

E-PERMITTING - New Well *dn*
Comp _____ P&A _____ TA _____
CSNG _____ Loc Chng _____
ReComp _____ Add New Well _____
Cancel Well _____ Create Pool _____

HOBBS OCD
JUN 03 2015

ATS 14-027

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

RECEIVED

5. Lease Serial No.
S-NMNM128362 BH-NMNM169373

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
Federal 8 #3H

9. API Well No.
30-015-025-42620

10. Field and Pool, or Exploratory
Livingston Ridge Delaware, East

11. Sec., T. R. M. or Blk. and Survey or Area
S - Sec 17 T22S R32E
BH - Sec 8 T22S R32E

12. County or Parish
Edgy Lca

13. State
NM

1a. Type of work: ☒ DRILL

☐ REENTER

UNORTHODOX
LOCATION

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator OXY USA Inc.

16696

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

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

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

At surface 110 FNL 1830 FWL NENW(C) Sec 17 T22S R32E

At proposed prod. zone 180 FNL 2088 FWL NENW(C) Sec 8 T22S R32E

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

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
S-150'
BH-180'

16. No. of acres in lease
840 ac

17. Spacing Unit dedicated to this well
160 ac

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
S-5162'
BH-1090'

19. Proposed Depth
8640'V 13550'M

20. BLM/BIA Bond No. on file
NMB000862 ESB000226

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3749.2' GR

22. Approximate date work will start*
05/01/2015

23. Estimated duration
35 days

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature

David Stewart

Name (Printed Typed)
David Stewart

Date

7/31/14

Title

Sr. Regulatory Advisor

david_stewart@oxy.com

Approved by (Signature)

Steve Caffey

Name (Printed Typed)

MAY 11 2015

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

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

APPROVAL FOR TWO YEARS

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

(Continued on page 2)

NM OIL CONSERVATION
ARTESIA DISTRICT

*(Instructions on page 2)

Carlsbad Controlled Water Basin

MAY 18 2015

Ka
06/04/2015

RECEIVED

Approval Subject to General Requirements
& Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

JUN 08 2015

OXY USA Inc
Federal 8 #3H
APD Drilling Data

ADD
HOBBS OGD

JUN 03 2015

OPERATOR NAME / NUMBER: OXY USA INC

16696

RECEIVED

LEASE NAME / NUMBER: Federal 8 #3H

Federal Lease No. S-NMNM128362

BH-NMNM069373

STATE: NM

COUNTY: Lea

POOL NAME/NUMBER: Livingston Ridge Delaware, East 39366

SURFACE LOCATION: 110 FNL 1830 FWL NENW(C) Sec 17 T22S R32E

SL: LAT: 32.3984360N LONG: 103.6989385W X: 695805.6 Y: 509246.4 NAD: 27

TOP PERFORATION: 330 FSL 1852 FWL SESW(N) Sec 8 T22S R32E

SL: LAT: 32.3996458N LONG: 103.6988696W X: 695824.3 Y: 509686.6 NAD: 27

BOTTOM PERFORATION: 330 FNL 2081 FWL NENW(C) Sec 8 T22S R32E

SL: LAT: 32.4123478N LONG: 103.6981463W X: 696020.05 Y: 514308.83 NAD: 27

BOTTOM HOLE LOCATION: 180 FNL 2088 FWL NENW(C) Sec 8 T22S R32E

SL: LAT: 32.4127597N LONG: 103.6981228W X: 696026.4 Y: 514458.69 NAD: 27

APPROX GR ELEV: 3749.2'

EST KB ELEV: 3773.2 (24' KB)

1. GEOLOGIC NAME OF SURFACE FORMATION

a. Permian

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS

Formation	TVD - RKB	Expected Fluids
T. Rustler	1014	--
T. Salt	1327	--
B. Salt/Anhydrite	4657	--
T. Delaware/Lamar	4754	--
T. Bell Canyon	4855	Form. Water
T. Cherry Canyon	5960	Oil/Gas
T. Brushy Canyon	6907	Oil/Gas
Target Brushy Canyon	8640	Oil/Gas
T. Bone Spring	8694	Oil/Gas

Fresh water may be present above the Rustler. Potential fresh water zones will be protected by the surface casing.

LATERAL GREATEST PROJECTED TD: 13550' MD / 8640' TVD

OBJECTIVE: Delaware-Brushy Canyon

3. CASING PROGRAM (ALL NEW CASING)

New Surface Casing ran in a 14.75" hole filled with 8.50 ppg mud

Hole Size (in)	Interval (ft)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Tension (klb)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
14.75	0-1030	11.75	47	J55	BTC	11	737	3070	1510	1.43	3.31	5.15

see COA

APD-2

New Intermediate Casing ran in a 10.625" hole filled with 10.2 ppg mud

Hole Size (in)	Interval (ft)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Tension (klb)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
10.625	0-4850	8.625	32	J55	LTC	7.921*	417	3928	2533	1.43	3.85	1.75

4770

New Production Casing ran in a 7.875" hole filled with 9.2 ppg mud

Hole Size (in)	Interval (ft)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Tension (klb)	Burst (psi)	Collapse (psi)	Burst SF	Coll SF	Ten SF
7.875	0-13550	5.500	17	L80	BTC	4.892	397	7740	6290	1.22	1.52	1.62

*SPECIAL DRIFT TO 7.875"

Casing Design Assumptions:

Burst Loads

CSG Test (Surface)

- Internal: Displacement fluid + 70% CSG Burst rating
- External: Pore Pressure from section TD to surface

CSG Test (Intermediate)

- Internal: Displacement fluid + 70% CSG Burst rating
- External: Pore Pressure from the Intermediate hole TD to Surface CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

CSG Test (Production)

- Internal: Displacement fluid + 80% CSG Burst rating
- External: Pore Pressure from the well TD the Intermediate CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Gas Kick (Surface/Intermediate)

- Internal: Gas Kick based on Pore Pressure or Fracture Gradient @ CSG shoe with a gas 0.115psi/ft Gas gradient to surface while drilling the next hole section (e.g. Gas Kick while drilling the production hole section is a burst load used to design the intermediate CSG)
- External: Pore Pressure from section TD to previous CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Stimulation (Production)

- Internal: Displacement fluid + Max Frac treating pressure (not to exceed 80% CSG Burst rating)
- External: Pore Pressure from the well TD to the Intermediate CSG shoe and 8.5 ppg MWE to surface

Collapse Loads

Lost Circulation (Surface/Intermediate)

- Internal: Losses experienced while drilling the next hole section (e.g. losses while drilling the production hole section are used as a collapse load to design the intermediate CSG). After losses there will be a column of mud inside the CSG with an equivalent weight to the Pore Pressure of the lost circulation zone
- External: MW of the drilling mud that was in the hole when the CSG was run

Cementing (Surface/Intermediate/Production)

- Internal: Displacement Fluid
- External: Cement Slurries to TOC, MW to surface

Full Evacuation (Production)

- Internal: Atmospheric Pressure
- External: MW of the drilling mud that was in the hole when the CSG was run

Tension Loads

Running CSG (Surface/Intermediate/Production)

- Axial load of the buoyant weight of the string plus either 100 klb over-pull or string weight in air, whichever is less

Green Cement (Surface/Intermediate/Production)

- Axial load of the buoyant weight of the string plus the cement plug bump pressure (Final displacement pressure + 500 psi)

Burst, Collapse and Tensile SF are calculated using Landmark's Stress Check (Casing Design) software.

4. CEMENT PROGRAM:**Surface Interval**

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' - 732' (150% Excess)	460	732'	Premium Plus cement with Premium Plus, 4% Bentonite (Light Weight Additive), 1% Calcium Chloride (Accelerator), 0.25lb/sk Poly-E-Flake (Lost Circulation Additive.)	9.14	13.50	1.73	888 psi
Tail: 732' - 1030' (150% Excess)	270	298'	Premium Plus cement with 1% Calcium Chloride (Accelerator)	6.34	14.80	1.34	1416 psi

Intermediate Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' - 4160' (165% Excess)	1160	4160	Halliburton Light Premium Plus Cement with 5% Salt (Accelerator), 0.4% HR-800 (Retarder)	9.84	12.9	1.85	771
Tail: 4160' - 4850' ^{4770'} 4160' - 4850' (165% Excess)	300	690	Premium Plus cement	6.34	14.8	1.33	1779

Production Casing

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft ³ /sk	24 Hr Comp
Lead: 0' - 7900' (100% Excess)	580	7900	TUNED LIGHT (TM) SYSTEM 3 lbm/sk Kol-Seal (Light Circulation Additive), 0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive), 0.80% HR-601 (Retarder)	16.16	9.76	3.46	788
Tail: 7900' - 13550' (40% Excess)	840	5450	Super H Cement, 0.5% Halad(R)-344 (Low Fluid Loss Control), 0.3% CFR-3 (Dispersant), 3 lbm/sk Salt (Accelerator), 0.1% HR-800 (Retarder), 2 lbm/sk Kol-Seal (Lost Circulation Additive)	8.45	13.2	1.65	701

DV TOOL SET AT 4950'

See con
DV Tool will be used for contingency. If returns are not lost during primary cementing operation, DV cancellation plug will be run and 2nd stage cancelled. Contingency recipe for 2nd stage as follows:

Stage 2 Lead: 0' - 4350' (10% Excess)	420	4350	Halliburton Light Premium Plus cement with 3 lbm/sk Salt (Accelerator)	11.39	12.4	2.05	450 (500 psi in 29 hrs)
Stage 2 Tail: 4350' - 4950' (50% Excess)	100	600	Premium Plus Cement	6.34	14.8	1.33	1849

The volumes indicated above may be revised depending on caliper measurement.

5. DIRECTIONAL PLAN

Please see attached directional plan

6. PRESSURE CONTROL EQUIPMENT

Surface: 0' - 1030' None.

Intermediate and Production: ~~4850'~~ ^{4770'} MD/TVD - 13550' MD / 8640' TVD. Intermediate and Production hole will be drilled with a 13-5/8" 5M three ram stack with a 5M annular preventer and a 5M Choke Manifold.

- See COA*
- 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 psi for 10 minutes for annular preventer, equal to 70% of working pressure) with a third party BOP testing service before drilling out the surface casing shoe. A Multibowl wellhead system will be used in this well therefore the BOPE test will cover the test requirements for the Intermediate and Production sections.
 - The Surface and Intermediate casings strings will be tested to 70% of their burst rating for 30 minutes. This will also test the seals of the lock down pins that hold the pack-off in place in the Multibowl wellhead system.
 - Pipe rams will be function tested every 24 hours and blind rams will be tested 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.
 - The BOPE test will be repeated within 21 days of the original test, on the first trip, if drilling the intermediate or production section takes more time than planned.
 - Other accessory BOP equipment will include a floor safety valve, choke lines, and choke manifold having a 5000 psi working pressure rating and tested to 5000 psi.
 - The Operator also requests a variance to connect the BOP choke outlet to the choke manifold using a co-flex hose manufactured by Contitech Rubber Industrial KFT. It is a 3" ID x 35' flexible hose with a 10,000 psi working pressure. It has been tested to 15,000 psi and is built to API Spec 16C. Once the flex line is installed it will be tied down with safety clamps (certifications attached).
 - BOP & Choke manifold diagrams attached.
- See COA*

7. MUD PROGRAM:

See COA

Depth	Mud Wt ppg	Vis Sec	Fluid Loss	Type System
0' - 1030' <i>4770'</i>	8.5	28 - 38	NC	Fresh Water / Spud Mud
1030' - 4850'	10.2	28 - 32	NC	NaCl Brine
4850' - 7900'	9.0	28 - 32	NC	Cut Brine / Sweeps
7900' - 13550'	9.0-9.2	30 - 40	< 20	Cut Brine/Starch

Remarks: 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. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

8. CLOSED LOOP SYSTEM

A closed loop system will be utilized, consisting of above ground steel tanks and haul-off bins. Liquids, drilling fluids and cuttings will be disposed of at an approved facility.

9. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT

- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor unobstructed and readily accessible 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.**

See COA

10. POTENTIAL HAZARDS

- See COA*
- a. H2S detection equipment will be in operation after drilling out the surface casing shoe until the production casing has been cemented. Breathing equipment will be on location from drilling out the surface shoe until production casing is cemented. If H2S is encountered the operator will comply with Onshore Order #6 and report to BLM.
 - b. No abnormal temperatures or pressures are anticipated. The highest anticipated pressure gradient is **0.46 psi/ft**. Maximum anticipated bottom hole pressure is **between 3900 and 4000 psi**.
 - c. 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.

11. 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 35 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.

12. WIRELINE LOGGING / MUD LOGGING / LWD

- a. Wireline logging: None
- b. Mud loggers to be rigged up from intermediate casing shoe to TD
- c. Acquire GR while drilling, from KOP to TD

COMPANY PERSONNEL:

<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Mobile Phone</u>
Linsay Earle	Drilling Engineer	(713)350-4921	(832) 596-5507
Sebastian Millan	Drilling Engineer Supervisor	(713)350-4950	(832) 528-3268
Roger Allen	Drilling Superintendent	(713)215-7617	(281) 682-3919
Oscar Quintero	Drilling Manager	(713)985-6343	(713) 689-4946

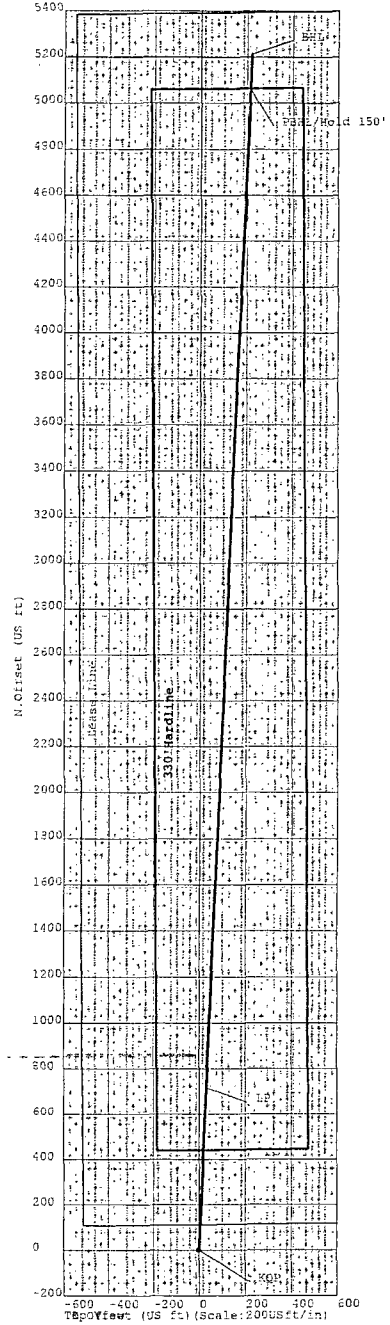
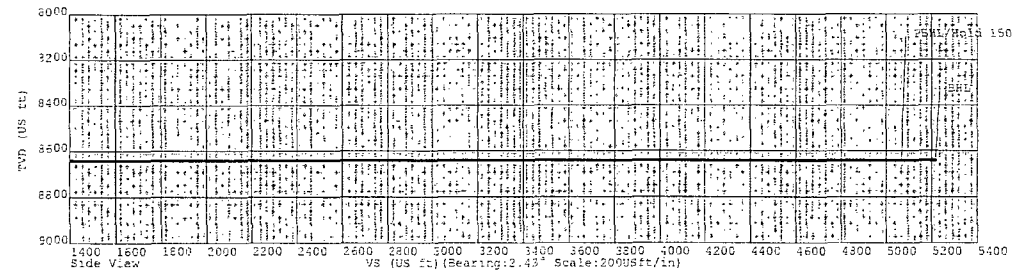
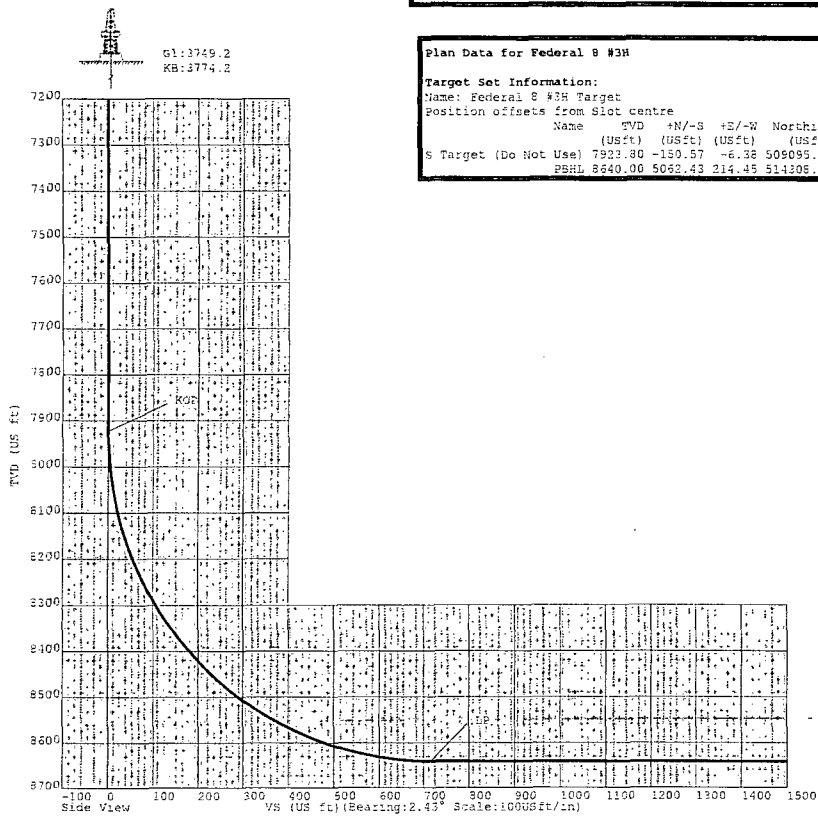


Federal 8 #3H
Lea Co., New Mexico

Plan Data for Federal 8 #3H
Site: Federal 8 #3H
Unit: USFeet
Company Name: OXY USA
Position: Northing: 509246.40USft Latitude: 32.398426°
Easting: 695805.60USft Longitude: -103.698935°
North Reference: Grid Grid Convergence: 0.34°
Elevation Above VSD: 3749.20USft

Plan Data for Federal 8 #3H
Plan Point Information:
Dogleg Severity Unit: °/100.00ft
Position offsets from Slot centre
MD Inc Az TVD +N/-S +E/-W Lat Long VSec DLS
(USft) (°) (°) (USft) (USft) (USft) (°) (USft) (DLSU)
0.00 0.00 0.00 0.00 0.00 0.00 32.398426 -103.698935 0.00 0.00
7923.80 0.00 0.00 7923.80 0.00 0.00 32.398426 -103.698935 0.00 0.00
9649.80 50.00 2.43 8640.00 715.56 30.31 32.400402 -103.698627 715.20 8.00
13359.57 90.00 2.43 8640.00 5062.43 214.45 32.412345 -103.698146 5066.97 0.00
13549.57 90.00 2.43 8640.00 5212.29 220.80 32.412760 -103.698123 5216.97 0.00

Plan Data for Federal 8 #3H
Target Set Information:
Name: Federal 8 #3H Target
Position offsets from Slot centre
Name TVD +N/-S +E/-W Northing Easting Shape Comment
(USft) (USft) (USft) (USft) (USft)
S Target (Do Not Use) 7923.80 -150.57 -6.38 509095.83 695799.22 Cuboid
PSHL 8640.00 5062.43 214.45 514305.63 696020.05 Cuboid



Sign Off: Patrick Rudolph

Federal 8 #3H

Field Name Lea Co. (NAD27 / NME)	Map Units : US ft		Company Name : OXY USA	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
Comment :				
Site Name Federal 8 #3H	Units : US ft	North Reference : Grid	Convergence Angle : 0.34	
	Position	Northing : 509246.40 US ft	Latitude : 32° 23' 54.37"	
		Easting : 695805.60 US ft	Longitude : -103° 41' 56.18"	
Elevation above Mean Sea Level: 3749.20 US ft				
Comment :				
Slot Name Federal 8 #3H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 509246.40 US ft	Latitude : 32° 23' 54.37"	
	+E / -W : 0.00 US ft	Easting : 695805.60 US ft	Longitude : -103° 41' 56.18"	
Slot TVD Reference : Ground Elevation				
Elevation above Mean Sea Level : 3749.20 US ft				
Comment :				
Well Name Federal 8 #3H	Type : Main well	UWI :	Plan : P1:V3	
	Rig Height <i>Kelly Bushing</i> : 25.00 US ft	Comment :		
	Relative to Mean Sea Level: 3774.20 US ft			
Closure Distance : 5216.97 US ft		Closure Azimuth : 2.42564°		
Vertical Section (Position of Origin Relative to Slot)				
+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az : 2.43°	
Magnetic Parameters				
Model : BGGM	Field Strength : 48372.5nT	Dec : 7.43°	Dip : 60.24°	Date : 01/Sep/2014

Target Set

Name : Federal 8 #3H Target Number of Targets : 2

Comment :

Target Name S-Target (Do Not Use) Shape: Cuboid	Position (Relative to Slot centre)			
	+N / -S : -150.57 US ft	Northing : 509095.83 US ft	Latitude : 32° 23' 52.88"	
	+E / -W : -6.38 US ft	Easting : 695799.22 US ft	Longitude : -103° 41' 56.26"	
TVD (Kelly Bushing) : 7923.80 US ft				
Orientation Azimuth : 0.00°		Inclination : 0.00°		
Dimensions Length : 0.00 US ft	Breadth : 0.00 US ft	Height : 0.00 US ft		

5D Plan Report

Target Name:	Position (Relative to Slot centre)		
PBHL	+N / -S : 5062.43US ft	Northing : 514308.83 US ft	Latitude : 32°24'44.45"
Shape:	+E / -W : 214.45 US ft	Easting : 696020.05US ft	Longitude : 103°41'53.33"
Cuboid	TVD (Kelly Bushing) : 8640.00 US ft		
	Orientation Azimuth : 0.00°	Inclination : 0.00°	
	Dimensions Length : 0.00 US ft	Breadth : 0.00 US ft	Height : 0.00 US ft

Well path created using minimum curvature

Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	VS (US ft)	B. Rate (°/100 US ft)	T. Rate (°/100 US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7923.80	0.00	0.00	7923.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9048.80	90.00	2.43	8640.00	715.56	30.31	8.00	716.20	8.00	0.00	2.43	LP
13399.57	90.00	2.43	8640.00	5062.43	214.45	0.00	5066.97	0.00	0.00	0.00	PBHL/Hold 150'
13549.57	90.00	2.43	8640.00	5212.29	220.80	0.00	5216.97	0.00	0.00	0.00	BHL

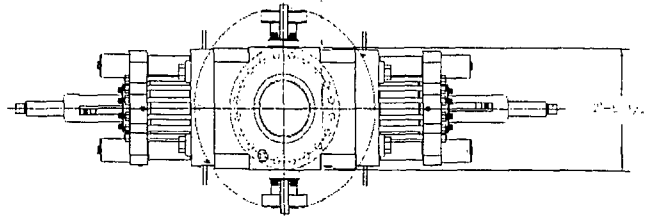
Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	

5D Plan Report

Interpolated Points (Relative to Slot centre TVD relative to Kelly Bushing)											
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US-ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	T. Face (°)	Comment
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	
7923.80	0.00	0.00	7923.80	0.00	0.00	0.00	0.00	509246.40	695805.60	0.00	KOP
8000.00	6.10	2.43	7999.86	4.05	0.17	4.05	8.00	509250.45	695805.77	2.43	
8100.00	14.10	2.43	8098.23	21.55	0.91	21.57	8.00	509267.95	695806.51	0.00	
8200.00	22.10	2.43	8193.20	52.55	2.23	52.60	8.00	509298.95	695807.83	0.00	
8300.00	30.10	2.43	8282.94	96.47	4.09	96.55	8.00	509342.87	695809.69	0.00	
8400.00	38.10	2.43	8365.68	152.43	6.46	152.57	8.00	509398.83	695812.06	0.00	
8500.00	46.10	2.43	8439.82	219.35	9.29	219.55	8.00	509465.75	695814.89	0.00	
8600.00	54.10	2.43	8503.92	295.93	12.54	296.20	8.00	509542.33	695818.14	0.00	
8700.00	62.10	2.43	8556.73	380.68	16.13	381.02	8.00	509627.08	695821.73	0.00	
8800.00	70.10	2.43	8597.22	471.95	19.99	472.37	8.00	509718.35	695825.59	0.00	
8900.00	78.10	2.43	8624.60	567.96	24.06	568.46	8.00	509814.36	695829.66	0.00	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US-ft)	Inc (°)	Az (°)	TVD (US-ft)	N. Offset (US-ft)	E. Offset (US-ft)	VS (US-ft)	DLS (°/100 US-ft)	Northing (US-ft)	Easting (US-ft)	T. Face (°)	Comment
9000.00	86.10	2.43	8638.34	666.84	28.25	667.43	8.00	509913.24	695833.85	0.00	
9048.80	90.00	2.43	8640.00	715.56	30.31	716.20	8.00	509961.96	695835.91	0.00	LP
9100.00	90.00	2.43	8640.00	766.71	32.48	767.40	0.00	510013.11	695838.08	0.00	
9200.00	90.00	2.43	8640.00	866.62	36.71	867.40	0.00	510113.02	695842.31	0.00	
9300.00	90.00	2.43	8640.00	966.53	40.94	967.40	0.00	510212.93	695846.54	0.00	
9400.00	90.00	2.43	8640.00	1066.44	45.18	1067.40	0.00	510312.84	695850.78	0.00	
9500.00	90.00	2.43	8640.00	1166.35	49.41	1167.40	0.00	510412.75	695855.01	0.00	
9600.00	90.00	2.43	8640.00	1266.26	53.64	1267.40	0.00	510512.66	695859.24	0.00	
9700.00	90.00	2.43	8640.00	1366.17	57.87	1367.40	0.00	510612.57	695863.47	0.00	
9800.00	90.00	2.43	8640.00	1466.08	62.10	1467.40	0.00	510712.48	695867.70	0.00	
9900.00	90.00	2.43	8640.00	1565.99	66.34	1567.40	0.00	510812.39	695871.94	0.00	
10000.00	90.00	2.43	8640.00	1665.90	70.57	1667.40	0.00	510912.30	695876.17	0.00	
10100.00	90.00	2.43	8640.00	1765.81	74.80	1767.40	0.00	511012.21	695880.40	0.00	
10200.00	90.00	2.43	8640.00	1865.72	79.03	1867.40	0.00	511112.12	695884.63	0.00	
10300.00	90.00	2.43	8640.00	1965.63	83.27	1967.40	0.00	511212.03	695888.87	0.00	
10400.00	90.00	2.43	8640.00	2065.54	87.50	2067.40	0.00	511311.94	695893.10	0.00	
10500.00	90.00	2.43	8640.00	2165.45	91.73	2167.40	0.00	511411.85	695897.33	0.00	
10600.00	90.00	2.43	8640.00	2265.36	95.96	2267.40	0.00	511511.76	695901.56	0.00	
10700.00	90.00	2.43	8640.00	2365.28	100.19	2367.40	0.00	511611.68	695905.79	0.00	
10800.00	90.00	2.43	8640.00	2465.19	104.43	2467.40	0.00	511711.59	695910.03	0.00	
10900.00	90.00	2.43	8640.00	2565.10	108.66	2567.40	0.00	511811.50	695914.26	0.00	
11000.00	90.00	2.43	8640.00	2665.01	112.89	2667.40	0.00	511911.41	695918.49	0.00	
11100.00	90.00	2.43	8640.00	2764.92	117.12	2767.40	0.00	512011.32	695922.72	0.00	
11200.00	90.00	2.43	8640.00	2864.83	121.36	2867.40	0.00	512111.23	695926.96	0.00	
11300.00	90.00	2.43	8640.00	2964.74	125.59	2967.40	0.00	512211.14	695931.19	0.00	
11400.00	90.00	2.43	8640.00	3064.65	129.82	3067.40	0.00	512311.05	695935.42	0.00	
11500.00	90.00	2.43	8640.00	3164.56	134.05	3167.40	0.00	512410.96	695939.65	0.00	
11600.00	90.00	2.43	8640.00	3264.47	138.29	3267.40	0.00	512510.87	695943.89	0.00	
11700.00	90.00	2.43	8640.00	3364.38	142.52	3367.40	0.00	512610.78	695948.12	0.00	
11800.00	90.00	2.43	8640.00	3464.29	146.75	3467.40	0.00	512710.69	695952.35	0.00	
11900.00	90.00	2.43	8640.00	3564.20	150.98	3567.40	0.00	512810.60	695956.58	0.00	
12000.00	90.00	2.43	8640.00	3664.11	155.21	3667.40	0.00	512910.51	695960.81	0.00	
12100.00	90.00	2.43	8640.00	3764.02	159.45	3767.40	0.00	513010.42	695965.05	0.00	
12200.00	90.00	2.43	8640.00	3863.93	163.68	3867.40	0.00	513110.33	695969.28	0.00	
12300.00	90.00	2.43	8640.00	3963.84	167.91	3967.40	0.00	513210.24	695973.51	0.00	
12400.00	90.00	2.43	8640.00	4063.75	172.14	4067.40	0.00	513310.15	695977.74	0.00	
12500.00	90.00	2.43	8640.00	4163.66	176.38	4167.40	0.00	513410.06	695981.98	0.00	
12600.00	90.00	2.43	8640.00	4263.57	180.61	4267.40	0.00	513509.97	695986.21	0.00	
12700.00	90.00	2.43	8640.00	4363.48	184.84	4367.40	0.00	513609.88	695990.44	0.00	
12800.00	90.00	2.43	8640.00	4463.39	189.07	4467.40	0.00	513709.79	695994.67	0.00	
12900.00	90.00	2.43	8640.00	4563.30	193.31	4567.40	0.00	513809.70	695998.91	0.00	
13000.00	90.00	2.43	8640.00	4663.21	197.54	4667.40	0.00	513909.61	696003.14	0.00	
13100.00	90.00	2.43	8640.00	4763.12	201.77	4767.40	0.00	514009.52	696007.37	0.00	
13200.00	90.00	2.43	8640.00	4863.04	206.00	4867.40	0.00	514109.44	696011.60	0.00	
13300.00	90.00	2.43	8640.00	4962.95	210.23	4967.40	0.00	514209.35	696015.83	0.00	
13399.57	90.00	2.43	8640.00	5062.43	214.45	5066.97	0.00	514308.83	696020.05	0.00	PBHL/Hold 150'
13400.00	90.00	2.43	8640.00	5062.86	214.47	5067.40	0.00	514309.26	696020.07	0.00	
13500.00	90.00	2.43	8640.00	5162.77	218.70	5167.40	0.00	514409.17	696024.30	0.00	
13549.57	90.00	2.43	8640.00	5212.29	220.80	5216.97	0.00	514458.69	696026.40	0.00	BHL



1. 1 1/2" - 10M FLANGED END DATE VALVE
 2. 1 1/2" - 10M FLANGED END DATE VALVE WITH DOUBLE ACTING HYDRAULIC ACTUATOR
 3. 1 1/2" - 10M FLANGED END DATE VALVE
 4. 1 1/2" - 10M FLANGED END DATE VALVE
 5. DOUBLE STACKED ADAPTER

SHAFER PATENT-LOWER SPHERICAL
 ANNULAR PREVENTER, 13 5/8" - 10M WPI,
 100" BOTTOM FLANGE, 1" WPI
 STUDDED TOP (WEIGHT = 15,000 LBS.
 LBS. WITH SHAFER 400" HGT.
 OIL RESISTANT ADJUSTABLE
 ELEMENT)

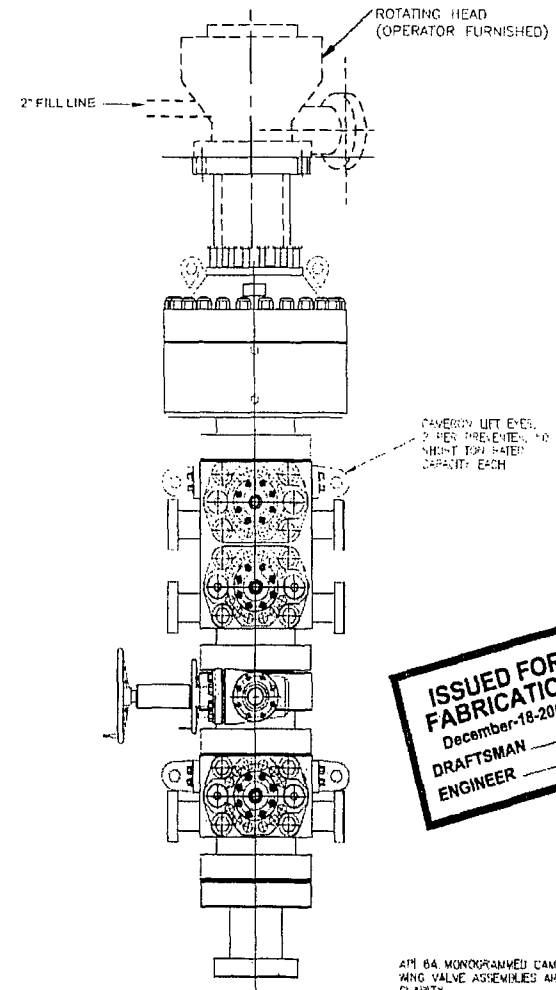
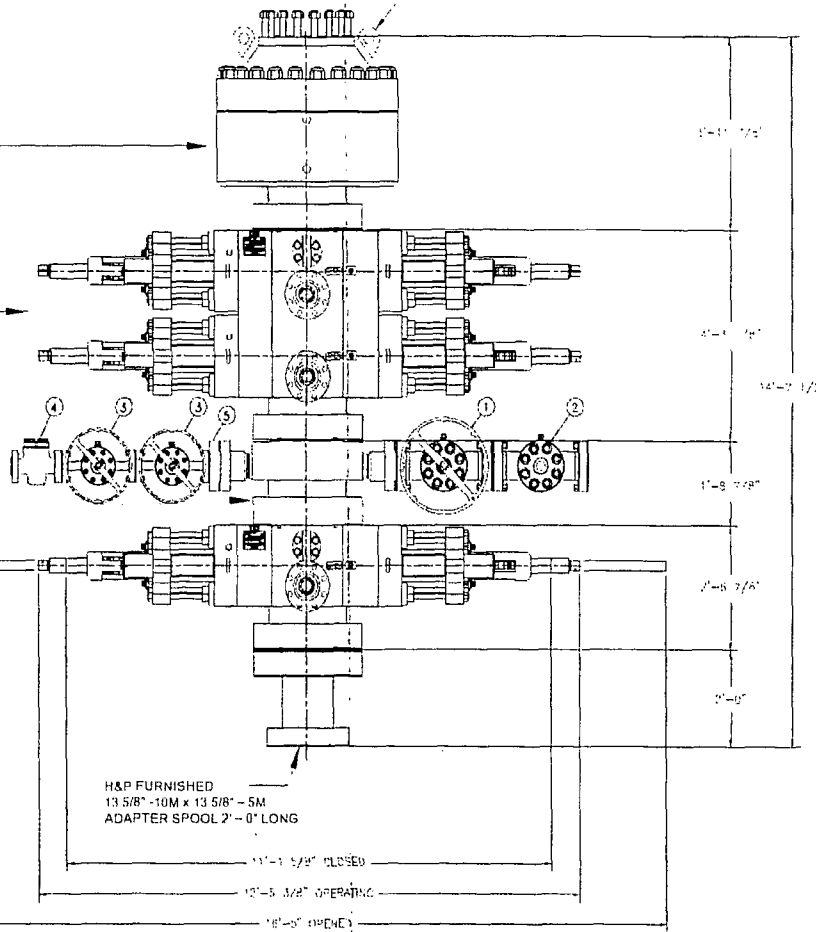
FAVERON LM DOUBLE
 RAM-TYPE PREVENTER (API 16A
 MONOGRAMMED, 13 5/8" - 10M WPI,
 WITH 1" FAVERON FLE
 RAMS (CAMRAM FRONT VALVES
 A TOP SEALS, IN TOP CAPACITY
 AND CAMRAM 2" SHEARING
 HIND RAMS IN BOTTOM CAPACITY
 BOTTOM FLANGE X STUDDED
 TOP (WEIGHT = 21,000 LBS.
 WITH RAMS)

13 5/8" - 10M WPI
 CAMRON DRILLING SPOOL
 (API 16A MONOGRAMMED),
 STUDDED TOP & FLANGED BOTTOM
 WITH 4 1 1/2" - 10M WPI FLANGED OUTLETS
 (WEIGHT APPROXIMATELY 6,000 LBS)

CAMRON 8V SINGLE RAM-TYPE
 PREVENTER (API 16A
 MONOGRAMMED, 13 5/8" - 10M WPI,
 WITH 1" CAMRON PIPE RAMS
 (CAMRAM FRONT VALVES & TOP
 SEALS) BOTTOM FLANGE X
 STUDDED TOP
 WEIGHT = 10,000 LBS

H&P FURNISHED
 13 5/8" - 10M x 13 5/8" - 5M
 ADAPTER SPOOL 2' - 0" LONG

SEE LIFT L DETAIL



ISSUED FOR
 FABRICATION
 December-18-2007
 DRAFTSMAN
 ENGINEER

API 16A MONOGRAMMED CAMRON CHOKER AND KILL
 VALVE ASSEMBLIES ARE NOT SHOWN FOR
 CLARITY

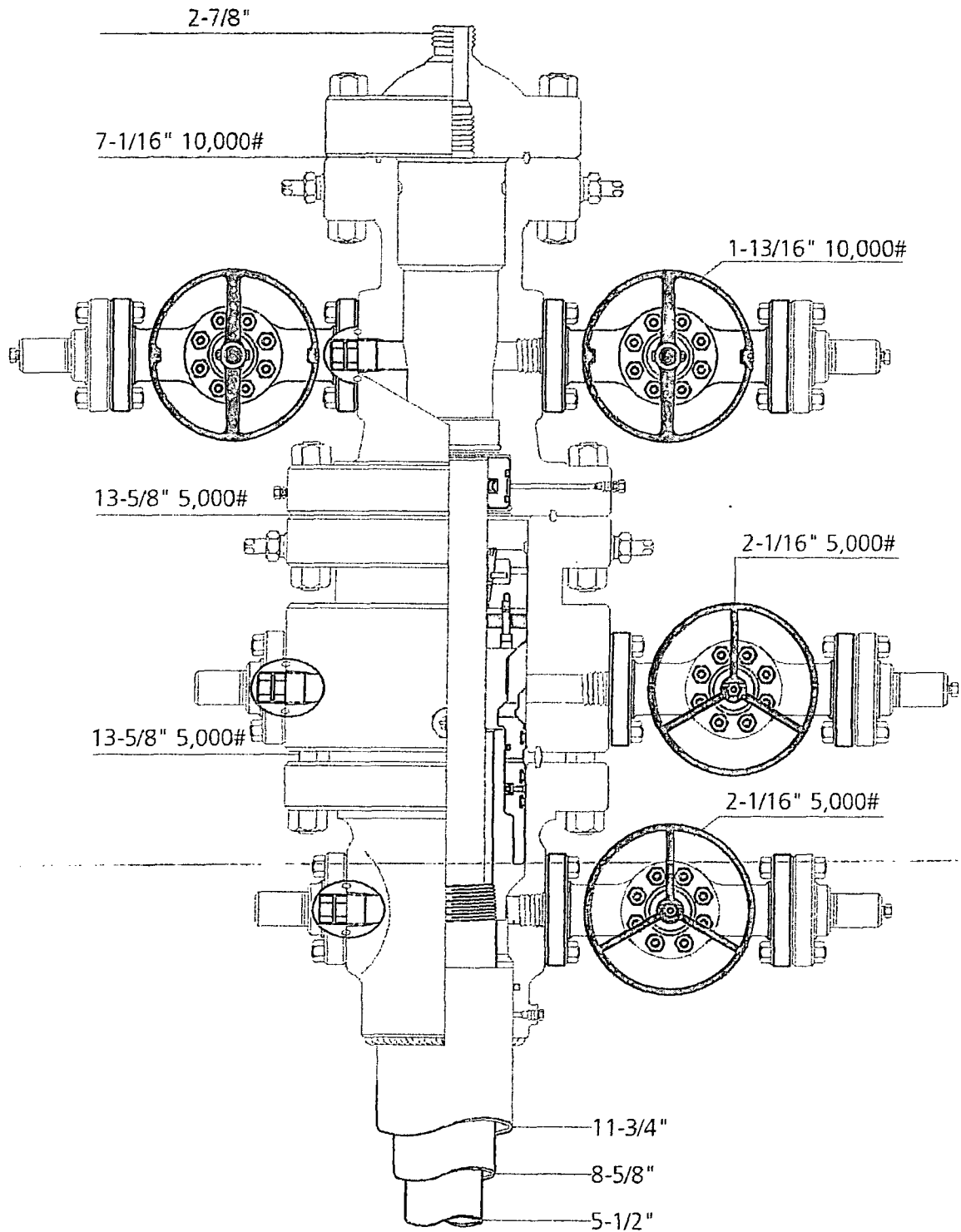
WEIGHTS DO NOT INCLUDE HOSES, ADAPTER SPOOLS
 OR QUICK CONNECT FITTINGS

PROPRIETARY

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 OFFICE OF HELMERICH & PAYNE INTERNATIONAL DRILLING CO.

ENGINEERING APPROVAL		DATE	TITLE
12/18/07	ADDED SHEET 01	JAV	13 5/8" - 10M BOP 3 RAM STACK FLEXRIG3
4-10-07	ADDITIONAL REVISED DOUBLE CHECKED ADAPTER MOVES 1, 2, & 3 AND NO CHECK WERE ADDED	JRG	CUSTOMER: H&P
4-10-07	ADDED TO SPACER ADAPTER SPOOL	JRG	PROJECT: FLEXRIG3
01-07-02	ADDED ADAPTER SPOOL	WHL	THRU: MTS
06-13-02	COMPLETED BOP STACK	WHL	DATE: 6-5-02
REV	DATE	DESCRIPTION	BY
SCALE: 3/4"=1'	SHEET: 1 OF 1	210-P1-07	REV: E

BOP-1

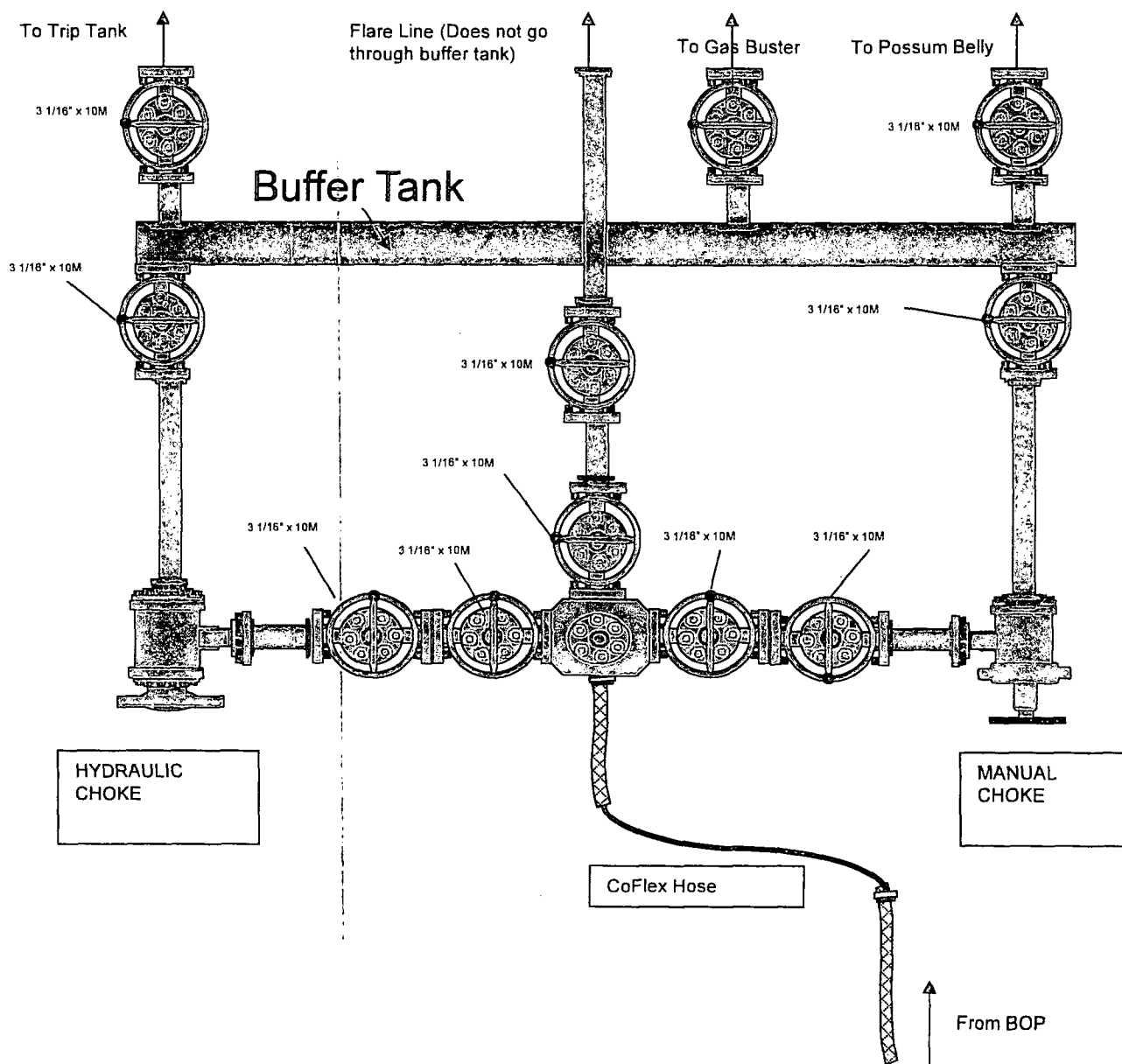


Permian Basin
MBS

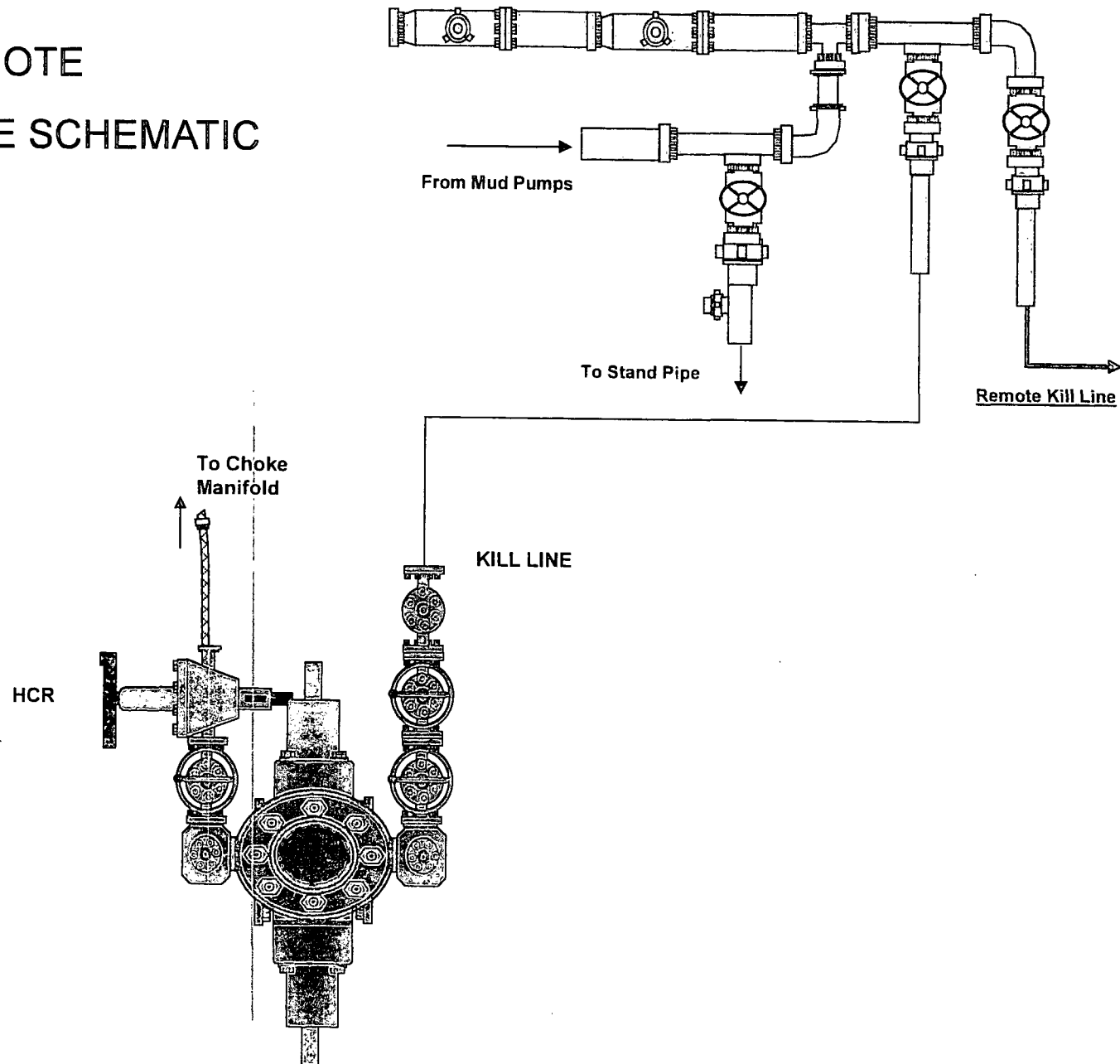


Name: Jeanette	Date: 1-31-13	Working Pressure: #	21073221
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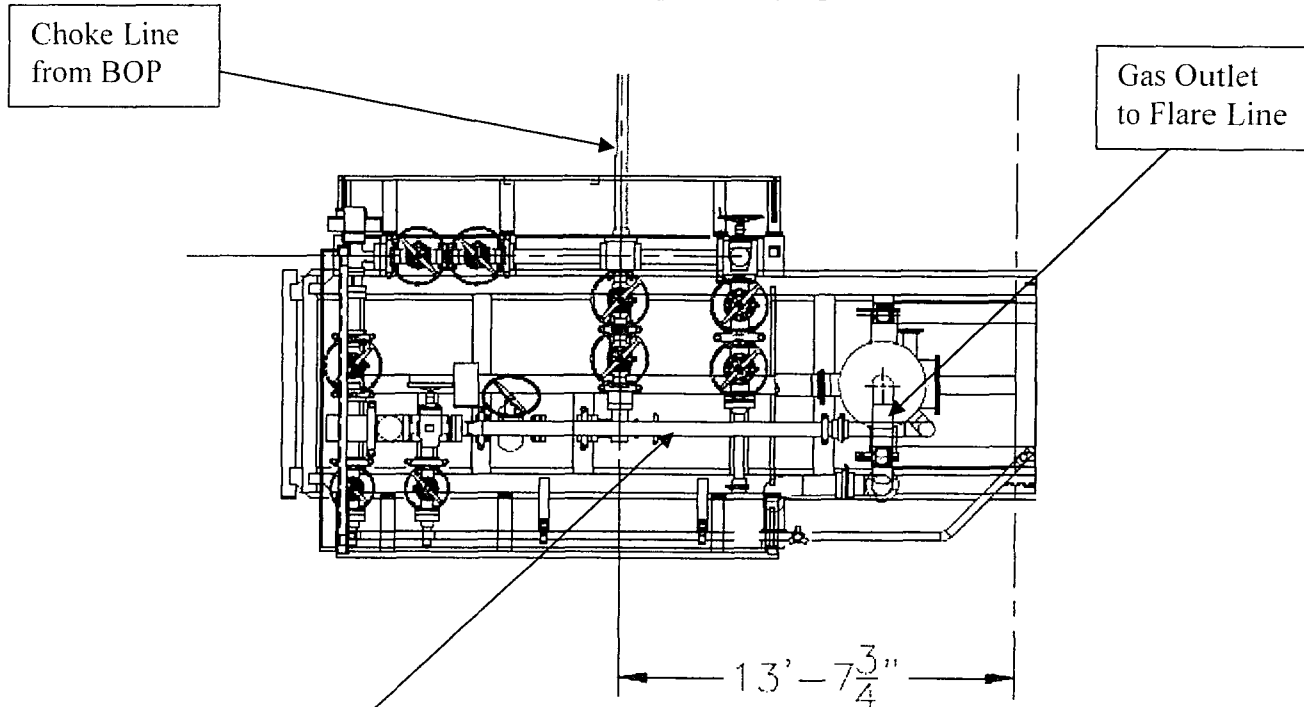
FLEX3 STD CHOKE MANIFOLD (COMPREHENSIVE)



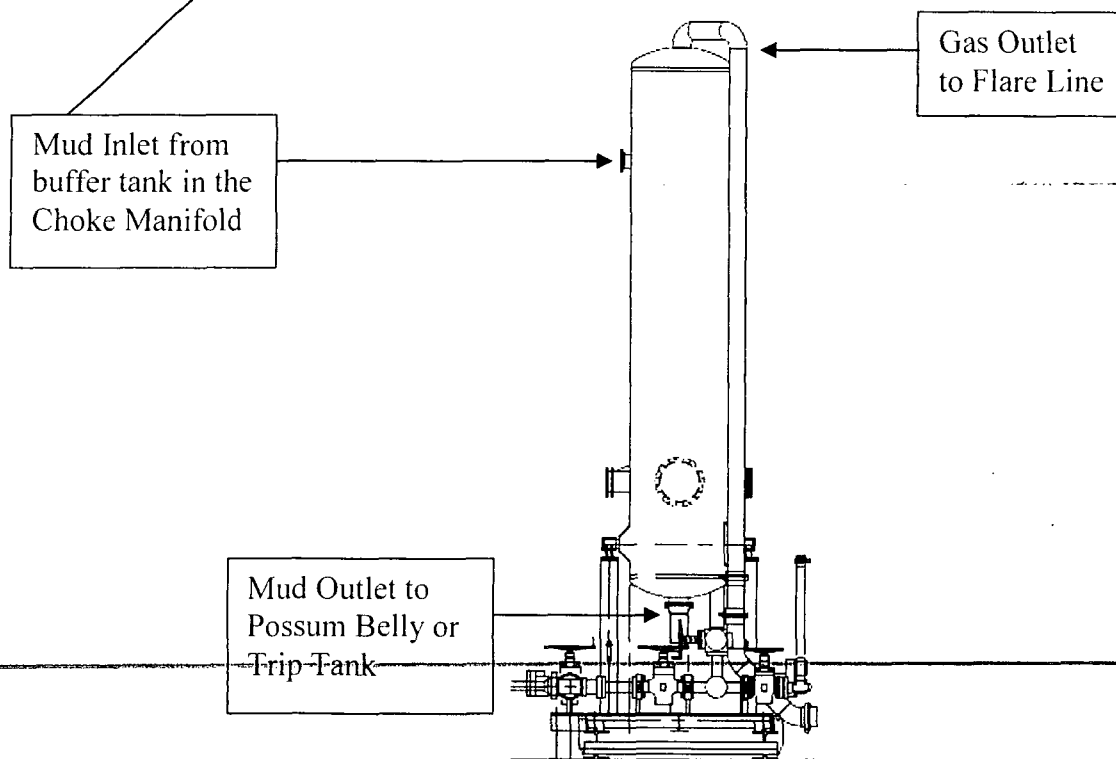
10M REMOTE KILL LINE SCHEMATIC



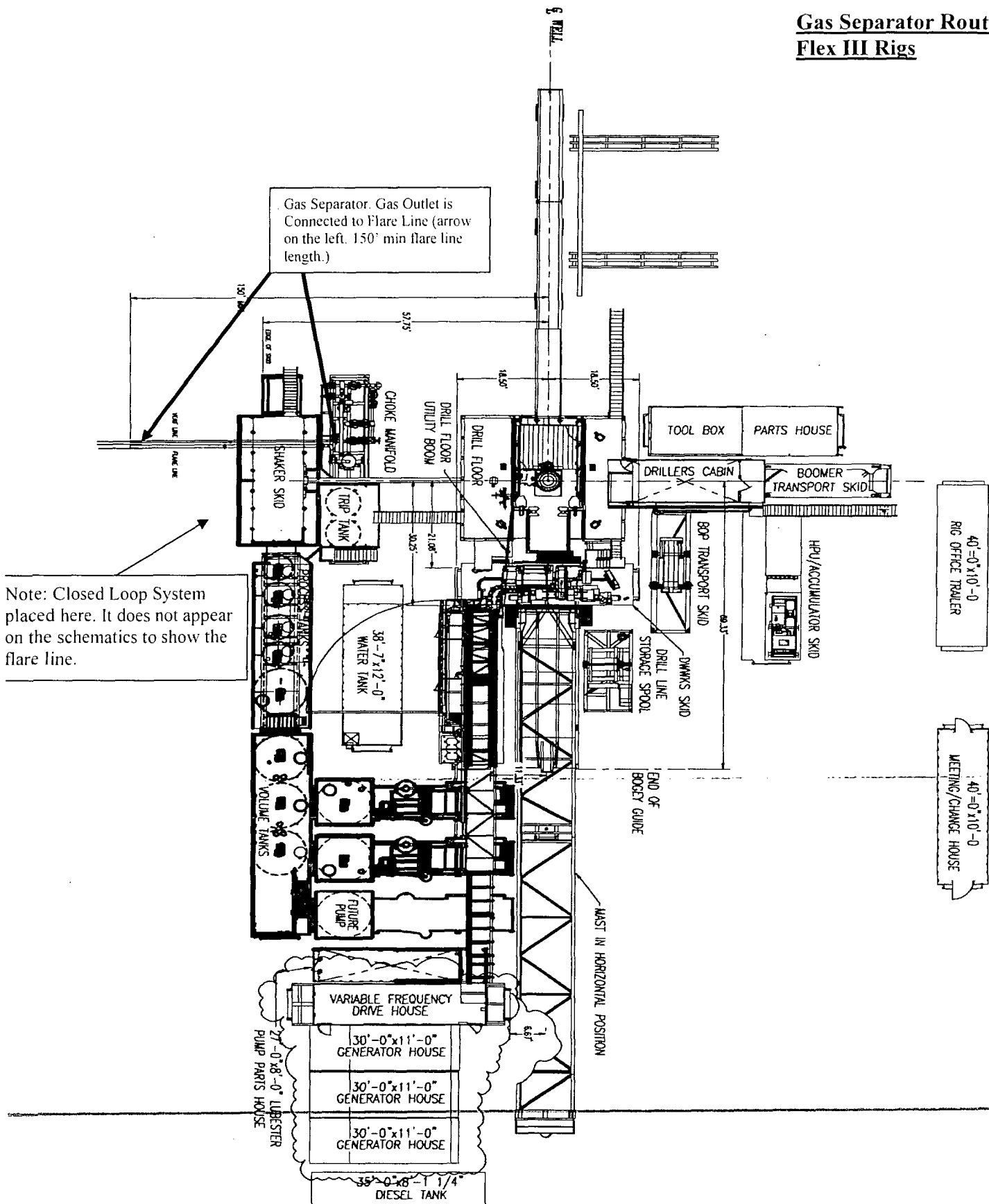
Choke Manifold – Gas Separator (Top View)



Choke Manifold – Gas Separator (Side View)

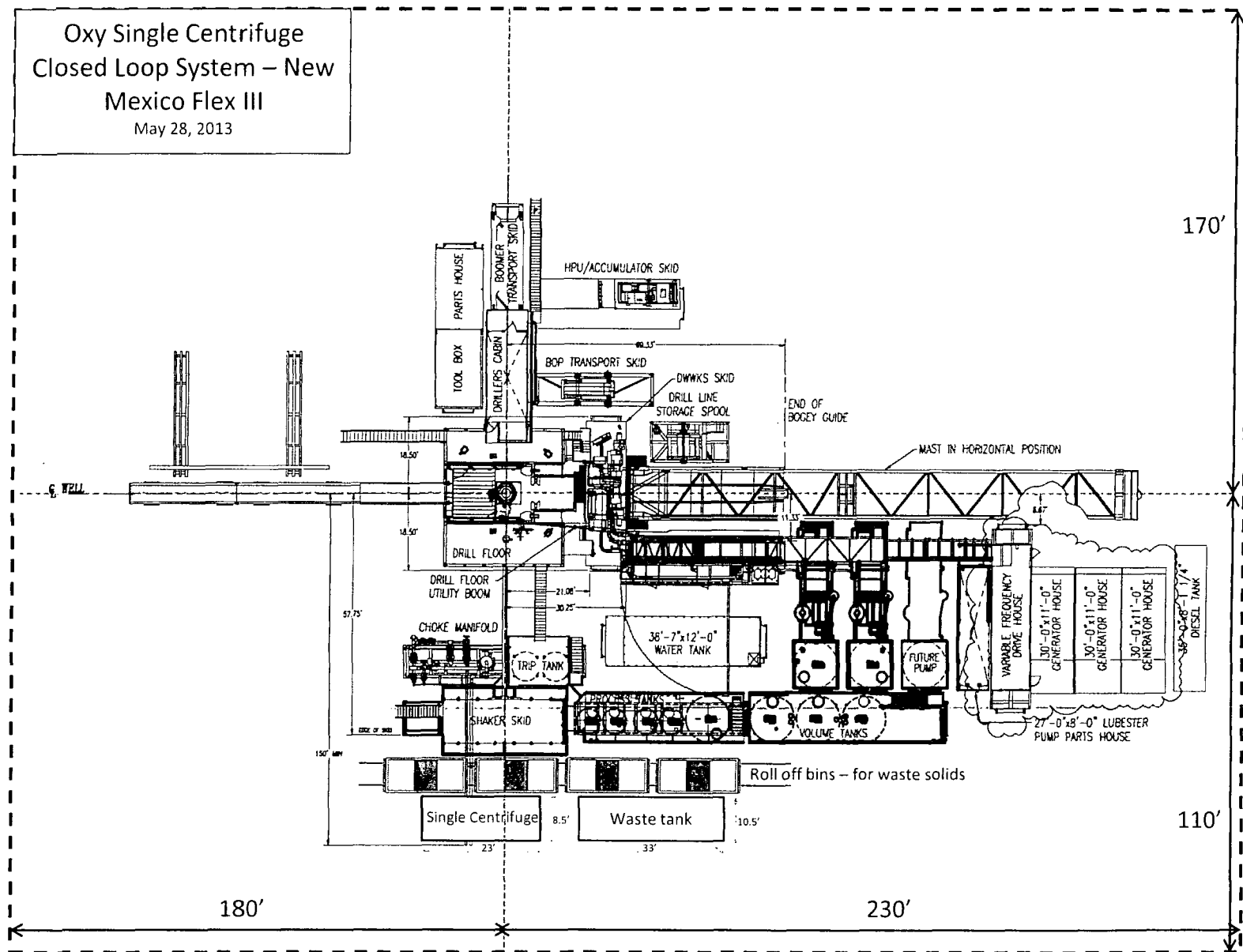


Gas Separator Routing Flex III Rigs

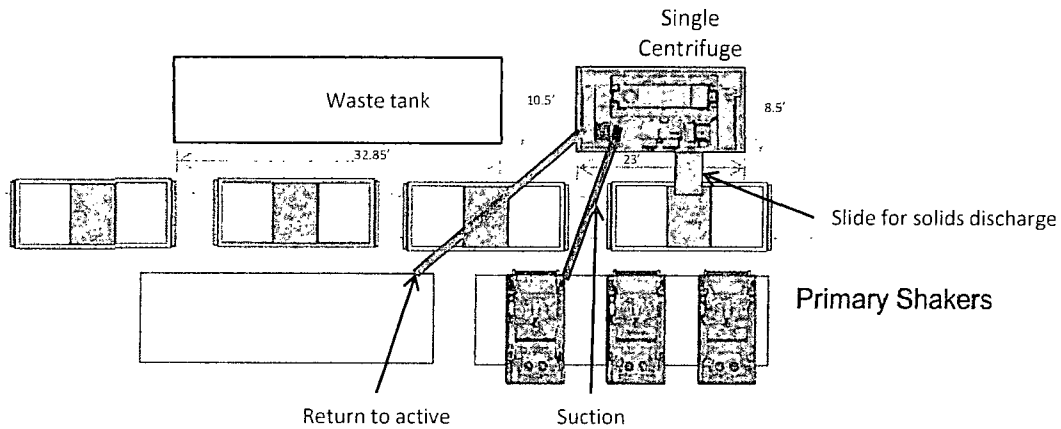


Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III

May 28, 2013



Oxy



Well Head

Oxy Single Centrifuge
Closed Loop System – New
Mexico Flex III
May 28, 2013



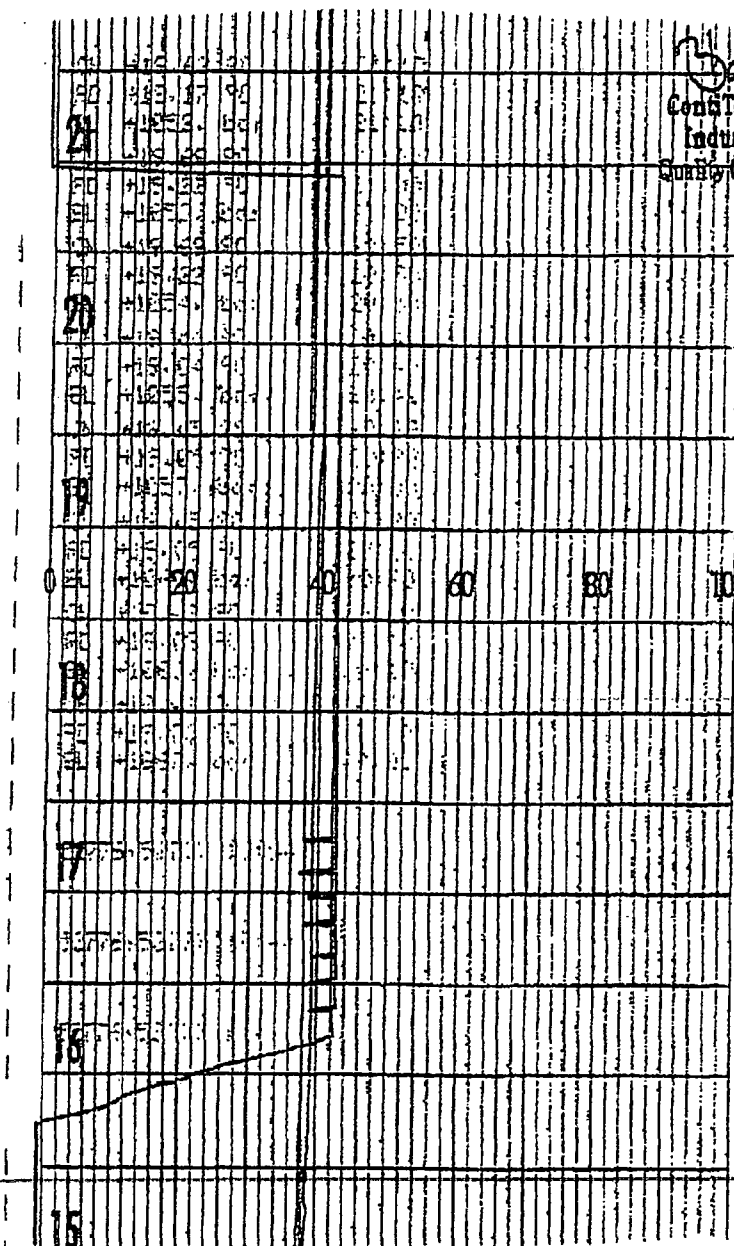
Fluid Technology

Quality Document

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

Page: 1/1



39 cm
ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(2)

FH-3

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 68X Flange End 2: 4.1/16" 10Kpsi API Spec 6A Type 68X 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.



Phoenix Beattie Corp

11535 Brittain 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

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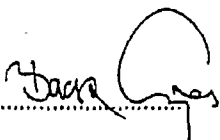
CERTIFICATE OF CONFORMITY

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.

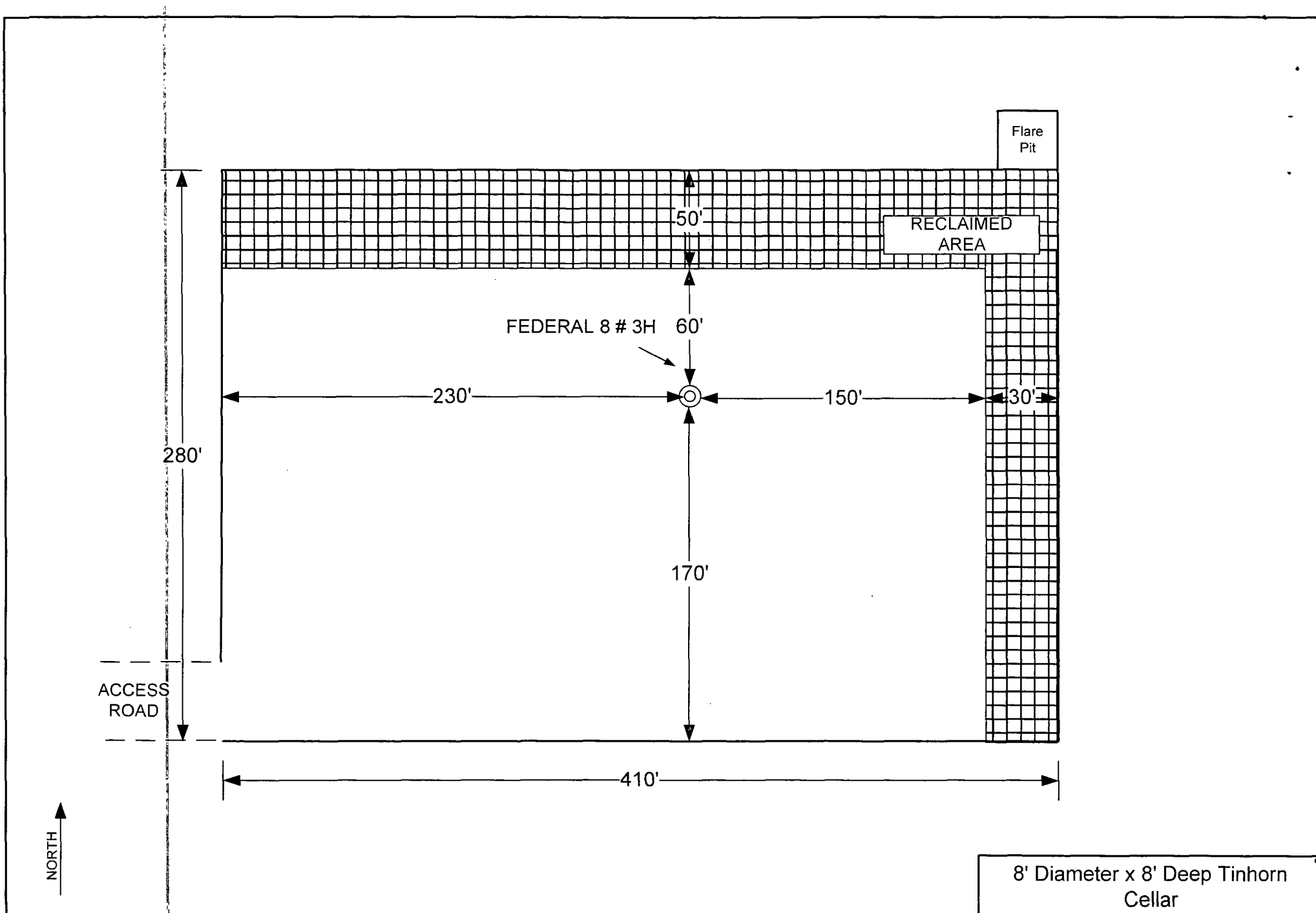
COUNTRY OF ORIGIN HUNGARY/EU

Signed : 

Position: Q.C. Manager

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

Date: 04. April. 2008



Well site layout | Reclaimed

REVISION BLOCK							ENGINEERING RECORD	
NO.	DATE	DESCRIPTION	BY	CHK	APP	BY	DATE	

8' Diameter x 8' Deep Tinhorn
Cellar

FLEX 3 RIG DIAGRAM

FEDERAL 8 # 3H

V-door - East

LEA COUNTY, NEW MEXICO