

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

R-111-POTASH

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL ✓ <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM086024
1b. Type of Well <input checked="" type="checkbox"/> Oil Well ✓ <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone ✓ <input type="checkbox"/> 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		8. Lease Name and Well No. Cypress 34 Federal #8H
3b. Phone No (include area code) 16696 432-685-5717		9. API Well No 30-015- 39430
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 575 FSL 1980 FEL SWSE(O) At proposed prod. zone 400 FNL 1980 FEL NWNE(B)		10. Field and Pool, or Exploratory Undsg, Nash Draw Delaware, SW
14. Distance in miles and direction from nearest town or post office*. 6 miles northeast from Loving, NM		11. Sec., T., R., M., or Blk and Survey or Area Sec 34 T23S R29E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg unit line, if any) 400'	16. No. of Acres in lease 640	12. County or Parish Eddy
17. Spacing Unit dedicated to this well 160	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1312'	13. State NM
19. Proposed Depth 10851' M 6765' V	20. BLM/BIA Bond No. on file ES0136	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3041.3' GL ✓	22. Approximate date work will start* 9/11/11	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 5/10/11
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Title
Regulatory Advisor

Approved by (Signature) 	Name (Printed/Typed) William Merhege	Date 8/29/11
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Title
Acting 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)

RECEIVED
SEP 21 2011
NM OCD ARTESIA

Carlsbad Controlled Water Basin

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**Approval Subject to General Requirements
& Special Stipulations Attached**

DRILLING PROGRAM

Operator Name/Number:	OXY USA Inc.	16696
Lease Name/Number:	Cypress 34 Federal #8H - 304798	Federal Lease No. NMNM86024
Pool Name/Number:	Nash Draw Delaware, SE	97148
Surface Location:	575 FSL 1980 FEL SWSE(O) Sec 34 T23S R29E	
Bottom Hole Location:	400 FNL 1980 FEL NWNE(B) Sec 34 T23S R29E	

Proposed TD:	6765' TVD	10851' TMD	Elevation: 3041.3' GL
SL - Lat: 32.2554633	Long: 103.9698205	X= 612373.8	Y= 456845.9
BH - Lat: 32.2673699	Long: 103.9699228	X= 612327.5	Y= 461177.1
			NAD - 1927
			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. Anhydrite	337'	---
c. Top Salt	648'	---
d. Base Salt	2809'	---
e. Delaware	3024'	Oil
f. Bell Canyon	3060'	Oil
g. Cherry Canyon	3980'	Oil
h. Brushy Canyon	6356'	Oil

3. Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor	
See TOA	17-1/2"	-550' 400	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"	-3030' 3100	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"	10851' M	5-1/2"	17	LT&C	N-80	New	2.12	1.53	1.95
	DVT @ 5800' - POST @ 3080'				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/ 750sx 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-5795'
 Cement 2nd stage w/ 680sx 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-3075'
 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

5. Pressure Control Equipment:

Surface	None	None
Production	13-5/8" 10M	16-3/4" 2M two ram stack w/ rotating head, 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 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> ppg	<u>Visc</u> sec	<u>Fluid</u> <u>Loss</u>	<u>Type System</u>
0 - 550' 400	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
550 - 3030' 3100	9.8-10.0	28-29	NC	Brine Water
3030 - 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. If Hydrogen Sulfide is encountered, measured amounts and formations will be reported to the BLM.

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 from kick-off point to TD.
- 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 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



Occidental Permian Ltd.
Cypress 34 Fed #8H
Eddy Co, NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	
2	6192.04	0.00	359.39	6192.04	0.00	0.00	0.00	0.00	0.00	
3	7092.04	90.00	359.39	6765.00	572.93	-6.12	10.00	359.39	572.96	
4	10850.53	90.00	359.39	6765.00	4331.20	-46.30	0.00	0.00	4331.45	Pbhl

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#8H	0.00	0.00	456845.90	612373.80	32°15'19.668N	103°58'11.354W	N/A

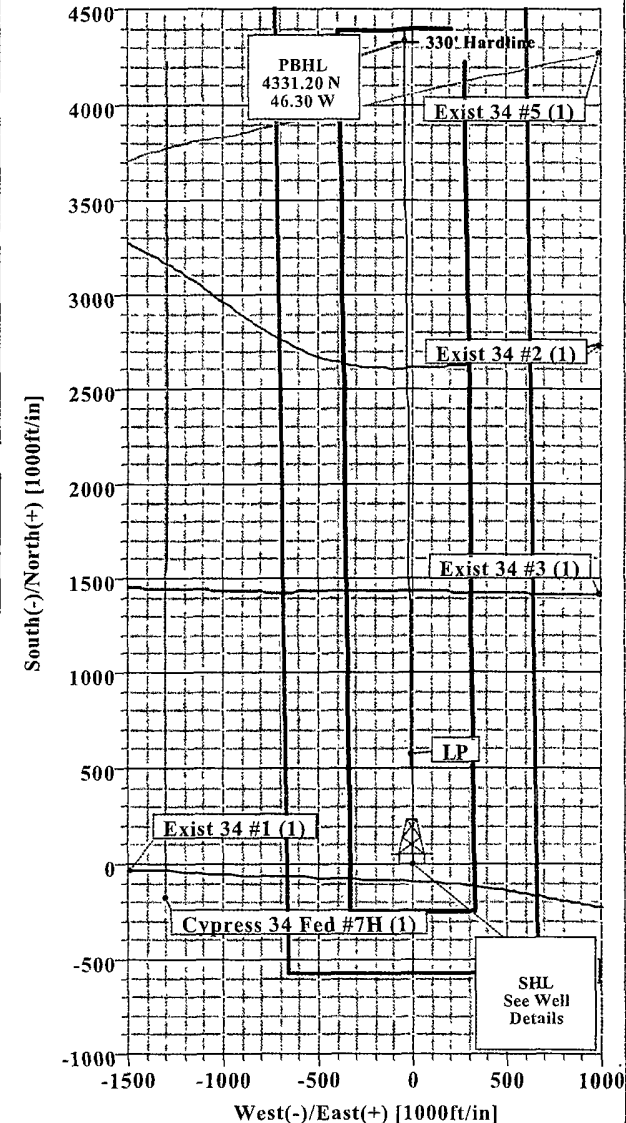
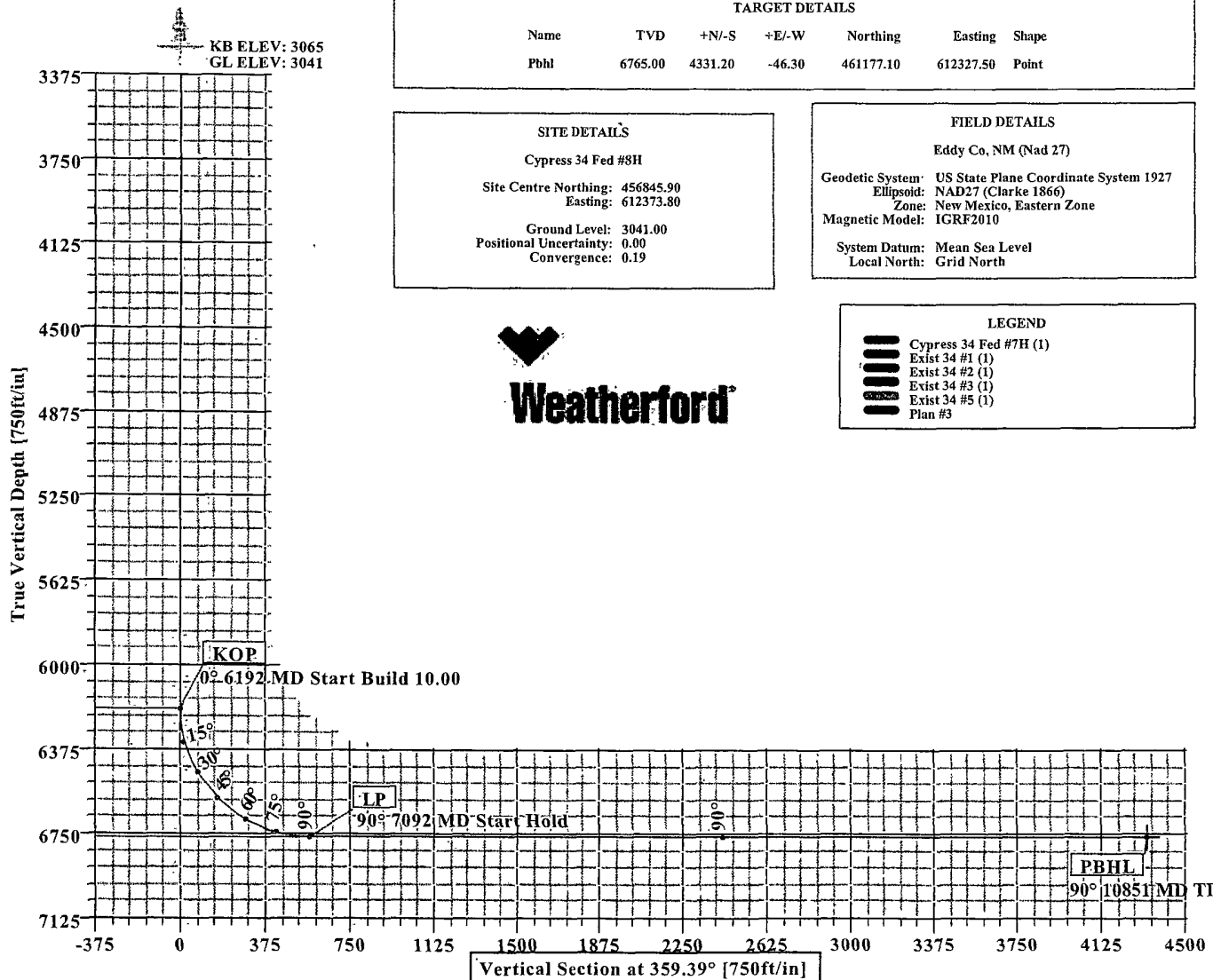
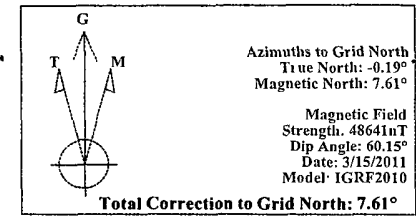
TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	6765.00	4331.20	-46.30	461177.10	612327.50	Point

SITE DETAILS
Cypress 34 Fed #8H
Site Centre Northing: 456845.90
Easting: 612373.80
Ground Level: 3041.00
Positional Uncertainty: 0.00
Convergence: 0.19

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

- Cypress 34 Fed #7H (1)
- Exist 34 #1 (1)
- Exist 34 #2 (1)
- Exist 34 #3 (1)
- Exist 34 #5 (1)
- Plan #3



Plan: Plan #3 (#8H/1)
Created By: Keith Noack
Date: 3/17/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Occidental Permian Ltd.	Date: 3/17/2011	Time: 11:22:31	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate (NE) Reference: Well: #8H Grid North		
Site: Cypress 34 Fed #8H	Vertical (TVD) Reference: SITE 3065.0		
Well: #8H	Section (VS) Reference: Well (0'00N 0'00E 359.39Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #3	Date Composed: 2/23/2011
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 34 Fed #8H

Site Position:	Northing: 456845.90 ft	Latitude: 32 15 19.668 N
From: Map	Easting: 612373.80 ft	Longitude: 103 58 11.354 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3041.00 ft		Grid Convergence: 0.19 deg

Well: #8H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 456845.90 ft
+E/-W 0.00 ft	Easting: 612373.80 ft
Position Uncertainty: 0.00 ft	Latitude: 32 15 19.668 N
	Longitude: 103 58 11.354 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 3/15/2011	Above System Datum: Mean Sea Level
Field Strength: 48641 nT	Declination: 7.80 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.15 deg
ft	+N/-S ft
0.00	+E/-W ft
	Direction deg
	0.00
	359.39

Plan Section Information

MD	Incl	Azim	TVD	N/S	E/W	DLS	Build	Turn	FFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6192.04	0.00	359.39	6192.04	0.00	0.00	0.00	0.00	0.00	0.00	
7092.04	90.00	359.39	6765.00	572.93	-6.12	10.00	10.00	0.00	359.39	
10850.53	90.00	359.39	6765.00	4331.20	-46.30	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	
6100.00	0.00	359.39	6100.00	0.00	0.00	0.00	0.00	456845.90	612373.80	
6192.04	0.00	359.39	6192.04	0.00	0.00	0.00	0.00	456845.90	612373.80	KOP
6200.00	0.80	359.39	6200.00	0.06	0.00	0.06	10.00	456845.96	612373.80	
6300.00	10.80	359.39	6299.36	10.14	-0.11	10.14	10.00	456856.04	612373.69	
6400.00	20.80	359.39	6395.46	37.33	-0.40	37.33	10.00	456883.23	612373.40	
6500.00	30.80	359.39	6485.38	80.78	-0.86	80.79	10.00	456926.68	612372.94	
6600.00	40.80	359.39	6566.39	139.20	-1.49	139.20	10.00	456985.10	612372.31	
6700.00	50.80	359.39	6636.03	210.79	-2.25	210.80	10.00	457056.69	612371.55	
6800.00	60.80	359.39	6692.17	293.38	-3.14	293.40	10.00	457139.28	612370.66	
6900.00	70.80	359.39	6733.12	384.47	-4.11	384.49	10.00	457230.37	612369.69	
7000.00	80.80	359.39	6757.62	481.28	-5.14	481.31	10.00	457327.18	612368.66	
7092.04	90.00	359.39	6765.00	572.93	-6.12	572.96	10.00	457418.83	612367.68	LP
7100.00	90.00	359.39	6765.00	580.88	-6.21	580.92	0.00	457426.78	612367.59	
7200.00	90.00	359.39	6765.00	680.88	-7.28	680.92	0.00	457526.78	612366.52	
7300.00	90.00	359.39	6765.00	780.87	-8.35	780.92	0.00	457626.77	612365.45	
7400.00	90.00	359.39	6765.00	880.87	-9.42	880.92	0.00	457726.77	612364.38	
7500.00	90.00	359.39	6765.00	980.86	-10.49	980.92	0.00	457826.76	612363.31	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company: Occidental Permian Ltd	Date: 3/17/2011	Time: 11:22:31	Page: 2
Field: Eddy Co. NM (Nad 27)	Co-ordinate (NE) Reference:	Well: #8H	Grid North
Site: Cypress 34 Fed #8H	Vertical (TVD) Reference:	SITE 3065.0	
Well: #8H	Section (V/S) Reference:	Well (0.00N 0.00E 359.39Azi)	
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
7600.00	90.00	359.39	6765.00	1080.85	-11.55	1080.92	0.00	457926.75	612362.25	
7700.00	90.00	359.39	6765.00	1180.85	-12.62	1180.92	0.00	458026.75	612361.18	
7800.00	90.00	359.39	6765.00	1280.84	-13.69	1280.92	0.00	458126.74	612360.11	
7900.00	90.00	359.39	6765.00	1380.84	-14.76	1380.92	0.00	458226.74	612359.04	
8000.00	90.00	359.39	6765.00	1480.83	-15.83	1480.92	0.00	458326.73	612357.97	
8100.00	90.00	359.39	6765.00	1580.83	-16.90	1580.92	0.00	458426.73	612356.90	
8200.00	90.00	359.39	6765.00	1680.82	-17.97	1680.92	0.00	458526.72	612355.83	
8300.00	90.00	359.39	6765.00	1780.81	-19.04	1780.92	0.00	458626.71	612354.76	
8400.00	90.00	359.39	6765.00	1880.81	-20.11	1880.92	0.00	458726.71	612353.69	
8500.00	90.00	359.39	6765.00	1980.80	-21.17	1980.92	0.00	458826.70	612352.63	
8600.00	90.00	359.39	6765.00	2080.80	-22.24	2080.92	0.00	458926.70	612351.56	
8700.00	90.00	359.39	6765.00	2180.79	-23.31	2180.92	0.00	459026.69	612350.49	
8800.00	90.00	359.39	6765.00	2280.79	-24.38	2280.92	0.00	459126.69	612349.42	
8900.00	90.00	359.39	6765.00	2380.78	-25.45	2380.92	0.00	459226.68	612348.35	
9000.00	90.00	359.39	6765.00	2480.77	-26.52	2480.92	0.00	459326.67	612347.28	
9100.00	90.00	359.39	6765.00	2580.77	-27.59	2580.92	0.00	459426.67	612346.21	
9200.00	90.00	359.39	6765.00	2680.76	-28.66	2680.92	0.00	459526.66	612345.14	
9300.00	90.00	359.39	6765.00	2780.76	-29.73	2780.92	0.00	459626.66	612344.07	
9400.00	90.00	359.39	6765.00	2880.75	-30.79	2880.92	0.00	459726.65	612343.01	
9500.00	90.00	359.39	6765.00	2980.75	-31.86	2980.92	0.00	459826.65	612341.94	
9600.00	90.00	359.39	6765.00	3080.74	-32.93	3080.92	0.00	459926.64	612340.87	
9700.00	90.00	359.39	6765.00	3180.73	-34.00	3180.92	0.00	460026.63	612339.80	
9800.00	90.00	359.39	6765.00	3280.73	-35.07	3280.92	0.00	460126.63	612338.73	
9900.00	90.00	359.39	6765.00	3380.72	-36.14	3380.92	0.00	460226.62	612337.66	
10000.00	90.00	359.39	6765.00	3480.72	-37.21	3480.92	0.00	460326.62	612336.59	
10100.00	90.00	359.39	6765.00	3580.71	-38.28	3580.92	0.00	460426.61	612335.52	
10200.00	90.00	359.39	6765.00	3680.71	-39.35	3680.92	0.00	460526.61	612334.45	
10300.00	90.00	359.39	6765.00	3780.70	-40.42	3780.92	0.00	460626.60	612333.38	
10400.00	90.00	359.39	6765.00	3880.69	-41.48	3880.92	0.00	460726.59	612332.32	
10500.00	90.00	359.39	6765.00	3980.69	-42.55	3980.92	0.00	460826.59	612331.25	
10600.00	90.00	359.39	6765.00	4080.68	-43.62	4080.92	0.00	460926.58	612330.18	
10700.00	90.00	359.39	6765.00	4180.68	-44.69	4180.92	0.00	461026.58	612329.11	
10800.00	90.00	359.39	6765.00	4280.67	-45.76	4280.92	0.00	461126.57	612328.04	
10850.53	90.00	359.39	6765.00	4331.20	-46.30	4331.45	0.00	461177.10	612327.50	Pbhl

Targets

Name	Description	TVD	N/S	E/W	Map Northing	Map Easting	Latitude	Longitude
	Dip	Dir	ft	ft	ft	ft	Deg Min Sec	Deg Min Sec
Pbhl			6765.00	4331.20	-46.30	461177.10	612327.50	32 16 2.532 N 103 58 11.723 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



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



Company:	Occidental Permian Ltd.	Date:	3/17/2011	Time:	11:22:31	Page:	3
Field:	Eddy Co., NM (Nad 27)	Co-ordinate(NE) Reference:	Well: #8H	Grid North:			
Site:	Cypress 34 Fed #8H	Vertical (TVD) Reference:	SITE 30650				
Well:	#8H	Section (VS) Reference:	Well (0:00N,0:00E,359.39Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

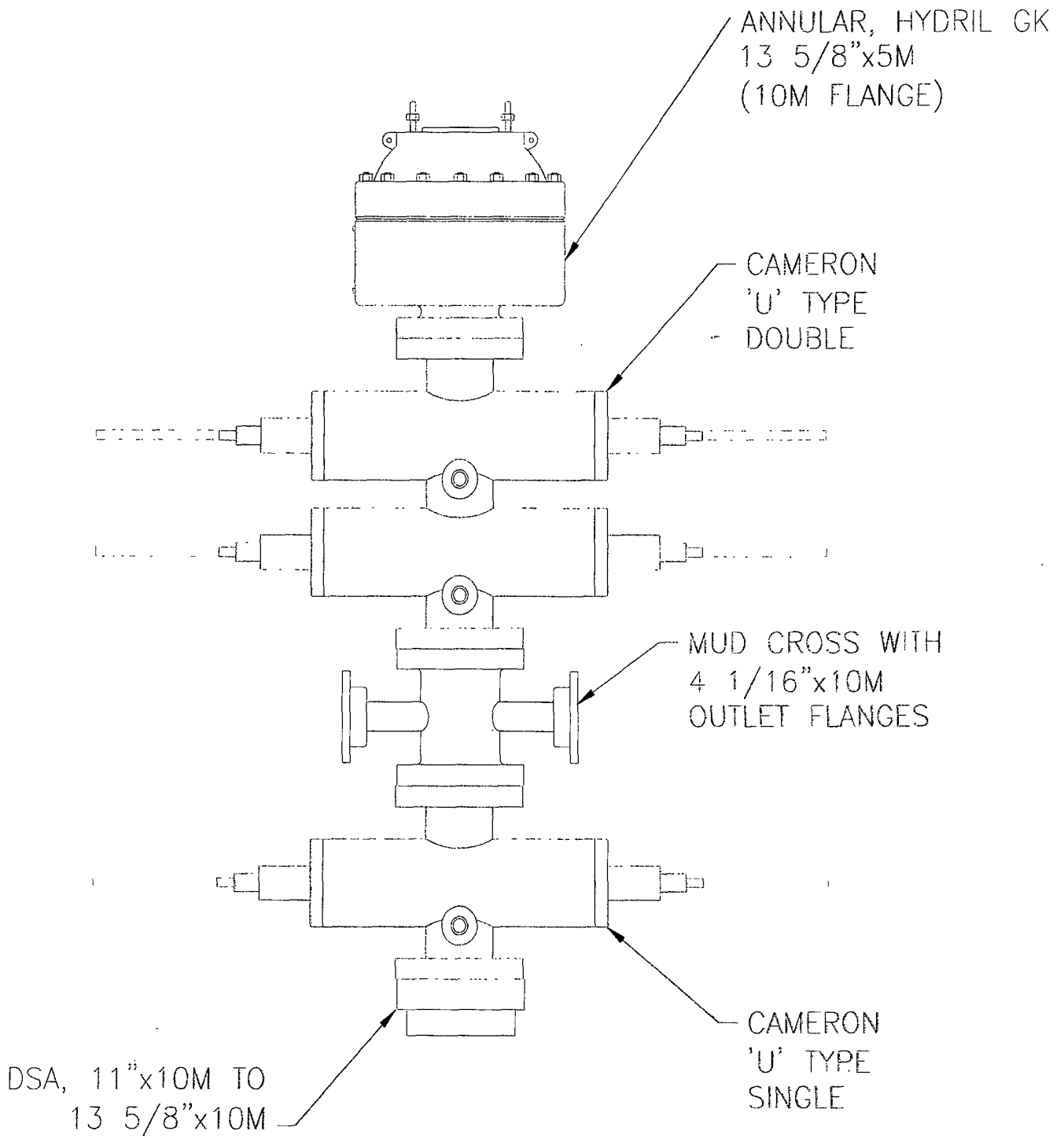
Annotation

MD ft	TVD ft	
6192.04	6192.04	KOP
7092.04	6765.00	LP
10850.53	6765.00	PBHL

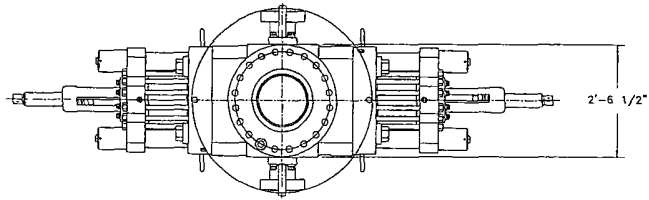
Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction
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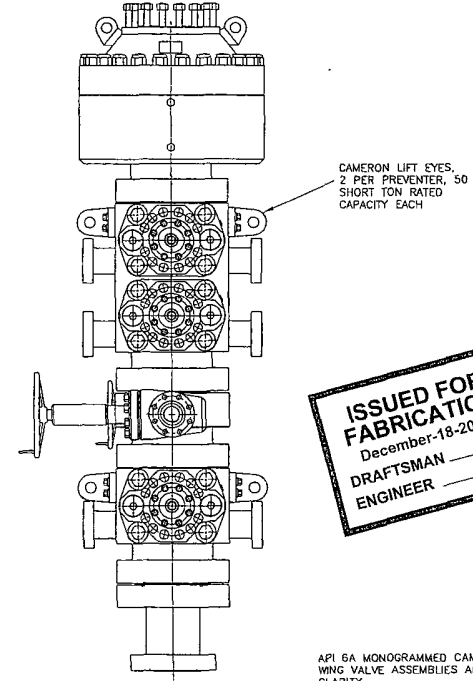
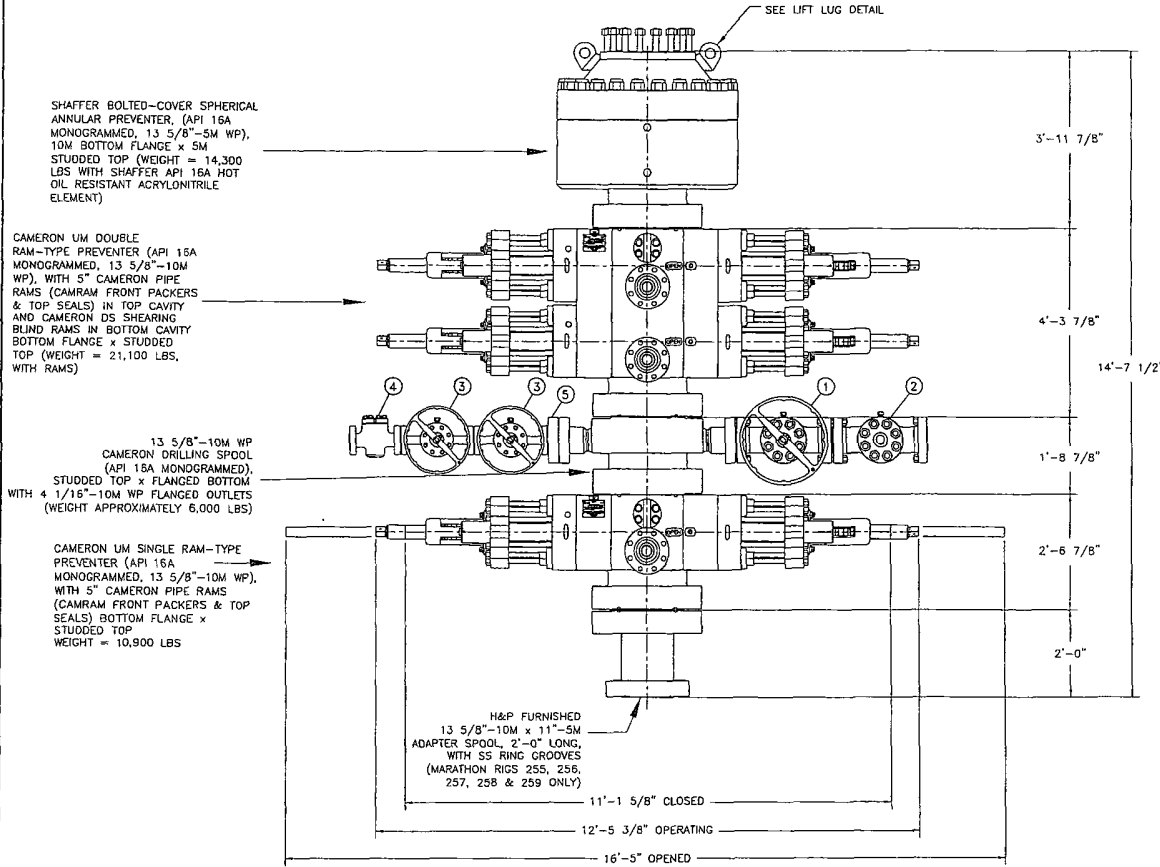
BOP Diagram



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 VALVE
 - ④ - 2 1/16"-10M FLANGED END CHECK VALVE
 - ⑤ - DOUBLE STUDDED ADAPTER



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

PROPRIETARY
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13 5/8-10M STACK

HELMERICH & PAYNE
 INTERNATIONAL DRILLING CO

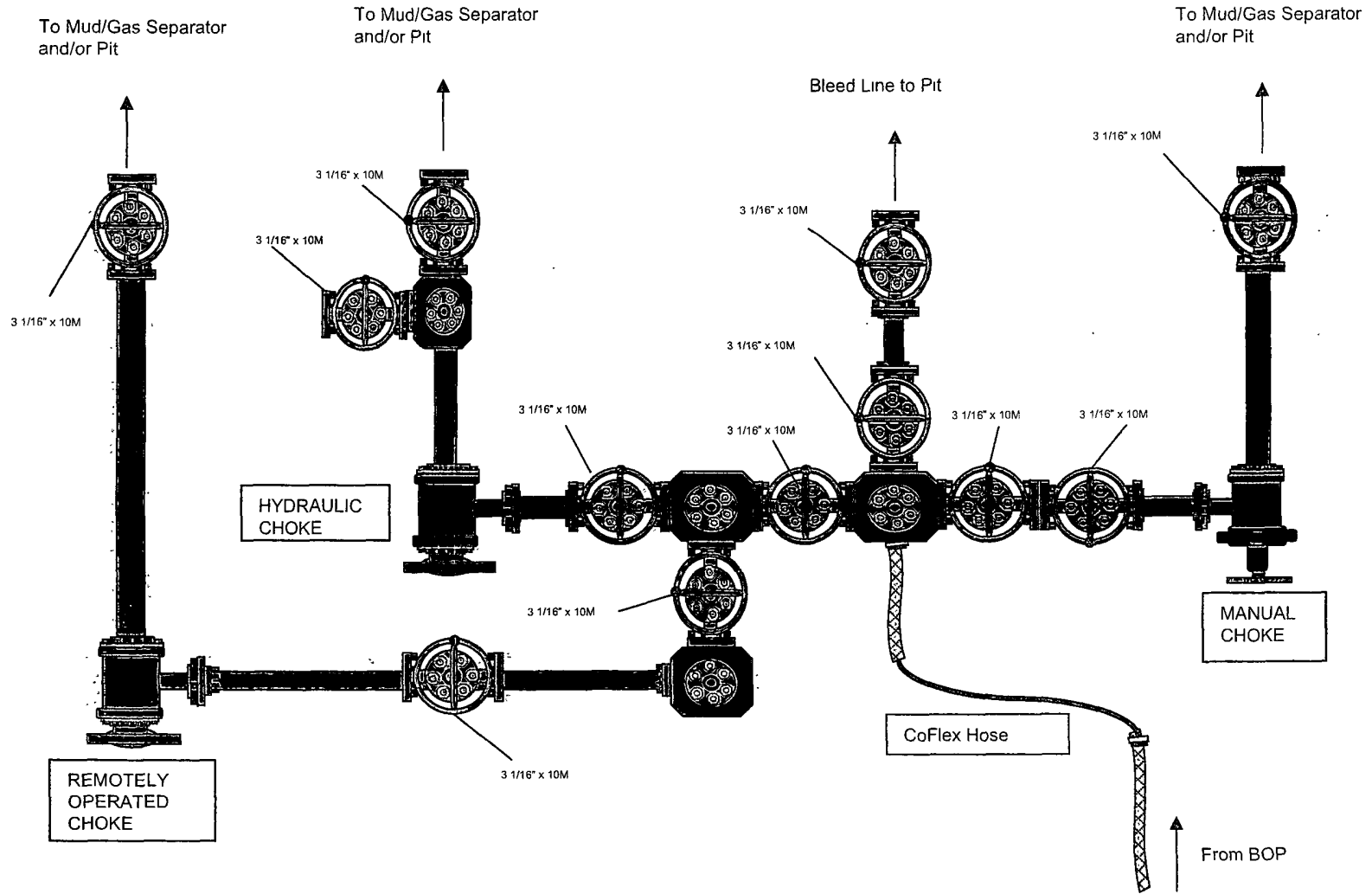
ENGINEERING APPROVAL		DATE	TITLE
▲	12/18/07	ADDED SHEET 03	JAV
▲	4-10-07	CREWMAN REMBER DOUBLE STUDDED ADAPTER WINGS 1, 2, & 3 AND 16 CHECK VALVE ADDED	JBG
▲	4-04-07	BT ADDED TO SPACER ADAPTER SPOOL	JBG
▲	02-07-07	ADDED ADAPTER SPOOL	MWL
▲	08-13-02	CORRECTED BOP STACK	MWL
REV	DATE	DESCRIPTION	BY

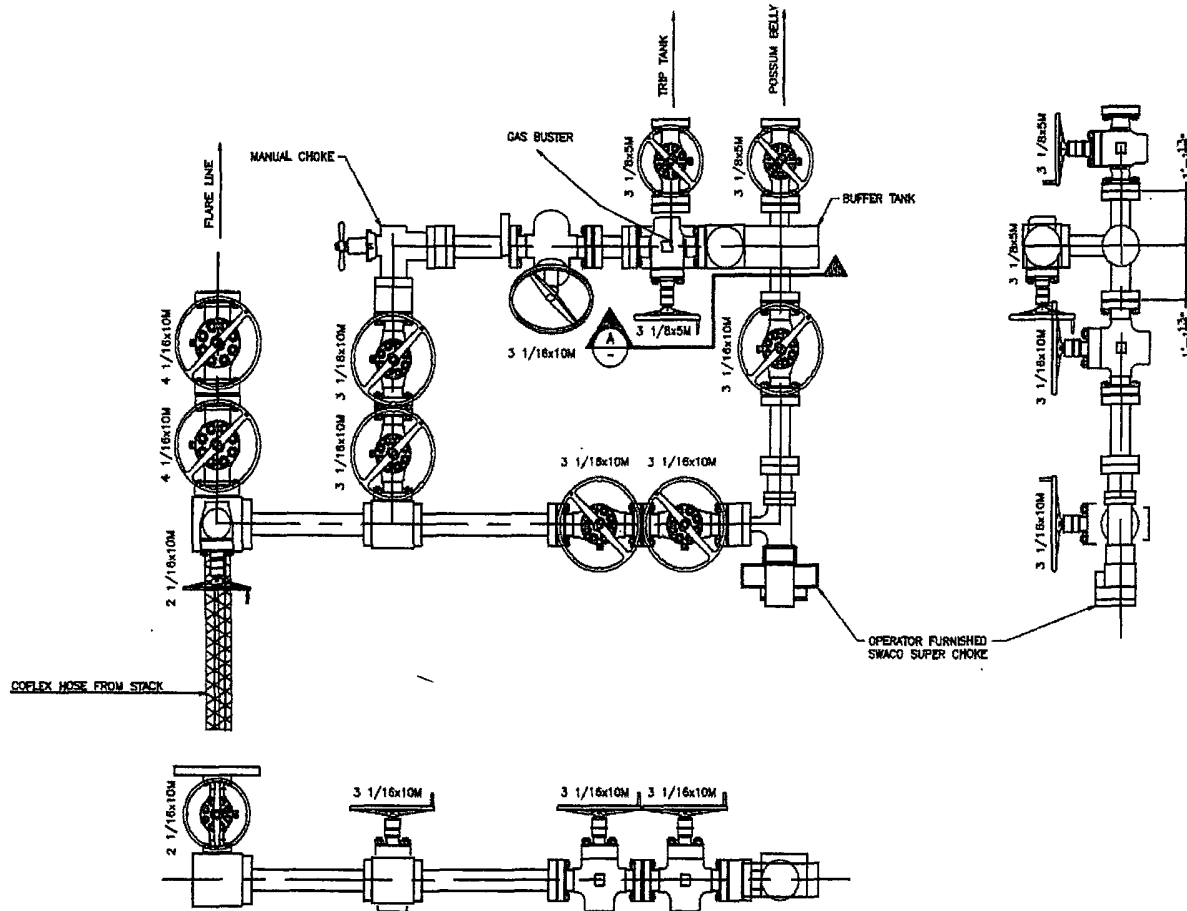
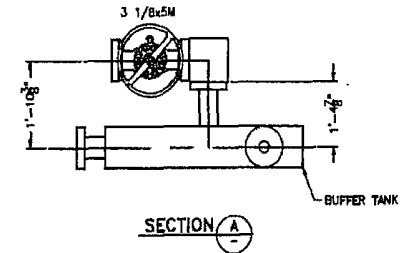
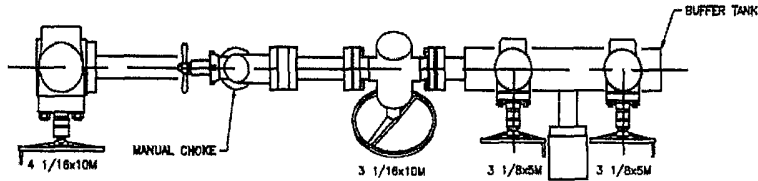
CUSTOMER		H&P	
PROJECT		FLEXRIG3	
DRAWN	MTS	DATE	6-5-02
SCALE	3/4"=1'	SHEET	1 OF 1

13 5/8"-10M BOP 3 RAM STACK
FLEXRIG3

DWG NO 210-P1-07
REV E

10M CHOKE MANIFOLD CONFIGURATION





ISSUED FOR FABRICATION
 MARCH 9, 2000
 DRAFTSMAN _____
 ENGINEER _____

HELMERICH & PAYNE
 INTERNATIONAL DRILLING CO.

CHOKE MANIFOLD

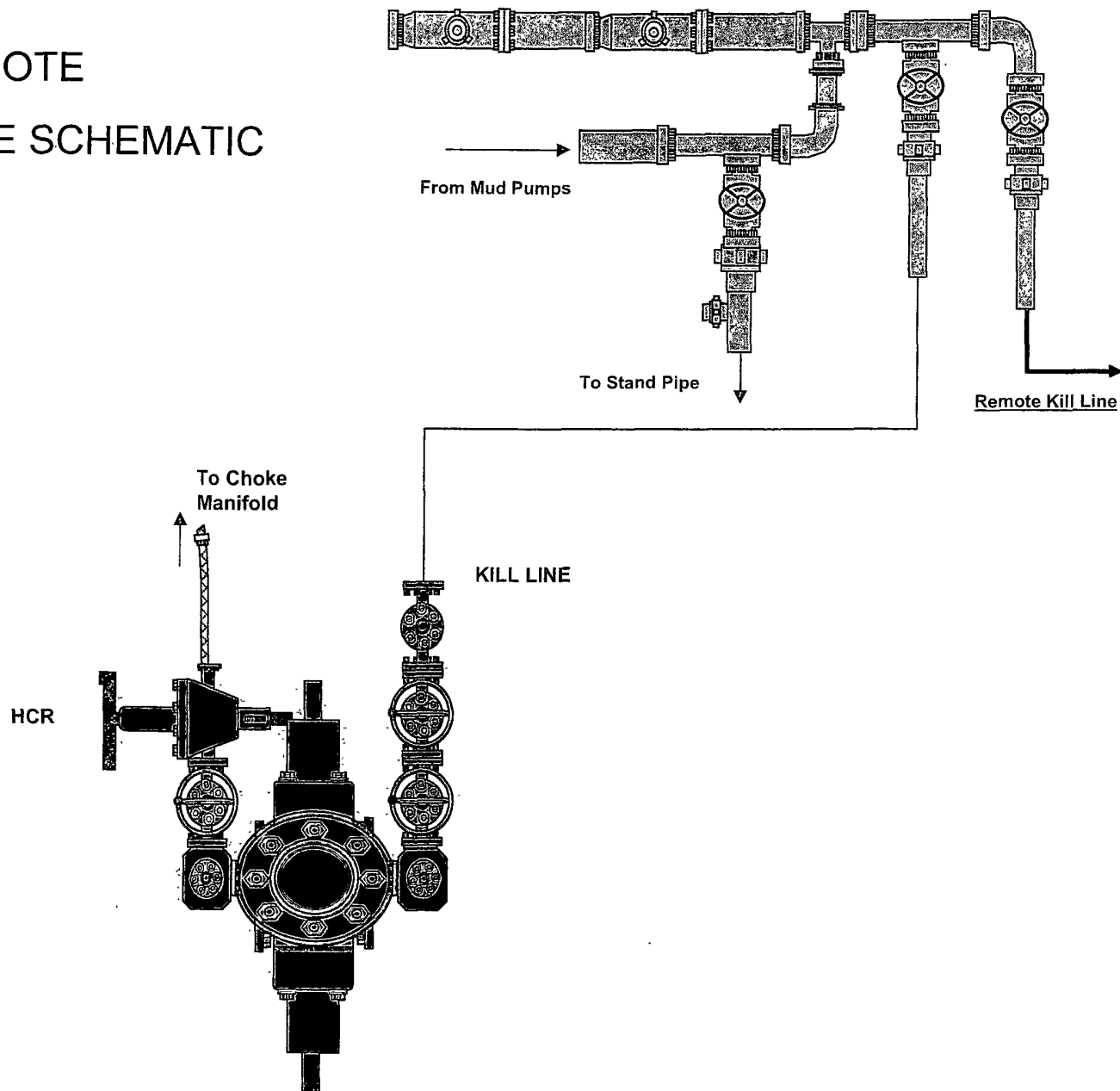
CUSTOMER: H&P
 PROJECT: FLEXRIG3
 DRAWN: MTS DATE: 2-28-02 DWG. NO.: 216-P1-05
 SCALE: 3/4"=1' SHEET: 1 OF 1 REV: A

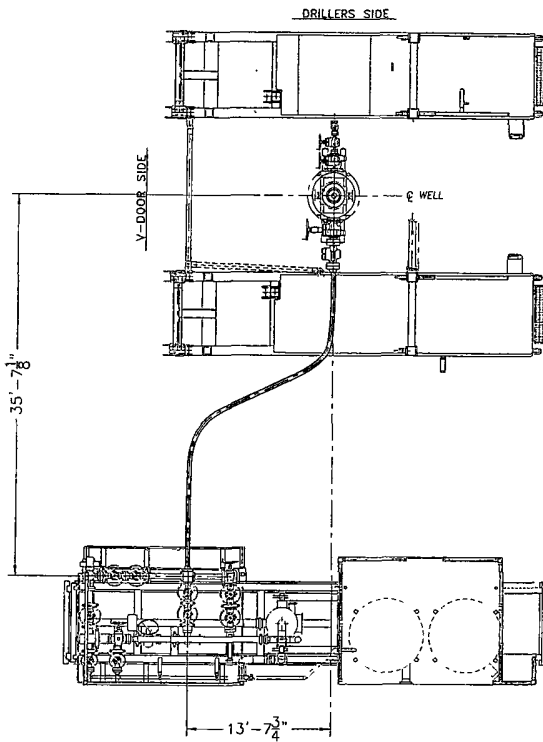
ENGINEERING APPROVAL DATE: _____

REV	DATE	DESCRIPTION	BY
▲			
▲			
▲			
▲	10/13/02	ADJUST DIM TO FIELD CONFIRMED DIM	PAT

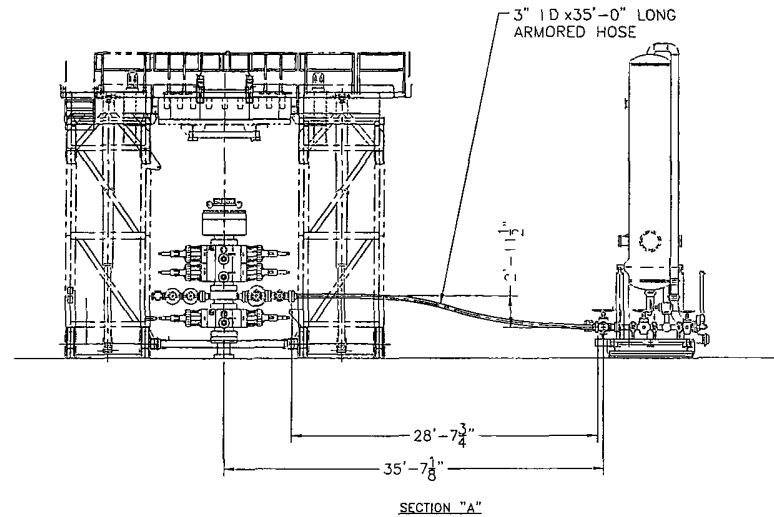
PROPRIETARY
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10M REMOTE KILL LINE SCHEMATIC





PLAN VIEW



SECTION "A"

ISSUED FOR FABRICATION
 December-19-2007
 DRAFTSMAN _____
 ENGINEER _____

PROPRIETARY

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HELMERICH & PAYNE
 INTERNATIONAL DRILLING CO.

ENGINEERING APPROVAL DATE TITLE

△				
△				
△				
△	12/16/07	REMOVED SHEET TOTAL CALLOUT	JAV	
REV	DATE	DESCRIPTION	BY	

PROJECT		TITLE	
CHOKE LINE SYSTEM		FLEXRIG3	
CUSTOMER		DRAWN JBG DATE 4-10-07 DWG NO.	
PROJECT		SCALE 3/16"=1" SHEET 2 OF { }	
210-P1-07		A	

CERTIFICATE OF CONFORMITY

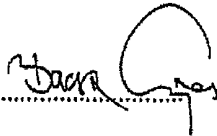
Supplier : CONTITECH RUBBER INDUSTRIAL KFT.
Equipment : 6 pcs. Choke and Kill Hose with installed couplings
Type : 3" x 10,67 m WP: 10000 psi
Supplier File Number : 412638
Date of Shipment : April. 2008
Customer : Phoenix Beattie Co.
Customer P.o. : 002491
Referenced Standards
/ Codes / Specifications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



Position: Q.C. Manager

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

Date: 04. April. 2008

Coflex Hose Certification

Dach
Coflex Rubber
Industrial Kft.
Quality Control Dept.
(2)

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: sa11@phoenixbeattie.com
www.phoenixbeattie.com

Delivery Note

Customer Order Number	370-369-001	Delivery Note Number	003078	Page	1
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
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.



QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 746	
PURCHASER: Phoenix Beattle 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:	Inspector		Quality Control		
04. April. 2008			ContiTech Rubber Industrial Kft. Quality Control Dept. (1)		

Coflex Hose Certification

Form No 100/12



Phoenix Beattie Corp

11535 Brittanore 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 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.