

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS
SECRETARY'S POTASH
HOBBS OCD

ATS-11-685

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. NMNM01135
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Occidental Permian Ltd.		7. Unit or CA Agreement Name and No.
3a. Address P.O. Box 50250 Midland, TX 79710-0250		8. Lease Name and Well No. Fecta 33 Federal #1H
3b. Phone No. (include area code) 432-685-5717		9. API Well No. 30-025-40279
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 330 FNL 990 FWL NWNW(D) At proposed prod. zone 330 FSL 660 FWL SWSW(M)		10. Field and Pool, or Exploratory Lusk Bone Spring, South
14. Distance in miles and direction from nearest town or post office* 16 miles south from Maljamar, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 33 T19S R32E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 330'	16. No. of Acres in lease 320	12. County or Parish Lea
17. Spacing Unit dedicated to this well 160	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1320'	13. State NM
19. Proposed Depth 13761'M 9400'V	20. BLM/BIA Bond No. on file NM2797-929128583	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3554.8' 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 5/9/11
Title Regulatory Advisor		
Approved by (Signautre) /s/ Jesse J. Juen	Name (Printed/Typed) /s/ Jesse J. Juen	Date AUG 24 2011
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)

CAPTAN CONTROLLED WATER BASIN

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

KW 09/06/11

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED**

SEP 08 2011

HOBBS OCD

SEP 06 2011

RECEIVED

United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220

Attention: Linda ~~Denniston~~

RE: Fecta 33 Federal Com #1H
Eddy County, New Mexico

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

OPERATOR NAME: OXY USA Inc.
ADDRESS: P.O. Box 4294
Houston, Texas 77210-4294

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

LEASE NO.: NMNM 01135

LEGAL DESCRIPTION: SL: 330' FNL 990' FWL NWNW(D)
PBHL: 330' FSL 660' FWL SWSW(M)
Section 33 T19S R32E
Eddy County, New Mexico

FORMATIONS: Bone Springs

BOND COVERAGE: Nationwide

BLM BOND FILE NO.:

ES 0136

NM 7797 BH.

AUTHORIZED SIGNATURE:

OXY USA Inc.

C. D. Barnett
Colin D. Barnett

TITLE: Landman

DATE: May 2, 2011

cc: David Stewart

DRILLING PROGRAM

Operator Name/Number: **Occidental Permian LP** 157984
 Lease Name/Number: **Fecta 33 Federal #1H** Federal Lease No. **NMNM01135**
 Pool Name/Number: **Lusk Bone Spring, South** 41460
 Surface Location: **330 FNL 990 FWL NWNW(D) Sec 33 T19S R32E**
 Bottom Hole Location: **330 FSL 660 FWL SWSW(M) Sec 33 T19S R32E**

Proposed TD: **9400' TVD** **13761' TMD** Elevation: **3554.8' GL**
 SL - Lat: **32.6231241** Long: **103.7760129** X=**671588.9** Y=**590853.9** NAD - 1927
 BH - Lat: **32.6104123** Long: **103.7771407** X=**671265.9** Y=**586227.5** NAD - 1927

1. Geologic Name of Surface Formation:

a. Permian

HOBBS OCD**2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:****SEP 06 2011****RECEIVED**

<u>Geological Marker</u>	<u>Depth</u>	<u>Type</u>
a. Upper Permian Sand	230'	Water
b. Anhydrite	800'	---
c. Top Salt	1140'	---
d. Bottom Salt	2470'	---
e. Yates-7R-Queen	2630'	Oil/Gas
f. Capitan Reef	3000'	Water
g. Delaware	4250'	Oil
h. Bone Spring Lime	7300'	Oil
i. 1st Bone Spring	8470'	Oil
j. 2nd Bone Spring	9120'	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>
17-1/2"	920' 960'	13-3/8"	48	ST&C	H-40	New	2.02	2.76	2.33
				Hole filled with 8.4# Mud			770#	1730#	
12-1/4"	4100' 4150'	9-5/8"	40	LT&C	J-55	New	1.18	1.2	2.17
				Hole filled with 10# Mud			2570#	3950#	
8-3/4"	13761' M	5-1/2"	17	LT&C	N-80	New	1.45	1.53	2.05
DVT @ 8000' - POST @ 4150'				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/ 840sx 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/ 1020sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 5#/sx Gilonite, 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/ 1700sx 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-7995'
Cement 2nd stage w/ 985sx 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-4145'
Cement 3rd stage w/ 670sx 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 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 - 920' <i>960</i>	8.4-8.9	32-34	NC	Fresh Water/Spud Mud
920 - 4100' <i>4150</i>	9.8-10.0	28-29	NC	Brine Water
4100 - 8200'	8.6-8.8	28-29	NC	Fresh Water
8200 - 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*

- 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 LWD GR from KOP to TD, GR through salt.
- c. No coring program is planned but if done will be sidewall rotary cores.
- d. Mud logging program will be initiated from intermediate to TD.

9. Potential Hazards:

No abnormal pressures, temperatures or H₂S gas are expected. The highest anticipated pressure gradient would be 0.54psi/ft or 4900psi. 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.



Fecta 33 Fed Com #1H
Lea Co, New Mexico

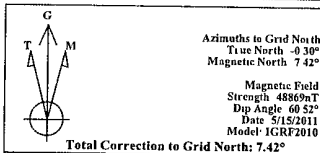
KB ELEV: 3578.80
GLE ELEV: 3554.80

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
2	4200 00	0 00	0 00	4200 00	0 00	0 00	0 00	0 00	0 00
3	4450 00	5 00	225 00	4449.68	-7.71	-7.71	2.00	225.00	8.23
4	4686 63	5 00	225 00	4685.41	-22.29	-22.29	0 00	0 00	23.79
5	4936 63	0 00	0 00	4935.10	-30.00	-30.00	2 00	180 00	32.02
6	8828 58	0 00	0 00	8827 05	-30 00	-30 00	0 00	0 00	32.02
7	9728 58	90 00	183 65	9400 00	-601 80	-66 45	10 00	183.65	604.96
8	13761 35	90 00	183.65	9400 00	-4626 40	-323 00	0 00	0 00	4637.66 PBHL

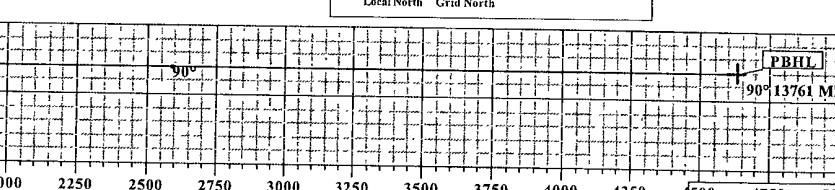
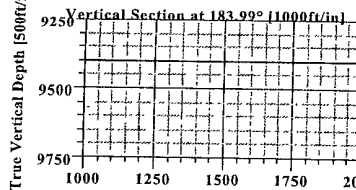
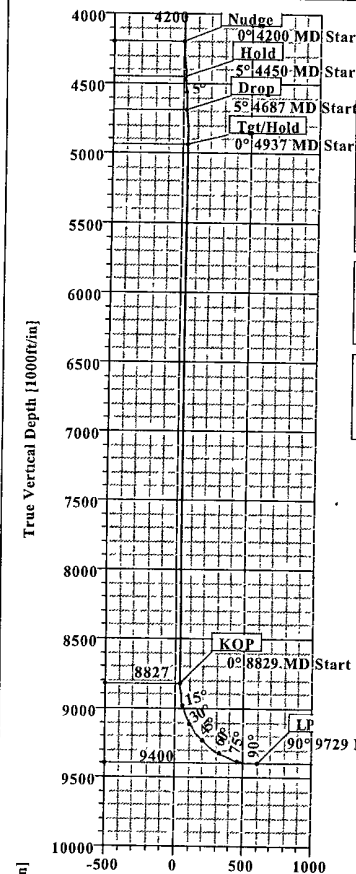
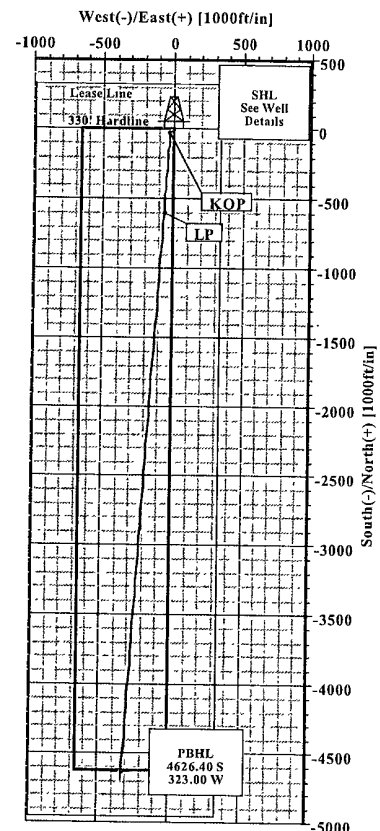
WELL DETAILS						
Name+N/-S	+E/-W	Northng	Easting	Latitude	Longitude	Slot
IH 0.00	0.00	590853.90	671588.90	32°37'23.247N	103°46'33.647W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northng	Easting	Shape
PBHL	9400.00	-4626.40	-323.00	586227.50	671265.90	Point

SITE DETAILS
Fecta 33 Federal COM 1H
Site Centre Northng. 590853.90
Easting 671588.90
Ground Level 3554.80
Positional Uncertainty 0.00
Convergence 0.30



FIELD DETAILS
Lea Co, New Mexico (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



Vertical Section at 183.99° [500ft/in]

Plan #1 (1H/1)

Created By: Keith Noack

Date: 4/28/2011



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd	Date: 4/28/2011	Time: 14:48:30	Page: 1
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H: Gnd North	
Site: Fecta 33 Federal COM 1H	Vertical (TVD) Reference:	SITE 3578.8	
Well: 1H	Section (VS) Reference:	Well (0.00N 0.00E 183.99Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #1	Date Composed: 4/28/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Lea Co, New Mexico (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:		Fecta 33 Federal COM 1H			
Site Position:					
From:	Map	Northing:	590853 90 ft	Latitude:	32 37 23.247 N
Position Uncertainty:	0 00 ft	Easting:	671588 90 ft	Longitude:	103 46 33 647 W
Ground Level:	3554.80 ft			North Reference:	Grid
				Grid Convergence:	0.30 deg

Well: 1H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 37 23.247 N
+E/-W 0.00 ft	Longitude: 103 46 33.647 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 5/15/2011	Above System Datum: Mean Sea Level
Field Strength: 48869 nT	Declination: 7.72 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 52 deg
ft	+N/-S ft
0.00	0.00
	Direction deg
	0.00
	183.99

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4450.00	5.00	225.00	4449.68	-7.71	-7.71	2.00	2.00	0.00	225.00	
4686.63	5.00	225.00	4685.41	-22.29	-22.29	0.00	0.00	0.00	0.00	
4936.63	0.00	0.00	4935.10	-30.00	-30.00	2.00	-2.00	54.00	180.00	
8828.58	0.00	0.00	8827.05	-30.00	-30.00	0.00	0.00	0.00	0.00	
9728.58	90.00	183.65	9400.00	-601.80	-66.45	10.00	10.00	-19.59	183.65	
13761.35	90.00	183.65	9400.00	-4626.40	-323.00	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	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	590853.90	671588.90	Nudge
4300.00	2.00	225.00	4299.98	-1.23	-1.23	1.32	2.00	590852.67	671587.67	
4400.00	4.00	225.00	4399.84	-4.93	-4.93	5.27	2.00	590848.97	671583.97	
4450.00	5.00	225.00	4449.68	-7.71	-7.71	8.23	2.00	590846.19	671581.19	Hold
4500.00	5.00	225.00	4499.49	-10.79	-10.79	11.52	0.00	590843.11	671578.11	
4600.00	5.00	225.00	4599.11	-16.95	-16.95	18.09	0.00	590836.95	671571.95	
4686.63	5.00	225.00	4685.41	-22.29	-22.29	23.79	0.00	590831.61	671566.61	Drop
4700.00	4.73	225.00	4698.73	-23.09	-23.09	24.65	2.00	590830.81	671565.81	
4800.00	2.73	225.00	4798.52	-27.70	-27.70	29.56	2.00	590826.20	671561.20	
4900.00	0.73	225.00	4898.47	-29.83	-29.83	31.84	2.00	590824.07	671559.07	
4936.63	0.00	0.00	4935.10	-30.00	-30.00	32.02	2.00	590823.90	671558.90	Tgt/Hold
5000.00	0.00	0.00	4998.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
5100.00	0.00	0.00	5098.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
5200.00	0.00	0.00	5198.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd
Field: Lea Co New Mexico (Nad 27)
Site: Fecta 33 Federal COM 1H
Well: 1H
Wellpath: 1

Date: 4/28/2011 Time: 14:48:30 Page: 2
Co-ordinate(NE) Reference: Well: 1H Grid North
Vertical (TVD) Reference: SITE 3578.8
Section (VS) Reference: Well (0.00N 0.00E 183.99Azi)
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
5300.00	0 00	0.00	5298.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
5400.00	0.00	0.00	5398.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
5500.00	0.00	0 00	5498.47	-30.00	-30 00	32.02	0.00	590823.90	671558.90	
5600.00	0 00	0.00	5598.47	-30 00	-30 00	32.02	0 00	590823.90	671558.90	
5700.00	0 00	0 00	5698.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
5800.00	0.00	0.00	5798.47	-30 00	-30 00	32.02	0 00	590823.90	671558.90	
5900.00	0.00	0.00	5898.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
6000.00	0.00	0 00	5998.47	-30 00	-30 00	32.02	0.00	590823.90	671558.90	
6100.00	0 00	0.00	6098.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
6200.00	0.00	0.00	6198.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
6300.00	0.00	0 00	6298.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
6400.00	0 00	0.00	6398.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
6500.00	0.00	0.00	6498.47	-30.00	-30 00	32.02	0 00	590823.90	671558.90	
6600.00	0.00	0.00	6598.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
6700.00	0.00	0.00	6698.47	-30.00	-30 00	32.02	0.00	590823.90	671558.90	
6800.00	0.00	0.00	6798.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
6900.00	0 00	0.00	6898.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
7000.00	0.00	0.00	6998.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
7100.00	0.00	0.00	7098.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
7200.00	0 00	0.00	7198.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
7300.00	0 00	0.00	7298.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
7400.00	0.00	0 00	7398.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
7500.00	0.00	0.00	7498.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
7600.00	0.00	0 00	7598.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
7700.00	0.00	0.00	7698.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
7800.00	0 00	0 00	7798.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
7900.00	0 00	0.00	7898.47	-30 00	-30.00	32.02	0.00	590823.90	671558.90	
8000.00	0.00	0 00	7998.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
8100.00	0 00	0.00	8098.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
8200.00	0.00	0 00	8198.47	-30.00	-30.00	32.02	0.00	590823.90	671558.90	
8300.00	0 00	0.00	8298.47	-30 00	-30 00	32.02	0 00	590823.90	671558.90	
8400.00	0.00	0.00	8398.47	-30.00	-30 00	32.02	0.00	590823.90	671558.90	
8500.00	0.00	0.00	8498.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
8600.00	0 00	0.00	8598.47	-30.00	-30 00	32.02	0.00	590823.90	671558.90	
8700.00	0 00	0.00	8698.47	-30 00	-30 00	32.02	0.00	590823.90	671558.90	
8800.00	0.00	0.00	8798.47	-30.00	-30.00	32.02	0 00	590823.90	671558.90	
8828.58	0.00	0.00	8827.05	-30 00	-30.00	32.02	0.00	590823.90	671558.90	KOP
8900.00	7.14	183.65	8898.28	-34.44	-30.28	36.46	10.00	590819.46	671558.62	
9000.00	17.14	183.65	8995.92	-55.40	-31.62	57.47	10.00	590798.50	671557.28	
9100.00	27.14	183.65	9088.43	-92.97	-34.01	95.11	10.00	590760.93	671554.89	
9200.00	37.14	183.65	9172.99	-145.99	-37.39	148.24	10.00	590707.91	671551.51	
9300.00	47.14	183.65	9247.05	-212.87	-41.66	215.25	10.00	590641.03	671547.24	
9400.00	57.14	183.65	9308.34	-291.56	-46.67	294.11	10.00	590562.34	671542.23	
9500.00	67.14	183.65	9355.01	-379.68	-52.29	382.40	10.00	590474.22	671536.61	
9600.00	77.14	183.65	9385.64	-474.55	-58.34	477.46	10.00	590379.35	671530.56	
9700.00	87.14	183.65	9399.29	-573.29	-64.63	576.40	10.00	590280.61	671524.27	
9728.58	90.00	183.65	9400.00	-601.80	-66.45	604.96	10.00	590252.10	671522.45	LP
9800.00	90.00	183.65	9400.00	-673.07	-70.99	676.38	0.00	590180.83	671517.91	
9900.00	90.00	183.65	9400.00	-772.87	-77.35	776.38	0.00	590081.03	671511.55	
10000.00	90 00	183.65	9400.00	-872.67	-83.72	876.38	0.00	589981.23	671505.18	
10100.00	90 00	183.65	9400.00	-972.46	-90.08	976.38	0.00	589881.44	671498.82	
10200.00	90.00	183.65	9400.00	-1072.26	-96.44	1076.38	0.00	589781.64	671492.46	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company:	Occidental Permian Ltd.	Date:	4/28/2011	Time:	14:48:30	Page:	3
Field:	Lea Co. New Mexico (Nad:27)	Co-ordinate(NE) Reference:	Well: 1H, Grid: North				
Site:	Fecta 33 Federal COM 1H	Vertical(TVD) Reference:	SITE 3578.8				
Well:	1H	Section(VS) Reference:	Well(0.00N,0.00E,183.99Azi)				
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
10300.00	90.00	183.65	9400.00	-1172.06	-102.80	1176.37	0.00	589681.84	671486.10	
10400.00	90.00	183.65	9400.00	-1271.86	-109.16	1276.37	0.00	589582.04	671479.74	
10500.00	90.00	183.65	9400.00	-1371.65	-115.52	1376.37	0.00	589482.25	671473.38	
10600.00	90.00	183.65	9400.00	-1471.45	-121.89	1476.37	0.00	589382.45	671467.01	
10700.00	90.00	183.65	9400.00	-1571.25	-128.25	1576.37	0.00	589282.65	671460.65	
10800.00	90.00	183.65	9400.00	-1671.05	-134.61	1676.36	0.00	589182.85	671454.29	
10900.00	90.00	183.65	9400.00	-1770.84	-140.97	1776.36	0.00	589083.06	671447.93	
11000.00	90.00	183.65	9400.00	-1870.64	-147.33	1876.36	0.00	588983.26	671441.57	
11100.00	90.00	183.65	9400.00	-1970.44	-153.69	1976.36	0.00	588883.46	671435.21	
11200.00	90.00	183.65	9400.00	-2070.24	-160.06	2076.36	0.00	588783.66	671428.84	
11300.00	90.00	183.65	9400.00	-2170.03	-166.42	2176.36	0.00	588683.87	671422.48	
11400.00	90.00	183.65	9400.00	-2269.83	-172.78	2276.35	0.00	588584.07	671416.12	
11500.00	90.00	183.65	9400.00	-2369.63	-179.14	2376.35	0.00	588484.27	671409.76	
11600.00	90.00	183.65	9400.00	-2469.43	-185.50	2476.35	0.00	588384.47	671403.40	
11700.00	90.00	183.65	9400.00	-2569.22	-191.86	2576.35	0.00	588284.68	671397.04	
11800.00	90.00	183.65	9400.00	-2669.02	-198.23	2676.35	0.00	588184.88	671390.67	
11900.00	90.00	183.65	9400.00	-2768.82	-204.59	2776.34	0.00	588085.08	671384.31	
12000.00	90.00	183.65	9400.00	-2868.62	-210.95	2876.34	0.00	587985.28	671377.95	
12100.00	90.00	183.65	9400.00	-2968.41	-217.31	2976.34	0.00	587885.49	671371.59	
12200.00	90.00	183.65	9400.00	-3068.21	-223.67	3076.34	0.00	587785.69	671365.23	
12300.00	90.00	183.65	9400.00	-3168.01	-230.03	3176.34	0.00	587685.89	671358.87	
12400.00	90.00	183.65	9400.00	-3267.81	-236.40	3276.34	0.00	587586.09	671352.50	
12500.00	90.00	183.65	9400.00	-3367.60	-242.76	3376.33	0.00	587486.30	671346.14	
12600.00	90.00	183.65	9400.00	-3467.40	-249.12	3476.33	0.00	587386.50	671339.78	
12700.00	90.00	183.65	9400.00	-3567.20	-255.48	3576.33	0.00	587286.70	671333.42	
12800.00	90.00	183.65	9400.00	-3667.00	-261.84	3676.33	0.00	587186.90	671327.06	
12900.00	90.00	183.65	9400.00	-3766.79	-268.20	3776.33	0.00	587087.11	671320.70	
13000.00	90.00	183.65	9400.00	-3866.59	-274.57	3876.32	0.00	586987.31	671314.33	
13100.00	90.00	183.65	9400.00	-3966.39	-280.93	3976.32	0.00	586887.51	671307.97	
13200.00	90.00	183.65	9400.00	-4066.19	-287.29	4076.32	0.00	586787.71	671301.61	
13300.00	90.00	183.65	9400.00	-4165.98	-293.65	4176.32	0.00	586687.92	671295.25	
13400.00	90.00	183.65	9400.00	-4265.78	-300.01	4276.32	0.00	586588.12	671288.89	
13500.00	90.00	183.65	9400.00	-4365.58	-306.37	4376.32	0.00	586488.32	671282.53	
13600.00	90.00	183.65	9400.00	-4465.38	-312.74	4476.31	0.00	586388.52	671276.16	
13700.00	90.00	183.65	9400.00	-4565.17	-319.10	4576.31	0.00	586288.73	671269.80	
13761.35	90.00	183.65	9400.00	-4626.40	-323.00	4637.66	0.00	586227.50	671265.90	PBHL

Targets

Name	Description	Dir	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			9400.00	-4626.40	-323.00	586227.50	671265.90	32 36 37.484 N	103 46 37.707 W

Casing Points

MD	TVD	Diameter	Hole Size	Name



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Lea Co. New Mexico (Nad 27)
Site: Fecta 33 Federal COM 1H
Well: 1H
Wellpath: 1

Date: 4/28/2011 Time: 14:48:30 Page: 1
Co-ordinate(NE) Reference: Well: 1H, Grid North
Vertical (TVD) Reference: SITE-3578.8
Section (VS) Reference: Well: (0.00N,0.00E,183.99Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

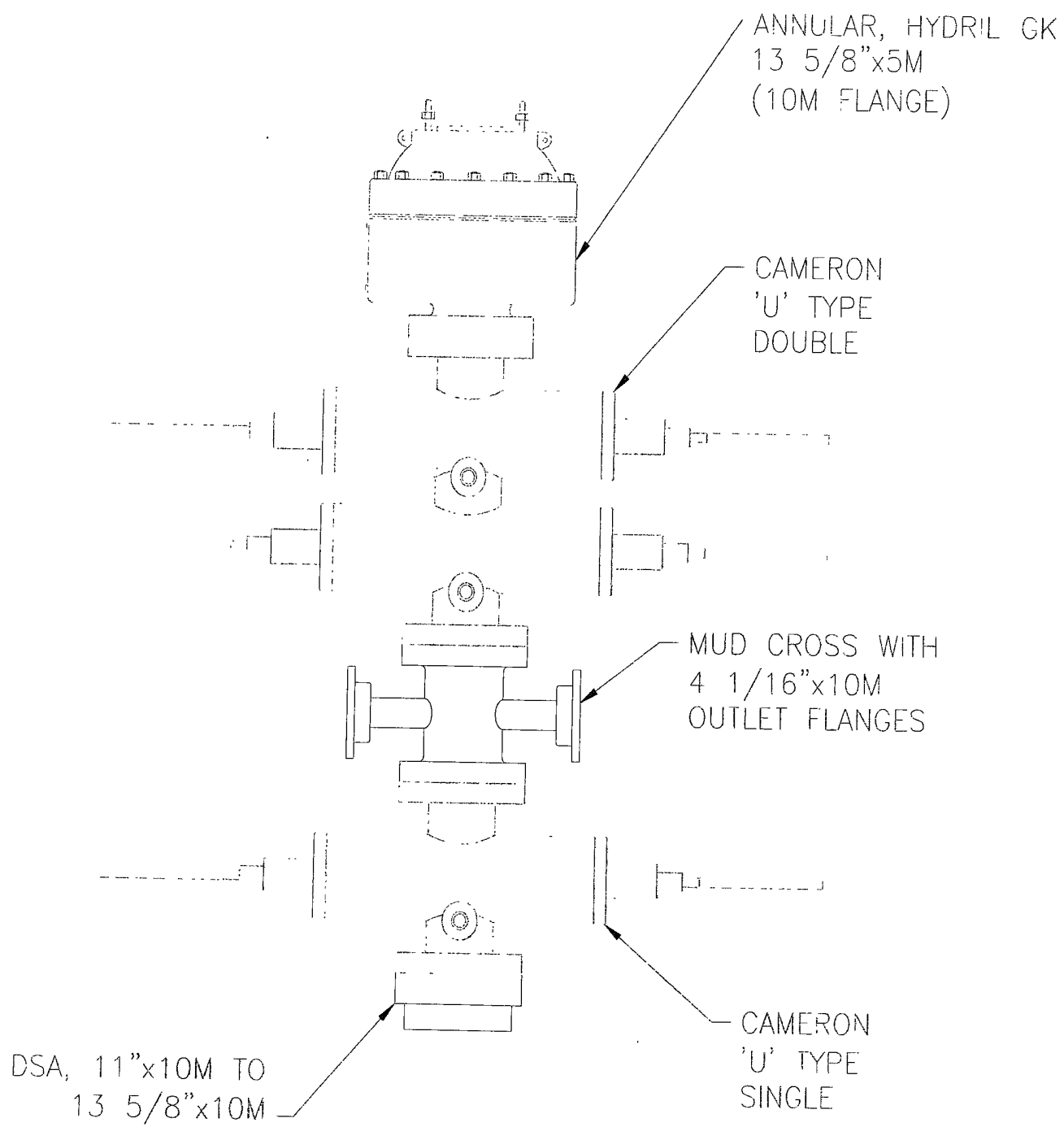
Annotation

MD ft	TVD ft	
4200.00	4200.00	Nudge
4450.00	4449.68	Hold
4686.63	4685.41	Drop
4936.63	4935.09	Tgt/Hold
8828.58	8827.05	KOP
9728.58	9400.00	LP
13761.35	9400.00	PBHL

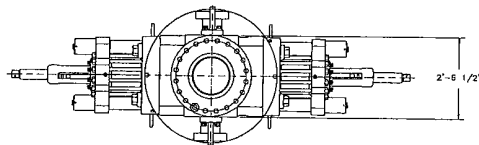
Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

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

SHAFFER BOLTED-COVER SPHERICAL ANNUAL PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP) 10M BOTTOM FLANGE x 5M STUDDED TOP (WEIGHT = 14,300 LBS WITH SHAFFER API 16A HOT OIL RESISTANT ACRYLONITRILE ELEMENT)

CAMERON LM DOUBLE RAM-TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP) WITH 5" CAMERON PIPE RAMS (CAMRAM FRONT PACKERS & TOP SEALS) IN TOP CAVITY AND CAMERON DS SHEARING BLIND RAMS IN BOTTOM CAVITY BOTTOM FLANGE x STUDDED TOP (WEIGHT = 21,100 LBS WITH RAMS)

13 5/8"-10M WP CAMERON DRILLING SPOOL (API 16A MONOGRAMMED) STUDDED TOP x FLANGED BOTTOM WITH 4 1/16"-10M WP FLANGED OUTLETS (WEIGHT APPROXIMATELY 6,000 LBS)

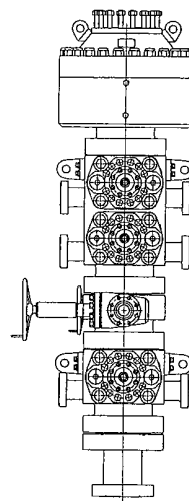
CAMERON LM SINGLE RAM-TYPE PREVENTER (API 16A MONOGRAMMED, 13 5/8"-10M WP) WITH 5" CAMERON PIPE RAMS (CAMRAM FRONT PACKERS & TOP SEALS) BOTTOM FLANGE x STUDDED TOP (WEIGHT = 10,900 LBS)

H&P FURNISHED 13 5/8"-10M x 11"-5M ADAPTER SPOOL, 2'-0" LONG, WITH 52 RING GROOVES (MARATHON RIGS 255, 256, 257, 258 & 259 ONLY)

13 5/8-10M STACK

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 DUCY AUTHORIZED OFFICE OF HELMERICH & PAYNE INTL DRILLING CO

13 5/8-10M STACK



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

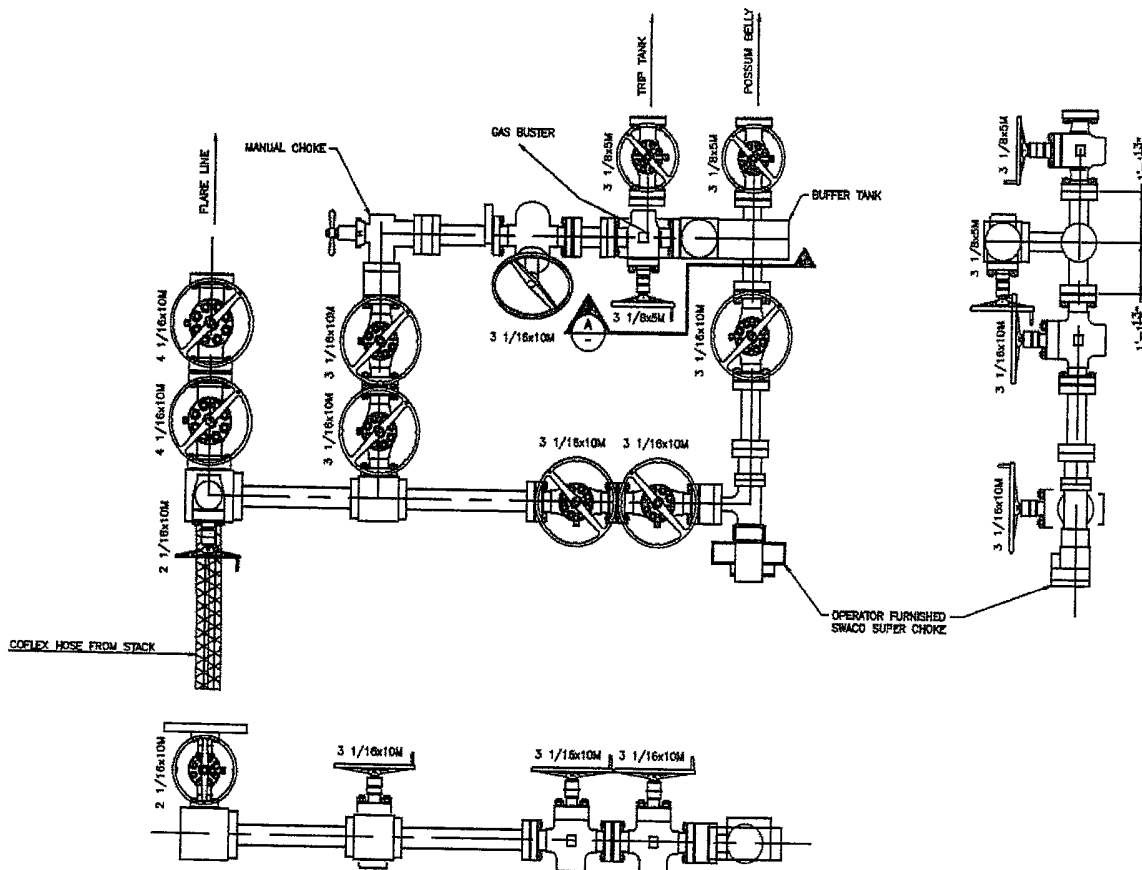
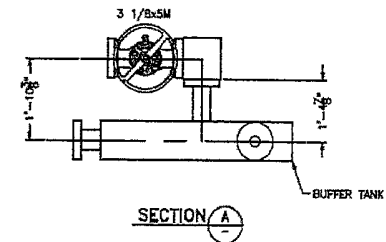
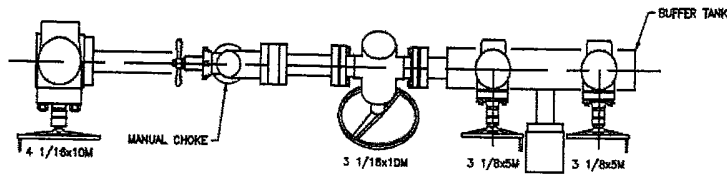
ISSUED FOR FABRICATION
December-18-2007
DRAFTSMAN
ENGINEER

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

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO

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

ENGINEERING APPROVAL		DATE	TITLE
12/18/97	ADDED SHEET 03	JAV	13 5/8"-10M BOP 3 RAM STACK
4-10-07	REPLACED BOP DOUBLE GROUND ADAPTER SHEET 1, 2 & 3 AND NO OTHER SHEETS	JRG	CUSTOMER H&P
4-04-07	ADDED TO BOP ADAPTER SPOOL	JRG	PROJECT FLEXRIG3
02-07-07	ADDED ADAPTER SPOOL	WHL	DESIGN MTS
08-13-02	CONNECTED BOP STACK	WHL	DATE 6-5-02 DWG NO
REV	DATE	DESCRIPTION	BY
SCALE	3/4"=1'	SHEET 1 OF 7	210-P1-07 E



ISSUED FOR FABRICATION
 MARCH 8, 2000
 DRAFTSMAN _____
 ENGINEER _____

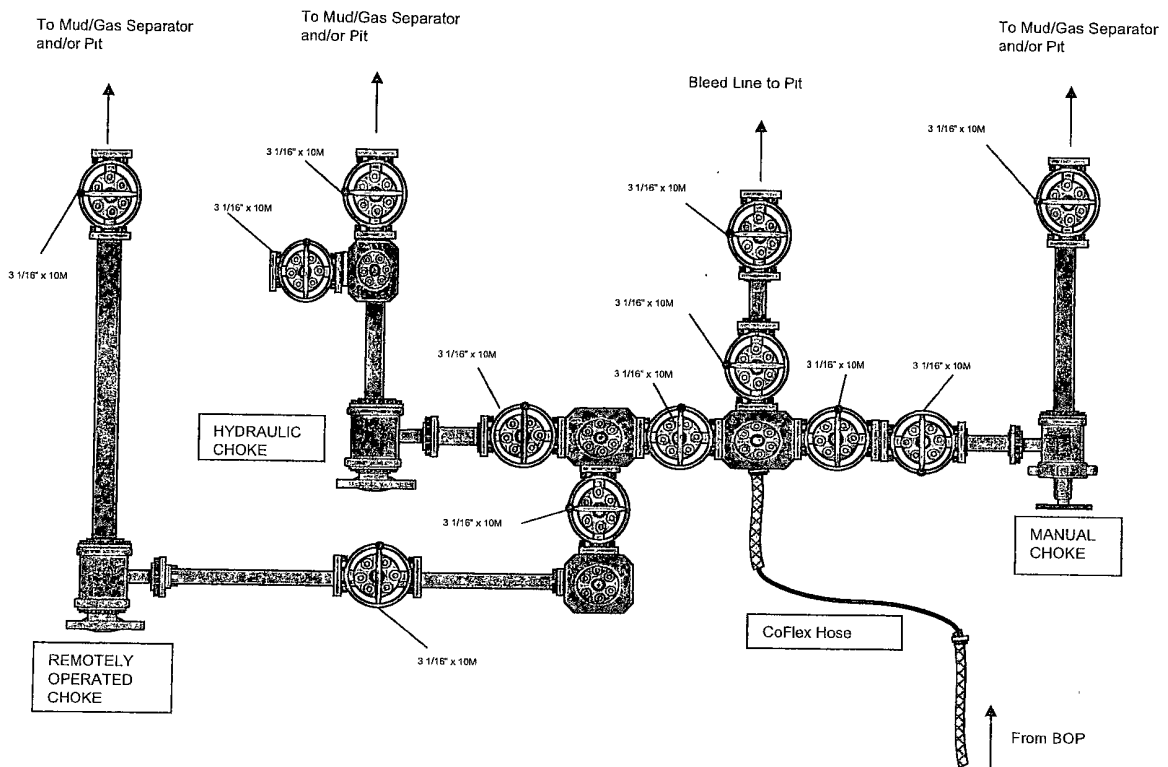
PROPRIETARY

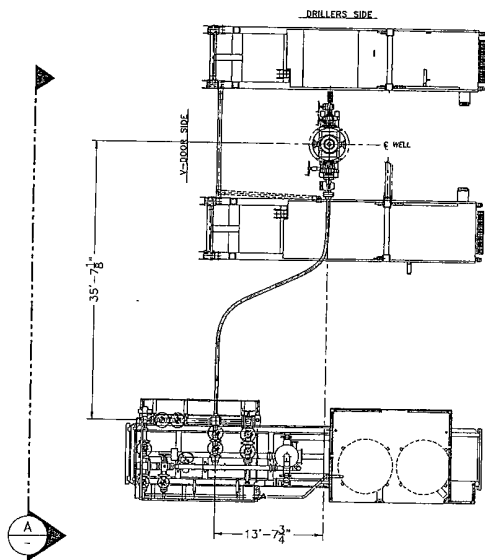
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REV	DATE	DESCRIPTION	BY
1	10/15/02	ADJUST DN TO FIELD CONFIRMED DIM	RAY

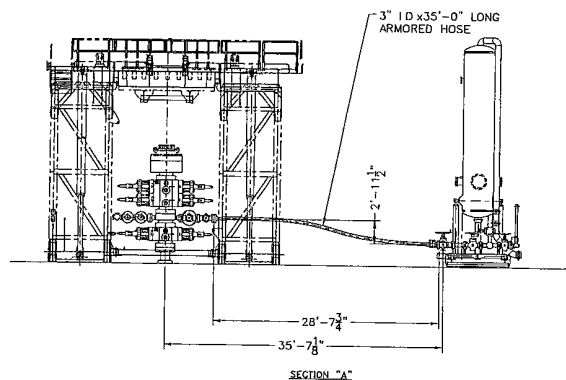
		HELMERICH & PAYNE		INTERNATIONAL DRILLING CO.	
CHOKE MANIFOLD					
CUSTOMER: H&P					
PROJECT: FLEXRIG3					
DRAWN: MTS	DATE: 2-28-02	DWG. NO.:	REV:		
SCALE: 3/4"=1'	SHEET: 1 OF 1	216-P1-05	A		

10M CHOKE MANIFOLD CONFIGURATION





PLAN VIEW



SECTION "A"

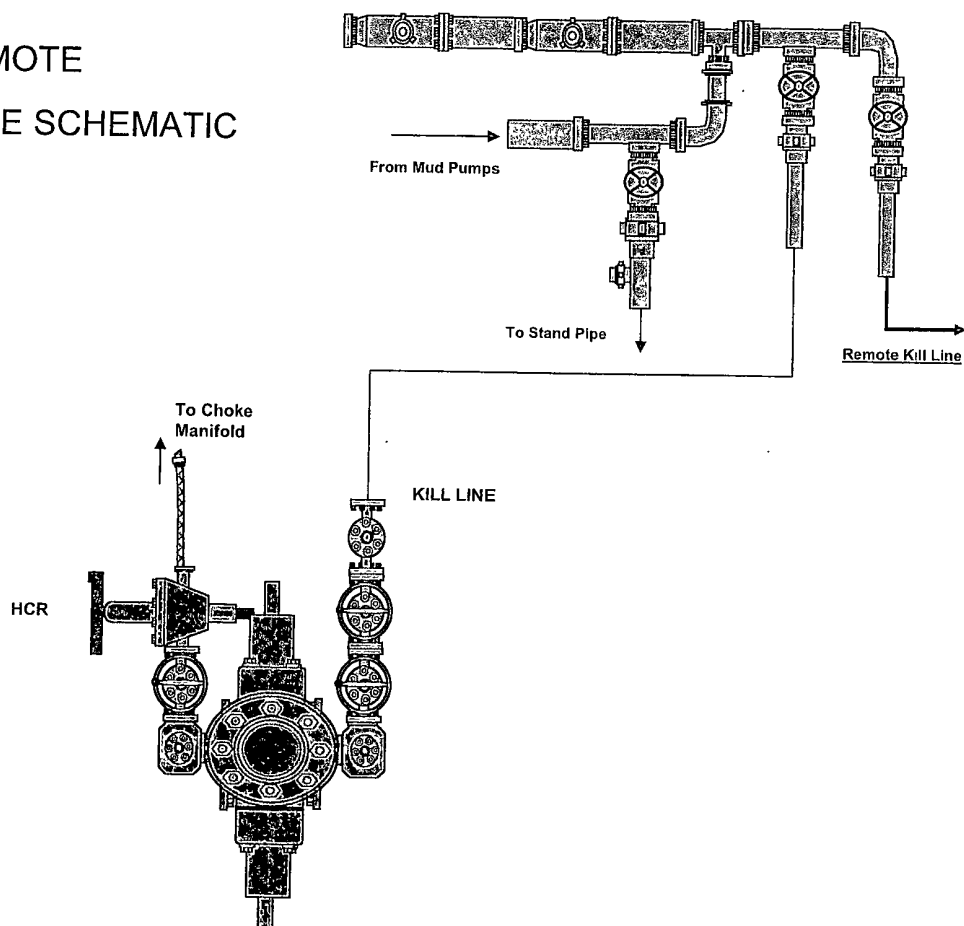
**ISSUED FOR
FABRICATION**
December-19-2007
DRAFTSMAN _____
ENGINEER _____

PROPRIETARY

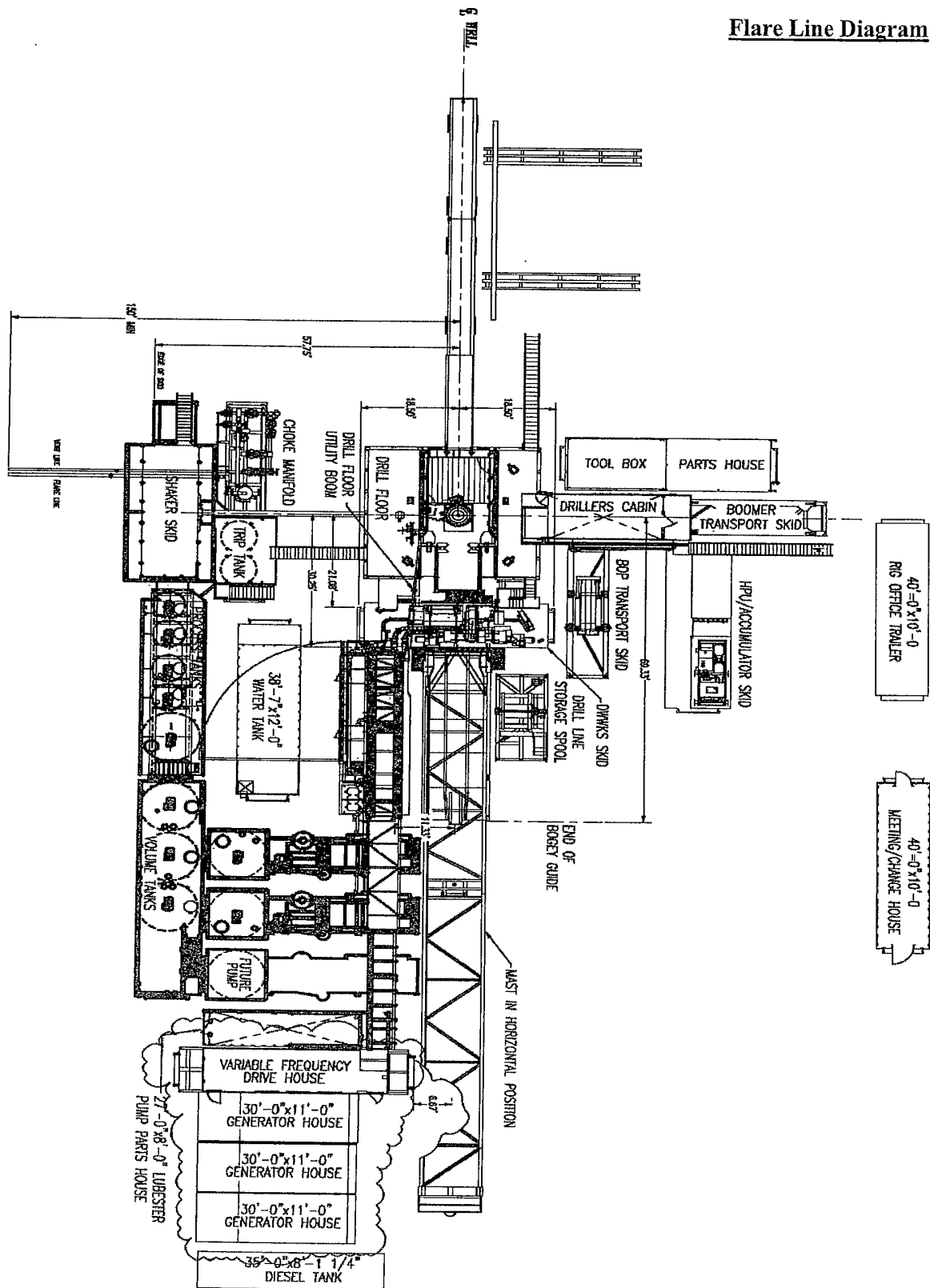
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REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER
WITHOUT THE PRIOR WRITTEN CONSENT OF A QUALIFIED
OFFICER OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

ENGINEERING APPROVAL		DATE		TITLE	
[Signature]		[Date]		HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
PROJECT		CUSTOMER		CHOKE LINE SYSTEM FLEXRIG3	
PROJECT		DATE		DWC NO	
12/18/07		4-10-07		210-P1-07	
REV	DATE	DESCRIPTION	BY	SCALE	SHEET 2 OF 3
1	12/18/07	REMOVED SHEET TOTAL CALLOUT	JAY	3/16"=1'	

10M REMOTE
KILL LINE SCHEMATIC



Flare Line Diagram



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 :



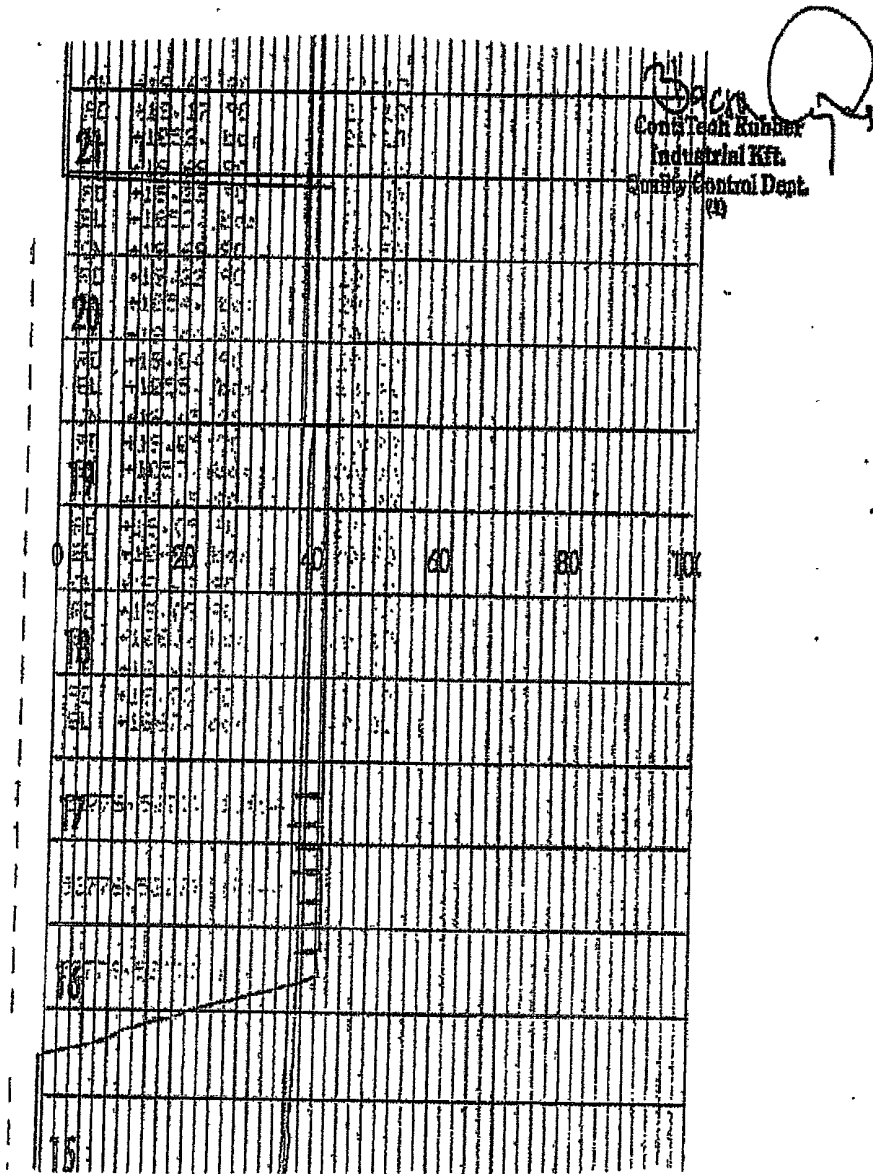
ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(3)

Position: Q.C. Manager

Date: 04. April. 2008

Coflex Hose Certification

Page: 1/1





PA No	006330	Client	HELMERICH & PAYNE INT'L DRILLING	Client Ref	370-369-001
Part No	Description	Material	Quantity	Unit	Page

[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.

05/03/02

Coflex Hose Certification

Coflex Hose Certification



Form No 100/12

Phoenix Beattie Corp

11535 Britton Park Drive
Houston, TX 77041
Tel: (832) 327-0141
Fax: (832) 327-0148
E-mail: sales@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.

Coflex Hose Certification



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 Brittonville 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

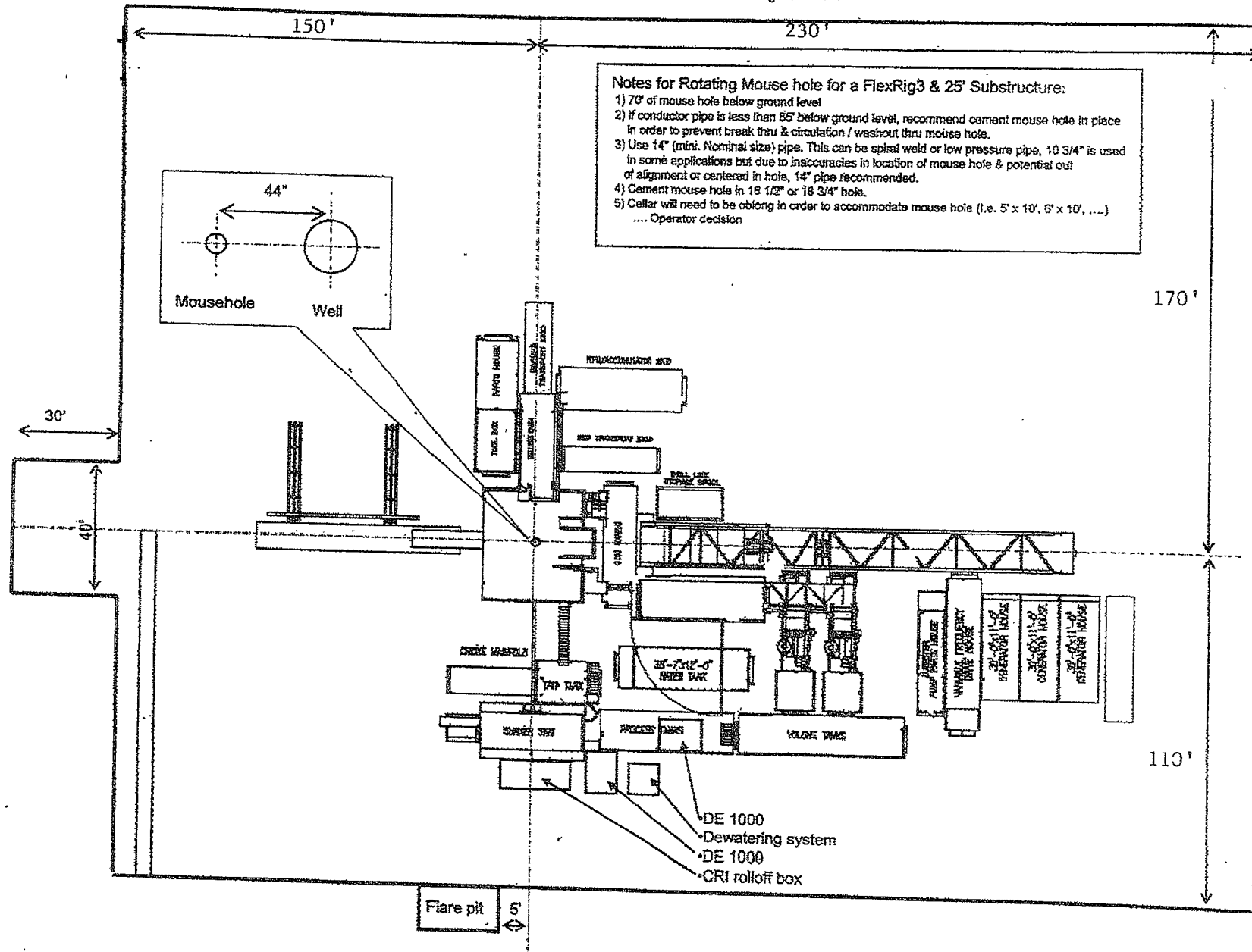
Print Name

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.

OXY FLEX III PAD (SCOMI Closed Loop System)

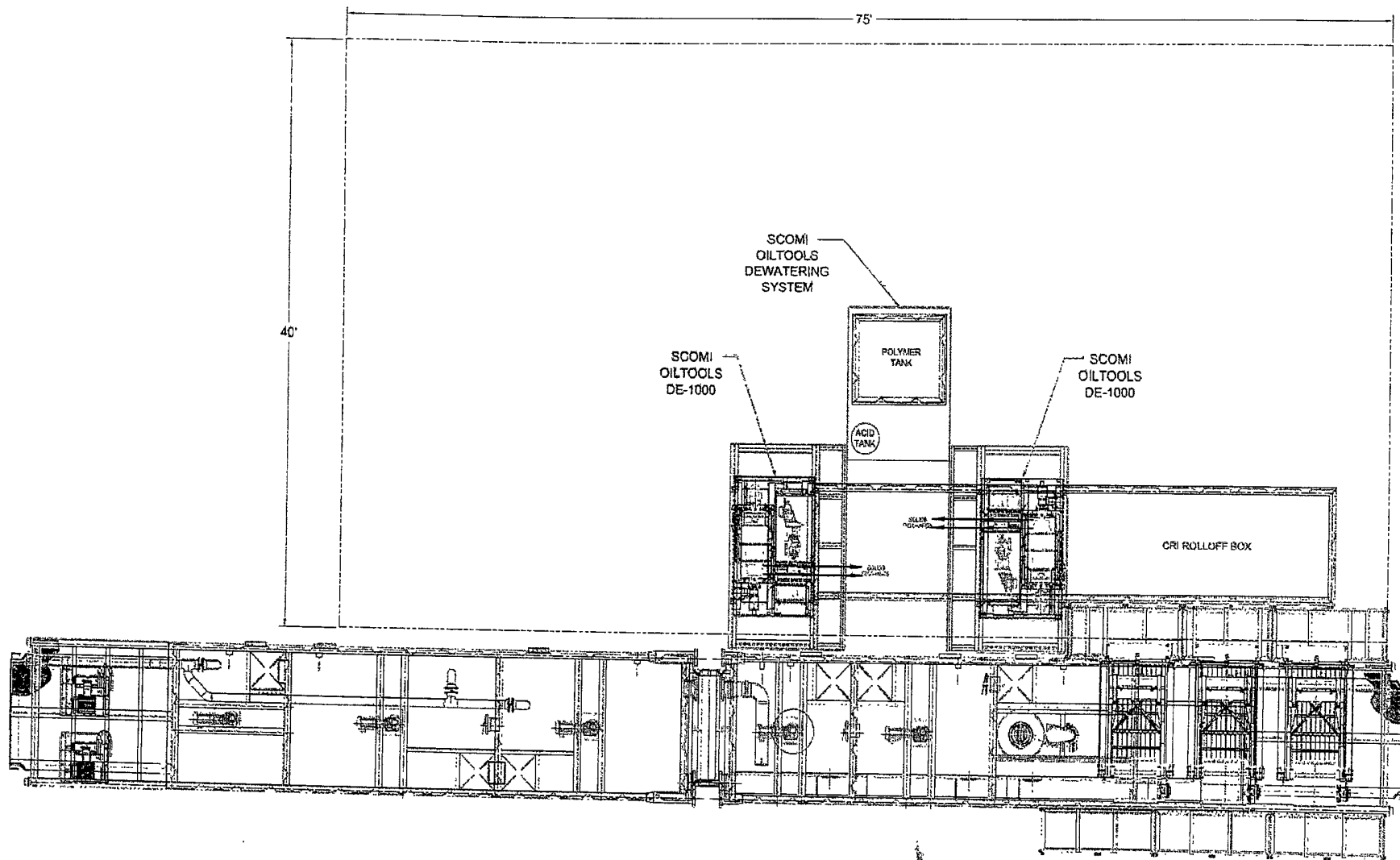
Level Area-No Caliche-For Offices and Living Quarters



Clear all brush +
20' off pad to
allow Drk truck
to drive off pad
& maneuver drk
into position

100 R

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
		LENGTH - WEIGHT



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New Mexico Drilling Daily Circulating System Inspection
For Closed Loop Systems

Wellname:		Permit #:		Rig Mobe Date:	
County:				Rig Demobe Date:	

Inspection Date	Time	By Whom	Any drips or leaks from steel tanks, lines or pumps not contained?* Explain.	Has any hazardous waste been disposed of in system?

All circulating systems to be inspected DAILY during drilling operations.

*Any leak of the steel tanks, lines or pumps shall be reported to the NMOCD and repaired within 48 hours.