

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

R-111-POTASH

ATS-11-671
FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

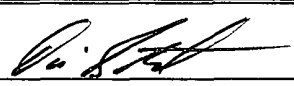
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM86024
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator OXY USA Inc.		7. Unit or CA Agreement Name and No.
3a. Address P.O. Box 50250 Midland, TX 79710-0250	3b. Phone No (include area code) 16696 432-685-5717	8. Lease Name and Well No. Cypress 28 Federal #4H ✓
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 1730 FNL 330 FWL SWNW(E) ✓ At proposed prod. zone 1980 FNL 1700 FEL SWNE(G)		9. API Well No. 30-015-39330 ✓
14. Distance in miles and direction from nearest town or post office* 6 miles northeast from Loving, NM		10. Field and Pool, or Exploratory Laguna Salado Bone Spring, S.
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg unit line, if any) 330'		11. Sec., T., R., M., or Blk and Survey or Area Sec 28 T23S R29E
16. No. of Acres in lease 480		12. County or Parish Eddy
17. Spacing Unit dedicated to this well 120		13. State NM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1323'		20. BLM/BIA Bond No on file ES0136
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3005.8' GL ✓		22. Approximate date work will start* 9/1/11
23. Estimated duration 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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) David Stewart	Date 5/6/11
Title Regulatory Advisor		
Approved by (Signature) 	Name (Printed/Typed) Jesse J. Inen	Date AUG - 3 2011
Title STATE DIRECTOR	Office NM STATE OFFICE	

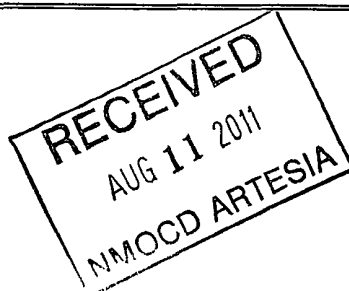
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon
Conditions of approval, if any, are attached

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 knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on Reverse)

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVALApproval Subject to General Requirements
& Special Stipulations Attached

DRILLING PROGRAM

Operator Name/Number: **OXY USA Inc.** 16696

Lease Name/Number: **Cypress 28 Federal #4H** **37803** **Federal Lease No. NMNM86024**

Pool Name/Number: **South Laguna Salado Bone Spring** **96857**

Surface Location: **1730 FNL 330 FWL SWNW(E) Sec 28 T23S R29E**

Bottom Hole Location: **1980 FNL 1700 FEL SWNE(G) Sec 28 T23S R29E**

Proposed TD: 7700' TVD 10710' TMD Elevation: 3005.8' GL

SL - Lat: 32.2783492 Long: 103.9969038 X= 603975.3 Y= 465143.9 NAD - 1927

BH - Lat: 32.2776536 Long: 103.9862154 X= 607279.5 Y= 464901.4 NAD - 1927

1. Geologic Name of Surface Formation:

a. Permian

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

<u>Geological Marker</u>	<u>Depth</u>	<u>Type</u>
a. Upper Permian Sand	170'	Water
b. Top Salt	550'	---
c. Bottom Salt	2740'	---
d. Delaware	2970'	Oil
e. Bell Canyon	3010'	Oil
f. Brushy Canyon	6370'	Oil
g. Bone Springs	6670'	Oil
h. 1st Bone Springs	7730'	Oil

3. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Condition</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
20"	550' ²⁷⁵	16"	65	ST&C	H-40	New	2.41	4.39	2.47
				Hole filled with 8.4# Mud			670#	1640#	
14-3/4"	3000' ²⁹⁰⁰	11-3/4"	47	STC LT&C	J-55	New	1.16	1.26	2.76
				Hole filled with 10# Mud			1510#	3070#	
8-3/4"	10710'	5-1/2"	17	LT&C	N-80	New	1.87	1.53	1.87
DVT @ 5800' - POST @ 3050'				Hole filled with 9.2# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

4. Cement Program

- a. 16" Surface Circulate cement to surface w/ 530sx 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. 11-3/4" Intermediate Circulate cement to surface w/ 1060sx 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/ 1450sx 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-5795'
 Cement 2nd stage w/ 685sx 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-3045'
 Cement 3rd stage w/ 480sx 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

See
CoA

CONTINGENCY Casing/Cementing Program

In the event of finding a salt water flow from the well Cochiti 28 Federal #1 between 3500' to 3700' that requires to set an additional protective casing string to isolate such flow, the following contingency has been planned:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
10-3/8"	4000'	9-5/8"	40	Wedge 5-11	J-55	New	2.58	1.26	1.65
				Hole filled with 12# Mud			2570#	3950#	
8-3/4"	10710'	5-1/2"	17	LT&C	N-80	New	1.87	1.53	1.87
DVT @ 5800'				Hole filled with 9.2# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

- c. 9-5/8" Intermediate Circulate cement to surface w/ 1060sx 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
- d. 5-1/2" Production Cement 1st stage w/ 1450sx 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-5795'
 Cement 2nd stage w/ 1195sx 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, Circ Surface

5. Pressure Control Equipment:

Surface None

Intermediate 16-3/4" 2M two ram stack w/ rotating head, 10M Choke Manifold

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

All BOP's and associated equipment will be tested to 1200psi with a third party BOP testing service before drilling out the 16" casing shoe. Prior to drilling out the 11-3/4" casing shoe, the BOP's and Annular preventer will be tested in accordance with On-shore Order #2.

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 to 15000psi 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

<u>Depth</u>	<u>Mud Wt.</u> <u>ppg</u>	<u>Visc</u> <u>sec</u>	<u>Fluid</u> <u>Loss</u>	<u>Type System</u>
0 - 550'	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
550 - 3000'	9.8-10.0	28-29	NC	Brine Water
3000 - 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 Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- 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. If Hydrogen Sulfide is encountered, measured amounts and formations will be reported to the BLM.

8. Logging, Coring and Testing Program: *See COA*

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

9. Potential Hazards:

No abnormal pressures, temperatures or H₂S gas are expected. The highest anticipated pressure gradient would be 0.54psi/ft or 3700psi. If H₂S 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.



Occidental Permian Ltd.
Cypress 28 Fed 4H
Eddy Co, NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	6619.13	0.00	60.00	6619.13	0.00	0.00	0.00	60.00	0.00	
3	7119.13	10.00	60.00	7116.60	21.76	37.69	2.00	60.00	37.69	
4	7177.31	10.00	90.50	7173.93	24.24	47.12	9.00	105.03	47.12	
5	8066.19	90.00	90.50	7700.00	18.77	674.05	9.00	0.00	674.05	
6	8244.65	90.00	95.85	7700.00	8.89	852.16	3.00	90.00	852.16	
7	10709.54	90.00	95.85	7700.00	-242.50	3304.20	0.00	0.00	3304.20	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cypress 28 Fed 4H	0.00	0.00	465143.90	603975.30	32°16'42.057N	103°59'48.854W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	7700.00	-242.50	3304.20	464901.40	607279.50	Point

SITE DETAILS

Cypress 28 Fed 4H

Site Centre Northing: 465143.90
Easting: 603975.30

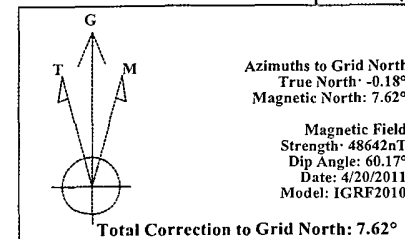
Ground Level: 3005.80
Positional Uncertainty: 0.00
Convergence: 0.18

FIELD DETAILS

Eddy Co, NM (Nad 27)

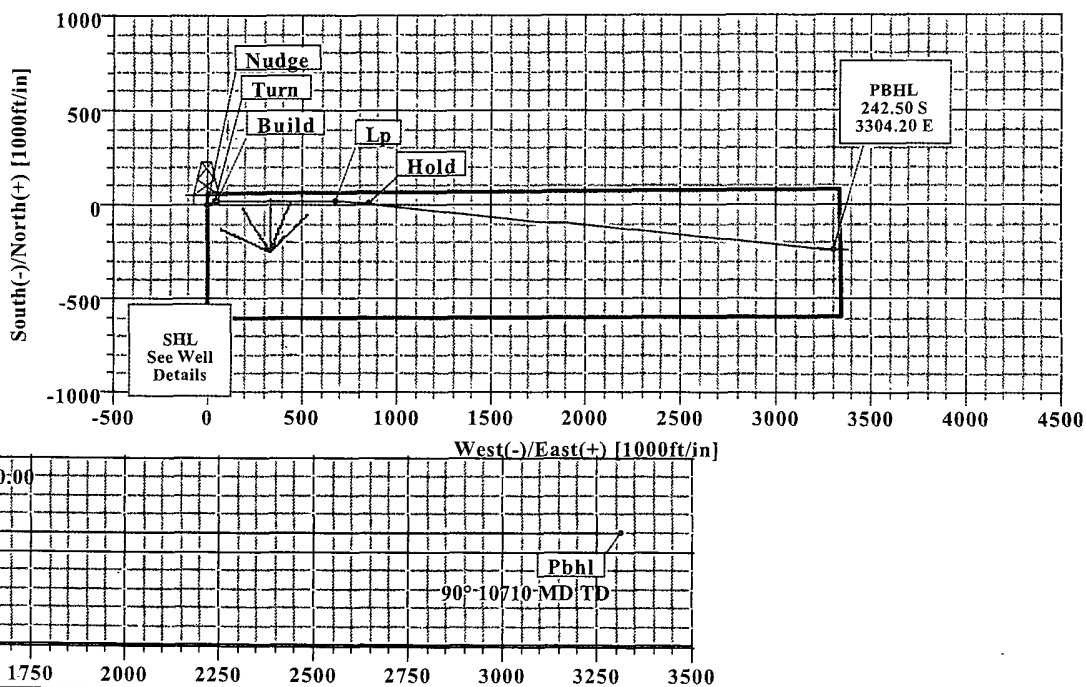
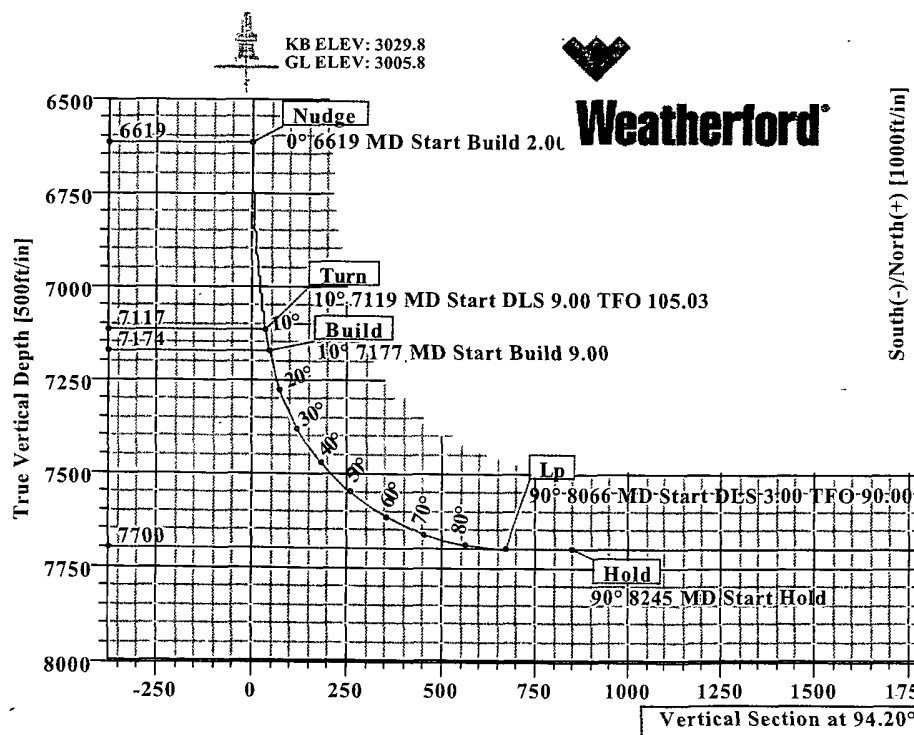
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North



LEGEND

- Cochiti 28 Fed 1 (0 azi)
- Cochiti 28 Fed 1 (22 Azi)
- Cochiti 28 Fed 1 (295 azi)
- Cochiti 28 Fed 1 (328 Azi)
- Cochiti 28 Fed 1 (45 azi)
- Plan #2



Plan: Plan #2 (Cypress 28 Fed 4H/1)

Created By: Russell W. Joyner

Date: 3/29/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 3/29/2011	Time: 09:23:52	Page: 1
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference: Well: Cypress 28 Fed 4H Grid North		
Site: Cypress 28 Fed 4H	Vertical (TVD) Reference: SITE 3029.8		
Well: Cypress 28 Fed 4H	Section (VS) Reference: Well: (0.00N:0.00E:94.20Az)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2	Date Composed: 2/2/2011
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:		Cypress 28 Fed 4H			
Site Position:		Northing:	465143.90 ft	Latitude:	32 16 42.057 N
From:	Map	Easting:	603975.30 ft	Longitude:	103 59 48.854 W
Position Uncertainty:		0.00 ft		North Reference:	Grid
Ground Level:		3005.80 ft		Grid Convergence:	0.18 deg

Well: Cypress 28 Fed 4H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	465143.90 ft	Latitude:	32 16	42.057 N
	+E/-W	0.00 ft	Easting :	603975.30 ft	Longitude:	103 59	48.854 W
Position Uncertainty:		0.00 ft					

Wellpath: 1		Drilled From: Surface	
Current Datum:	SITE	Height	3029.80 ft
Magnetic Data:	4/20/2011	Above System Datum:	Mean Sea Level
Field Strength:	48642 nT	Declination:	7.80 deg
Vertical Section:	Depth From (TVD)	Mag Dip Angle:	60.17 deg
	ft	+N/-S	ft
		+E/-W	ft
			Direction deg
	7700.00	0.00	0.00
			94.20

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	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6619.13	0.00	60.00	6619.13	0.00	0.00	0.00	0.00	0.00	60.00	
7119.13	10.00	60.00	7116.60	21.76	37.69	2.00	2.00	0.00	60.00	
7177.31	10.00	90.50	7173.93	24.24	47.12	9.00	0.00	52.43	105.03	
8066.19	90.00	90.50	7700.00	18.77	674.05	9.00	9.00	0.00	0.00	
8244.65	90.00	95.85	7700.00	8.89	852.16	3.00	0.00	3.00	90.00	
10709.54	90.00	95.85	7700.00	-242.50	3304.20	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	
6600.00	0.00	60.00	6600.00	0.00	0.00	0.00	0.00	465143.90	603975.30	
6619.13	0.00	60.00	6619.13	0.00	0.00	0.00	0.00	465143.90	603975.30	Nudge
6700.00	1.62	60.00	6699.99	0.57	0.99	0.94	2.00	465144.47	603976.29	
6800.00	3.62	60.00	6799.88	2.85	4.94	4.72	2.00	465146.75	603980.24	
6900.00	5.62	60.00	6899.55	6.88	11.91	11.38	2.00	465150.78	603987.21	
7000.00	7.62	60.00	6998.88	12.64	21.89	20.91	2.00	465156.54	603997.19	
7100.00	9.62	60.00	7097.75	20.13	34.87	33.30	2.00	465164.03	604010.17	
7119.13	10.00	60.00	7116.60	21.76	37.69	36.00	2.00	465165.66	604012.99	Turn
7177.31	10.00	90.50	7173.93	24.24	47.12	45.22	9.00	465168.14	604022.42	Build
7200.00	12.04	90.50	7196.20	24.21	51.46	49.55	9.00	465168.11	604026.76	
7300.00	21.04	90.50	7291.96	23.96	79.90	77.94	9.00	465167.86	604055.20	
7400.00	30.04	90.50	7382.10	23.58	122.98	120.92	9.00	465167.48	604098.28	
7500.00	39.04	90.50	7464.38	23.09	179.62	177.45	9.00	465166.99	604154.92	
7600.00	48.04	90.50	7536.80	22.49	248.43	246.12	9.00	465166.39	604223.73	
7700.00	57.04	90.50	7597.55	21.80	327.73	325.25	9.00	465165.70	604303.03	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	3/29/2011	Time:	09:23:52	Page:	2
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cypress 28 Fed 4H	Grid:	North		
Site:	Cypress 28 Fed 4H	Vertical (FVD) Reference:	SITE 3029.8				
Well:	Cypress 28 Fed 4H	Section (VS) Reference:	Well (0:00N:0:00E:94.20Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Survey

MD ft	Incl deg	Azim deg	FVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
7800.00	66.04	90.50	7645.15	21.03	415.55	412.90	9.00	465164.93	604390.85	
7900.00	75.04	90.50	7678.43	20.21	509.74	506.89	9.00	465164.11	604485.04	
8000.00	84.04	90.50	7696.56	19.35	607.98	604.93	9.00	465163.25	604583.28	
8066.19	90.00	90.50	7700.00	18.77	674.05	670.87	9.00	465162.67	604649.35	Lp
8100.00	90.00	91.51	7700.00	18.18	707.85	704.62	3.00	465162.08	604683.15	
8200.00	90.00	94.51	7700.00	12.92	807.70	804.59	3.00	465156.82	604783.00	
8244.65	90.00	95.85	7700.00	8.89	852.16	849.23	3.00	465152.79	604827.46	Hold
8300.00	90.00	95.85	7700.00	3.24	907.23	904.55	0.00	465147.14	604882.53	
8400.00	90.00	95.85	7700.00	-6.96	1006.70	1004.51	0.00	465136.94	604982.00	
8500.00	90.00	95.85	7700.00	-17.16	1106.18	1104.47	0.00	465126.74	605081.48	
8600.00	90.00	95.85	7700.00	-27.35	1205.66	1204.43	0.00	465116.55	605180.96	
8700.00	90.00	95.85	7700.00	-37.55	1305.14	1304.39	0.00	465106.35	605280.44	
8800.00	90.00	95.85	7700.00	-47.75	1404.62	1404.35	0.00	465096.15	605379.92	
8900.00	90.00	95.85	7700.00	-57.95	1504.10	1504.30	0.00	465085.95	605479.40	
9000.00	90.00	95.85	7700.00	-68.15	1603.58	1604.26	0.00	465075.75	605578.88	
9100.00	90.00	95.85	7700.00	-78.35	1703.05	1704.22	0.00	465065.55	605678.35	
9200.00	90.00	95.85	7700.00	-88.55	1802.53	1804.18	0.00	465055.35	605777.83	
9300.00	90.00	95.85	7700.00	-98.74	1902.01	1904.14	0.00	465045.16	605877.31	
9400.00	90.00	95.85	7700.00	-108.94	2001.49	2004.10	0.00	465034.96	605976.79	
9500.00	90.00	95.85	7700.00	-119.14	2100.97	2104.05	0.00	465024.76	606076.27	
9600.00	90.00	95.85	7700.00	-129.34	2200.45	2204.01	0.00	465014.56	606175.75	
9700.00	90.00	95.85	7700.00	-139.54	2299.93	2303.97	0.00	465004.36	606275.23	
9800.00	90.00	95.85	7700.00	-149.74	2399.40	2403.93	0.00	464994.16	606374.70	
9900.00	90.00	95.85	7700.00	-159.94	2498.88	2503.89	0.00	464983.96	606474.18	
10000.00	90.00	95.85	7700.00	-170.14	2598.36	2603.84	0.00	464973.76	606573.66	
10100.00	90.00	95.85	7700.00	-180.33	2697.84	2703.80	0.00	464963.57	606673.14	
10200.00	90.00	95.85	7700.00	-190.53	2797.32	2803.76	0.00	464953.37	606772.62	
10300.00	90.00	95.85	7700.00	-200.73	2896.80	2903.72	0.00	464943.17	606872.10	
10400.00	90.00	95.85	7700.00	-210.93	2996.28	3003.68	0.00	464932.97	606971.58	
10500.00	90.00	95.85	7700.00	-221.13	3095.75	3103.64	0.00	464922.77	607071.05	
10600.00	90.00	95.85	7700.00	-231.33	3195.23	3203.59	0.00	464912.57	607170.53	
10700.00	90.00	95.85	7700.00	-241.53	3294.71	3303.55	0.00	464902.37	607270.01	
10709.54	90.00	95.85	7700.00	-242.50	3304.20	3313.09	0.00	464901.40	607279.50	Pbhl

Targets

Name	Description Dip Dir	FVD ft	N/S ft	E/W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Pbhl		7700.00	-242.50	3304.20	464901.40	607279.50	32 16 39.553 N	103 59 10.375 W

Casing Points

MD	FVD	Diameter	Hole Size	Name

Annotation

MD ft	FVD ft	
6619.13	6619.13	Nudge
7119.13	7116.60	Turn
7177.31	7173.93	Build



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 3/29/2011	Time: 09:23:52	Page: 3
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cypress 28 Fed 4H	Grid: North
Site: Cypress 28 Fed 4H	Vertical (TVD) Reference:	SITE 3029.8	
Well: Cypress 28 Fed 4H	Section (VS) Reference:	Well (0.00N 0.00E 94.20Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

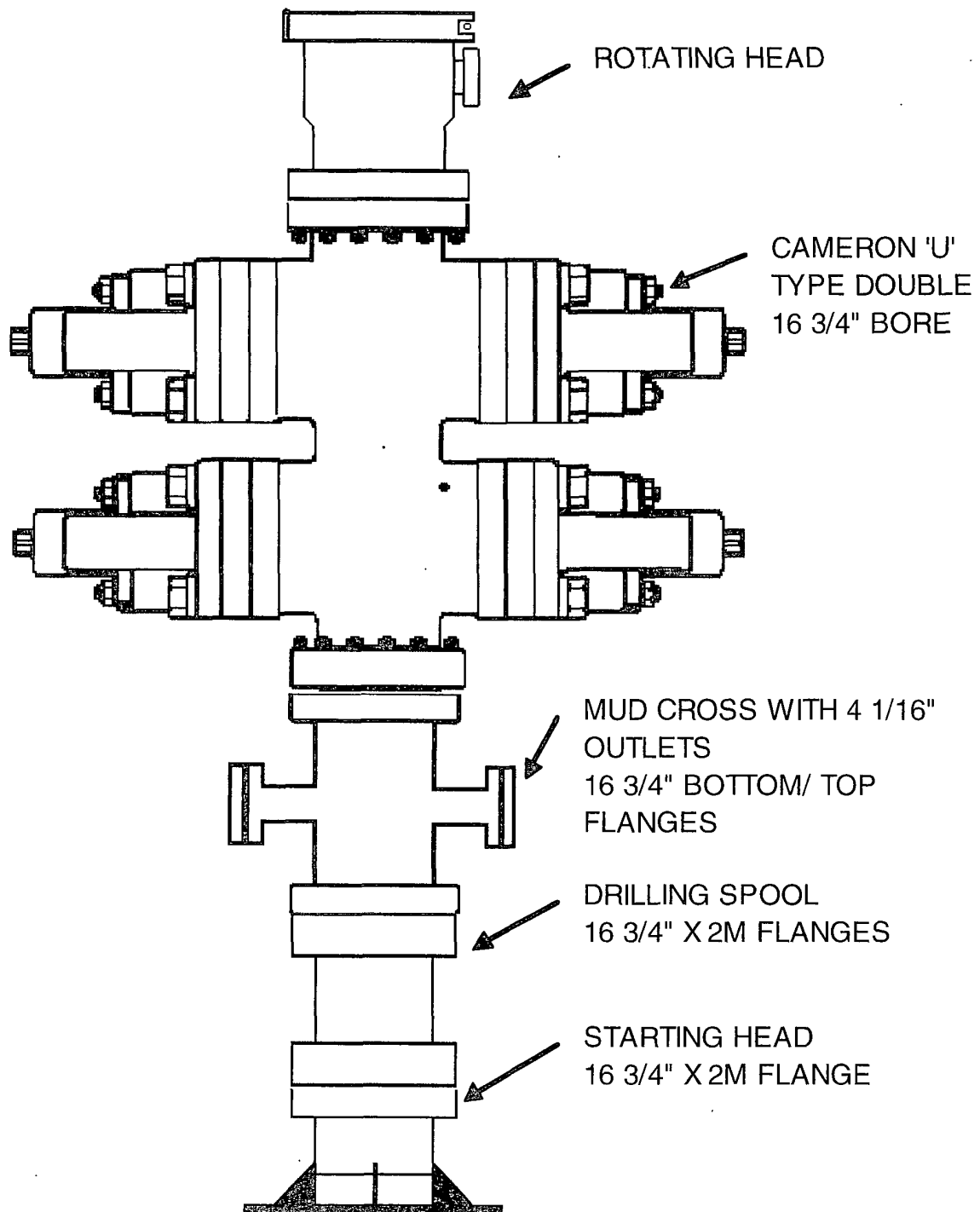
Annotation

MD ft.	TVD ft.	
8066.19	7700.00	Lp
8244.65	7700.00	Hold
10709.53	7700.00	Pbhl

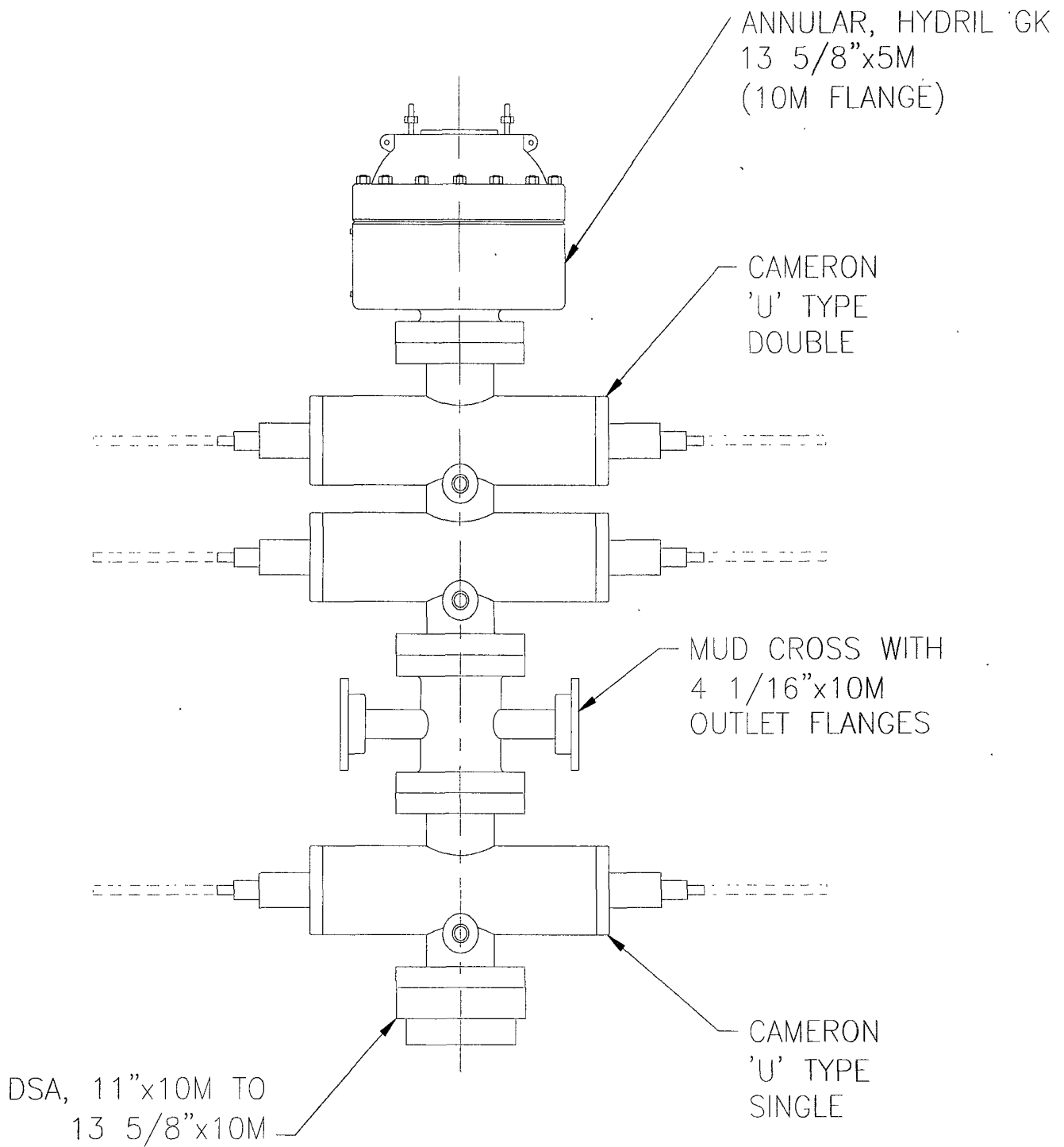
Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

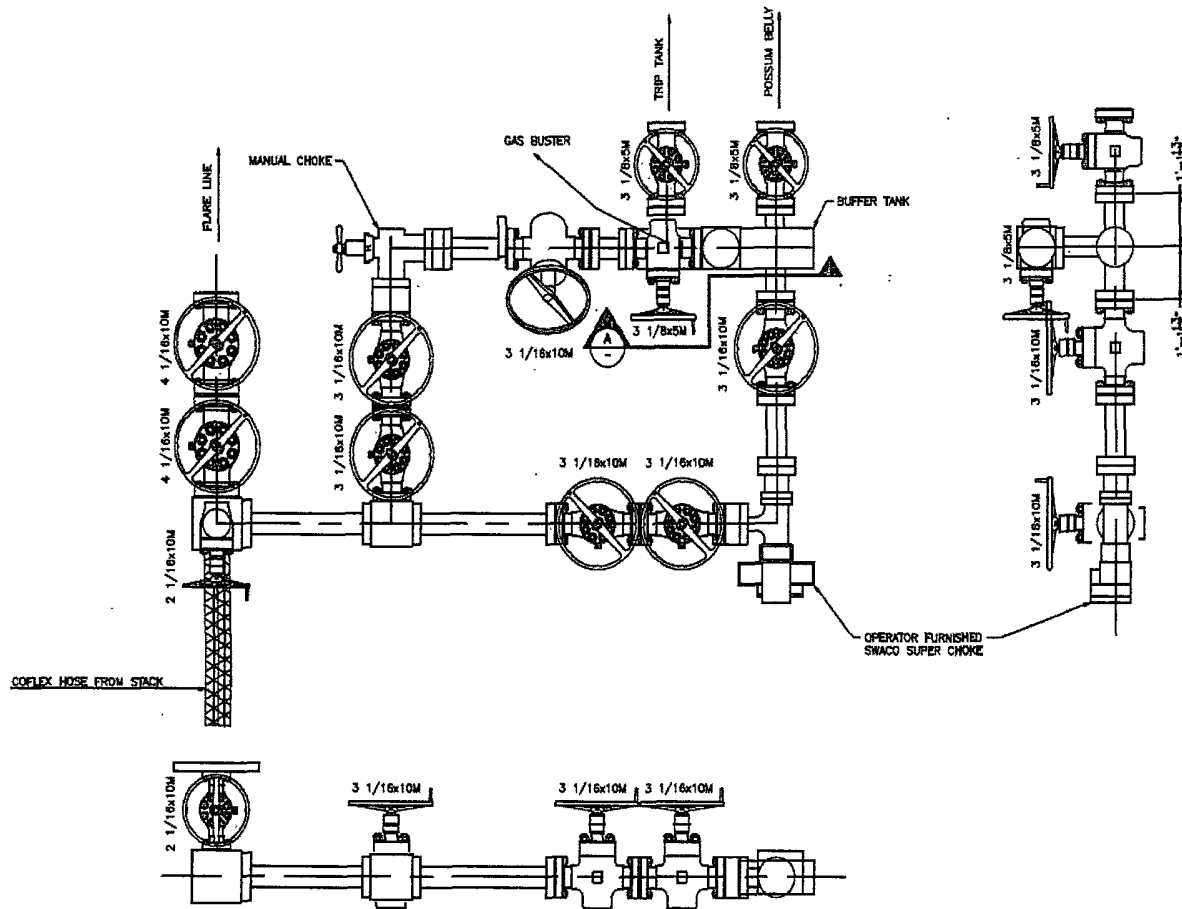
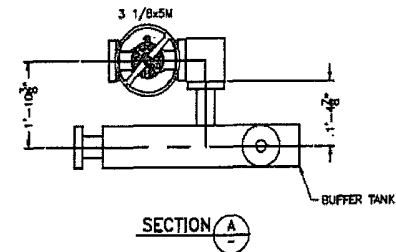
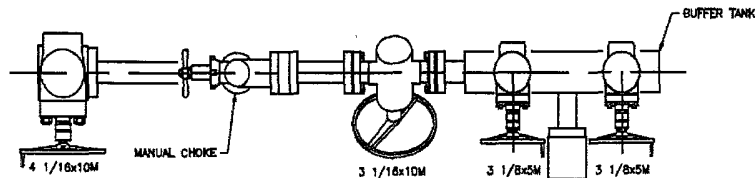
16 3/4" X 2M BOP Diagram



13 5/8" X 5M BOP Diagram



BOP STACK



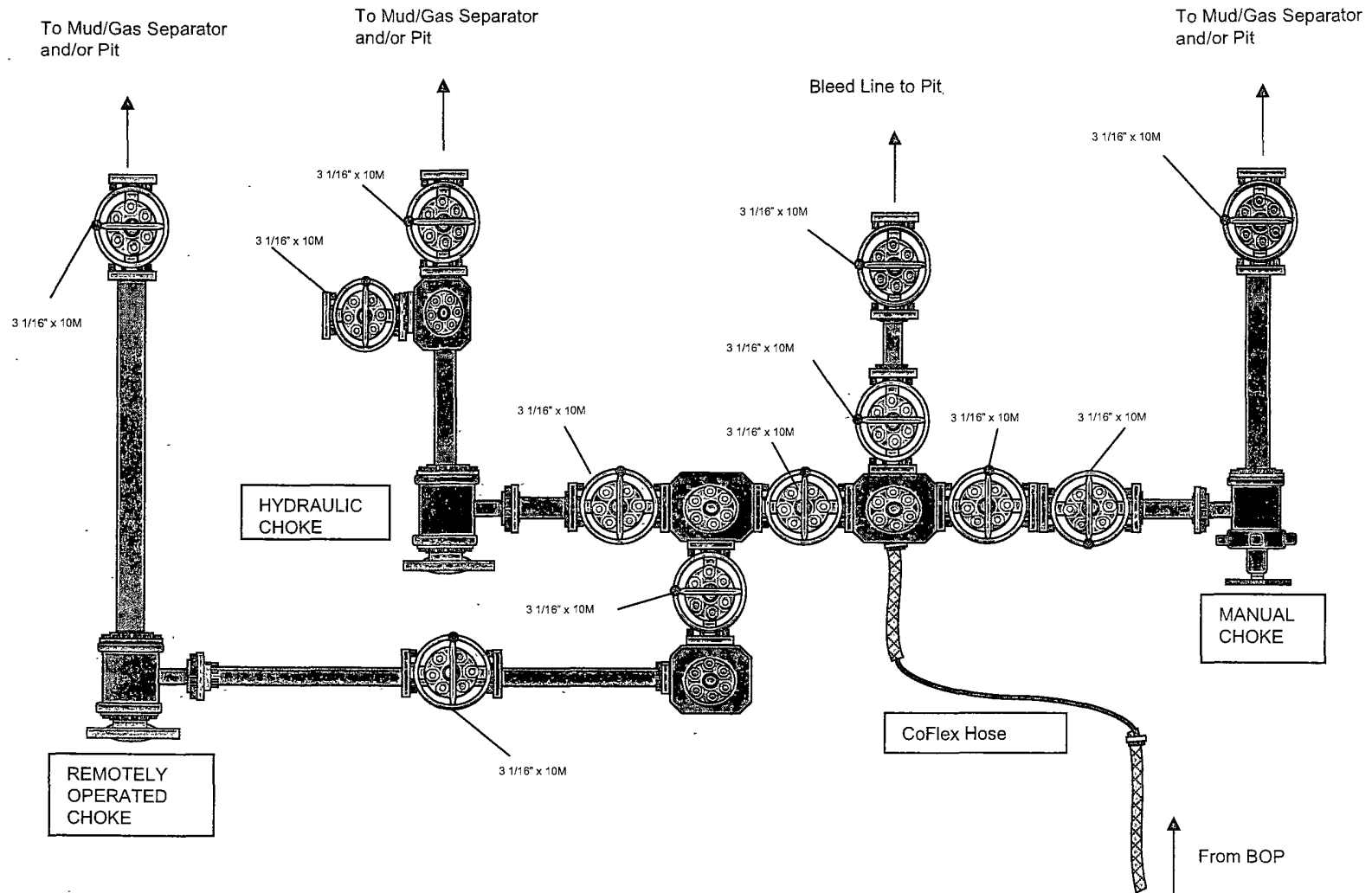
ISSUED FOR FABRICATION
 MARCH 8, 2003
 DRAFTERMAN
 ENGINEER

PROPRIETARY
 THIS DRAWING AND THE IDEAS 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 AUTHO-
 RIZED OFFICER OF HELMERICH & PAYNE INTL. DRILLING CO.

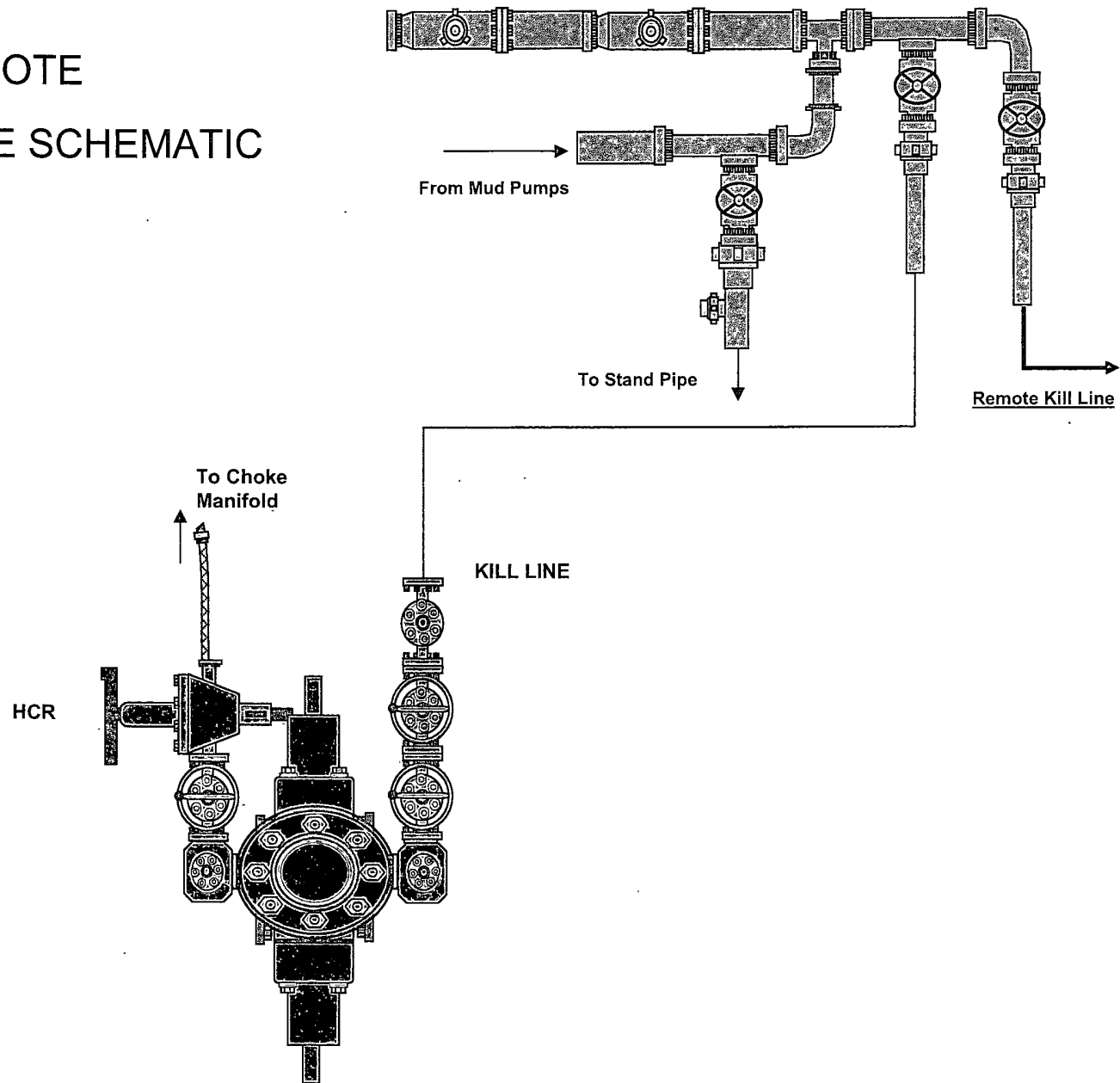
ENGINEERING APPROVAL		DATE	TITLE	
			CHOKE MANIFOLD	
CUSTOMER		H&P		
PROJECT		FLEXRIGS		
DATE	BY	DESCRIPTION	SCALE	REVISION
10/15/02	RAY	ADJUST DIM TO FIELD CONFIRMED DIM	3/4"=1'	216-P1-05 A

HELMERICH & PAYNE
 INTERNATIONAL DRILLING CO.

10M CHOKE MANIFOLD CONFIGURATION



10M REMOTE KILL LINE SCHEMATIC



40=0x10-0
MEETING/CHANGE HOUSE

40=0x10-0
MEETING/CHANGE HOUSE

CERTIFICATE OF CONFORMITY

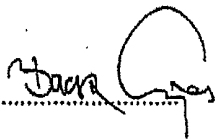
Supplier : CONTITECH RUBBER INDUSTRIAL KFT.
Equipment : 6 pcs. Choke and Kill Hose with installed couplings
Type : 3" x 10,67 m WP: 10000 psi
Supplier File Number : 412638
Date of Shipment : April. 2008
Customer : Phoenix Beattie Co.
Customer P.o. : 002491
Referenced Standards
/ Codes / Specifications : 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 :



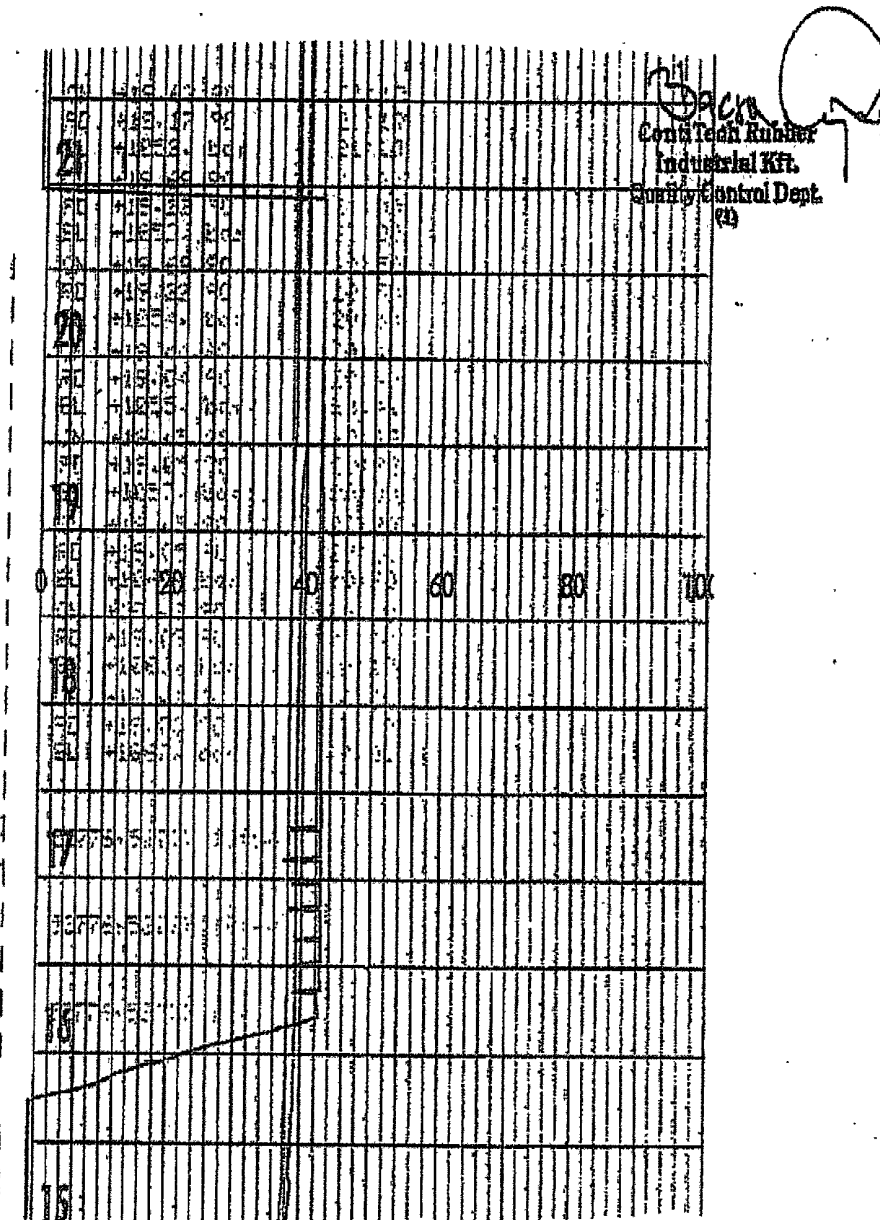
ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(1)

Date: 04. April. 2008

Position: Q.C. Manager

Coflex Hose Certification

Page: 1/1





Material Identification Certificate

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

[illegible]

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.

05/23/08

Coffex Hose Certification

Coflex Hose Certification

Form No 100/12

**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...

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.



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 4 1/16" Flange end	917	913	AISI 4130	T7998A	
			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: 04. April. 2008	Inspector		Quality Control ContiTech Rubber Industrial Kft. Quality Control Dept. (1)		

Coflex Hose Certification

Form No 100/12



Phoenix Beattie Corp

11535 Brittmoore Park Drive
Houston, TX 77041
Tel: (832) 327-0141
Fax: (832) 327-0148
E-mail: aa1@phoenixbeattie.com
www.phoenixbeattie.com

Delivery Note

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