 10 mm = 10 Min.

→ 10 mm = 25 MPa

COUPLINGS

Type	Serial N°	Quality	Heat N°
3" coupling with	917 913	AISI 4130	T7998A
4 1/16" Flange end		AISI 4130	26984

INFOCHIP INSTALLED

API Spec 16 C
Temperature rate:"B"

All metal parts are flawless

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

Date:	Inspector	Quality Control
04. April. 2008		ContiTech Rubber Industrial Kft. Quality Control Dept. (1)

Coflex Hose Certification

Form No 100/12

PHOENIX Beattie

Phoenix Beattie Corp
11535 Brittmoore Park Drive
Houston, TX 77041
Tel: (832) 327-0141
Fax: (832) 327-0148
E-mail mail@phoenixbeattie.com
www.phoenixbeattie.com

Delivery Note

Customer Order Number	370-369-001	Delivery Note Number	003078	Page	2

Customer / Invoice Address	Delivery / Address
HELMERICH & PAYNE INT'L DRILLING CO 1437 SOUTH BOULDER TULSA, OK 74119	HELMERICH & PAYNE IDC ATTN: JOE STEPHENSON - RIG 370 13609 INDUSTRIAL ROAD HOUSTON, TX 77015

Customer Acc No	Phoenix Beattie Contract Manager	Phoenix Beattie Reference	Date
H01	JJL	006330	05/23/2008

Item No	Beattie Part Number / Description	Qty Ordered	Qty Sent	Qty To Follow
4	SC725-132CS SAFETY CLAMP 132MM 7.25T C/S GALVANIZED C/W BOLTS	1	1	0
5	00CERT-HYDRO HYDROSTATIC PRESSURE TEST CERTIFICATE	1	1	0
6	00CERT-LOAD LOAD TEST CERTIFICATES	1	1	0
7	00FREIGHT INBOUND / OUTBOUND FREIGHT PRE-PAY & ADD TO FINAL INVOICE NOTE: MATERIAL MUST BE ACCOMPANIED BY PAPERWORK INCLUDING THE PURCHASE ORDER, RIG NUMBER TO ENSURE PROPER PAYMENT	1	1	0

Phoenix Beattie Inspection Signature : _____

Received In Good Condition : Signature _____

Print Name _____

Date _____

All goods remain the property of Phoenix Beattie until paid for in full. Any damage or shortage on this delivery must be advised within 5 days. Returns may be subject to a handling charge.