District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
JAN 28 2013
RECEIVED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-40940	22800	Eumont Yates 7R Qn (Oil)

Property Code	Property Name	Well Number
27941	EAST EUMONT UNIT	204

OGRID No.	Operator Name	Elevation
192463	OXY USA WTP LIMITED PARTNERSHIP	3659.4'

Surface Location

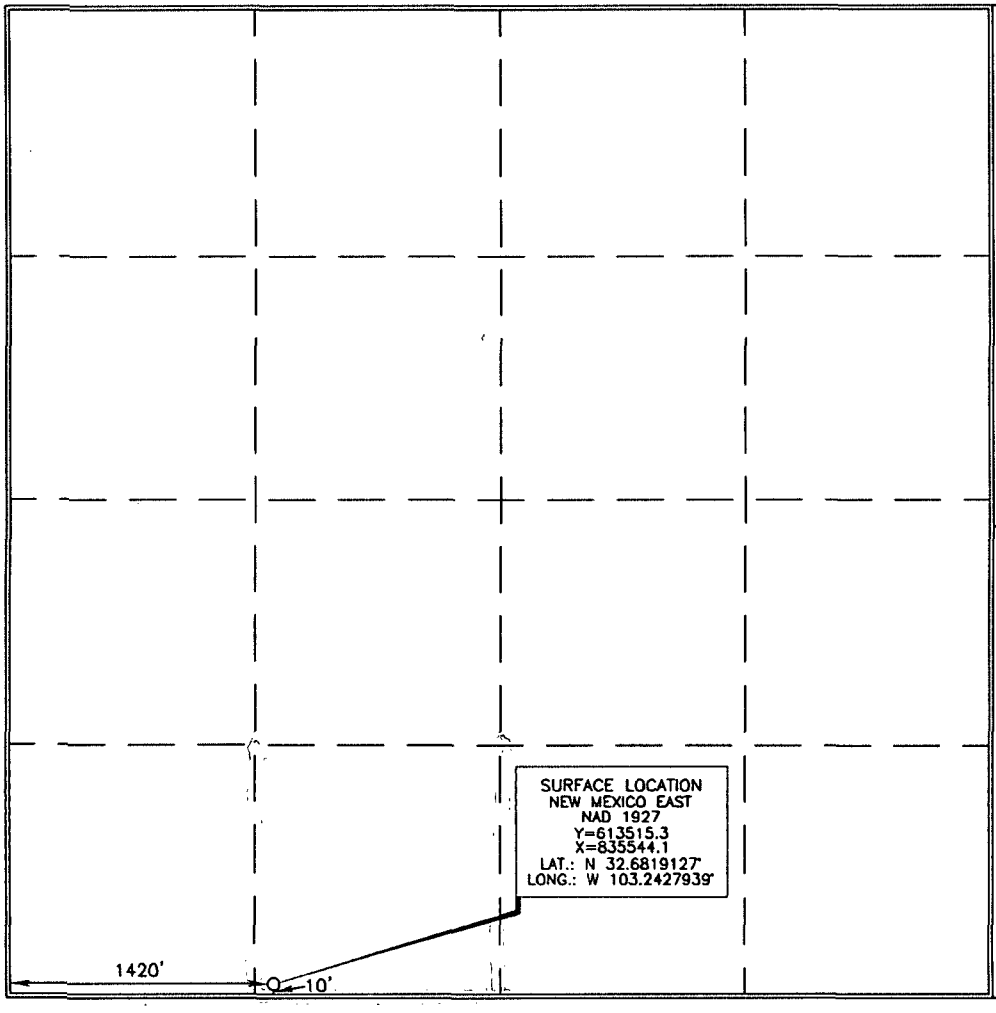
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	3	19 SOUTH	37 EAST, N.M.P.M.		10'	SOUTH	1420'	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40	Y		R-2894

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 1/23/13

David Stewart Reg. Adv.
Printed Name

david_stewart@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 10, 2013
Date of Survey

Signature and Seal of Professional Surveyor:

GARY JASE NEW MEXICO 15079 PROFESSIONAL LAND SURVEYOR

Certificate Number 15079

WO# 120906WL-d (Rev. B) (KA)

EG 1-29-2013

Operator Name/Number:	**OXY USA WTP LP**		**192463**
Lease Name/Number:	**East Eumont Unit #204**	**27941**	**Fee**
Pool Name/Number:	**Eumont Yates 7R Qn (Oil)**	**22800**	
Surface Location:	**10 FSL 1420 FWL N Sec 3 T19S R37E**		

C-102 Plats: 1/10/13 1/11/13 1/14/13 **Elevation:** 3659.4' GL

Proposed TD: 4100' TVD

Lat: 32.6819127 Long: 103.2427939 **X= 835544.1** **Y= 613515.3** **NAD - 1927**

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
11"	0-1620'	8-5/8"	24	ST&C	J-55	New	2.51	2.14	11.24
				Hole filled with 8.4# Mud			1370#	2950#	
7-7/8"	0-4100'	5-1/2"	17	LT&C	J-55	New	2.4	3.25	4.15
				Hole filled with 9.6# Mud			4910#	5320#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

a. 8-5/8" Surface — Circulate cement to surface w/ 450sx PP cmt w/ 4% Bentonite + 1% CaCl2 + .125#/sx Poly-E-Flake, 13.5ppg 1.73 yield 810# 24hr CS 150% Excess followed by 200sx PP cmt w/ 1% CaCl2, 14.8ppg 1.34 yield 2500# 24hr CS 150% Excess

b. 5-1/2" Production — Cement w/ 470sx IFH w/ 3#/sx Kol-Seal + .2% HR-601 + .25#/sx D-Air 5000 + .125 #/sx Poly-E-Flake, 11.9ppg 2.47 yield 426# 24hr (574# 48hr) CS 150% Excess followed by 130sx PP cmt w/ 0.5 Halad R-344 + 0.3% CFR 3 + .2% WellLife 734 + 5#/sx Microbond + .3% Econolite, 14.2ppg 1.55 yield 1914# 24hr CS 75% Excess

Description of Cement Additives: Calcium Chloride (Accelerator), WellLife-734 (Cement Enhancer), D-Air 5000 (Defoamer), CFR-3 (Dispersant), Microbond (Expander), Bentonite, Econolite (Light Weight Additive), Kol-Seal, Poly-E-Flake (Lost Circulation Additive), Halad R-344 (Low Fluid Loss Control), HR-601 (Retarder).

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 1620'	8.4-8.8	27-38	NC	Fresh Water/Spud Mud
1620 - 4100'	9.6-10.0	28-40	10 - 20	Brine Water/salt Gel

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.

BOP Program (1):

Surface None

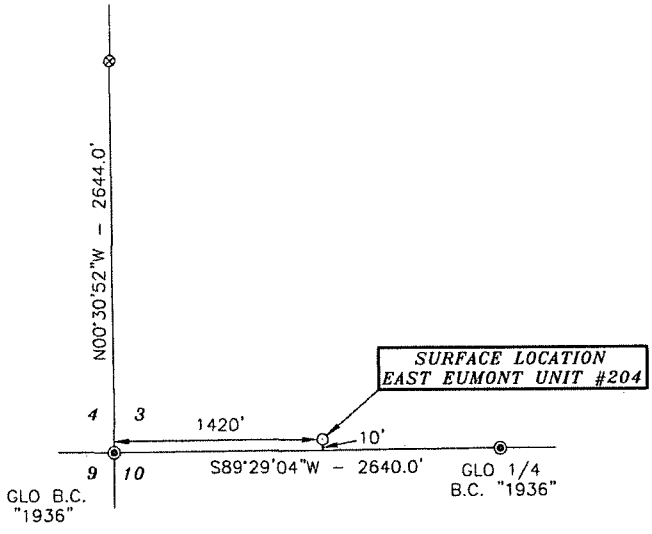
Production 11" X 5M two ram stack, 11" X 3M Annular, 5M Choke Manifold

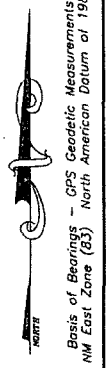
Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Geological Marker	Depth
a. Rustler	1576'
b. Top Salado/Salt	1706'
c. Bottom Salt	2681'
d. Yates	2806'
e. Seven Rivers	3076'
f. Queen	3616'
g. Penrose	3876'
h. Grayburg	4100'

Based on the NMOSE nearby water wells have been drilled to a depth of less than 180'. Based on offset wells casing programs the surface casing set @ 1620' should cover any possible fresh water zones above the Salado.

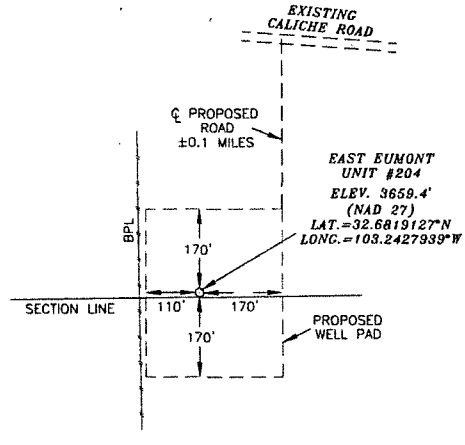
SECTION 3, TOWNSHIP 19 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO





Basis of Bearings - GPS Geodetic Measurements
NM East Zone (83) North American Datum of 1983

DRIVING DIRECTIONS:
BEGINNING IN HOBBS AT THE INTERSECTION OF U.S. HWY. #62/180 AND WEST COUNTY ROAD, GO WEST ON U.S. HWY. #62/180 FOR 4.0 MILES, TURN LEFT ON CALICHE ROAD AND GO SOUTH FOR 0.8 MILES, TURN LEFT AND GO EAST FOR 0.3 MILES, TURN RIGHT ON PROPOSED ROAD AND GO SOUTH FOR 0.1 MILES TO LOCATION.



SCALE-1"=300'

TERRY J ASEL
NEW MEXICO
15079
PROFESSIONAL LAND SURVEYOR

LEGEND

◉ - DENOTES FOUND MONUMENT AS NOTED
⊗ - DENOTES CALCULATED CORNER

1000' 0 1000' 2000' FEET
SCALE: 1"=1000'

SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 1/11/2013
Terry J. Asel N.M. R.P.L.S. No. 15079

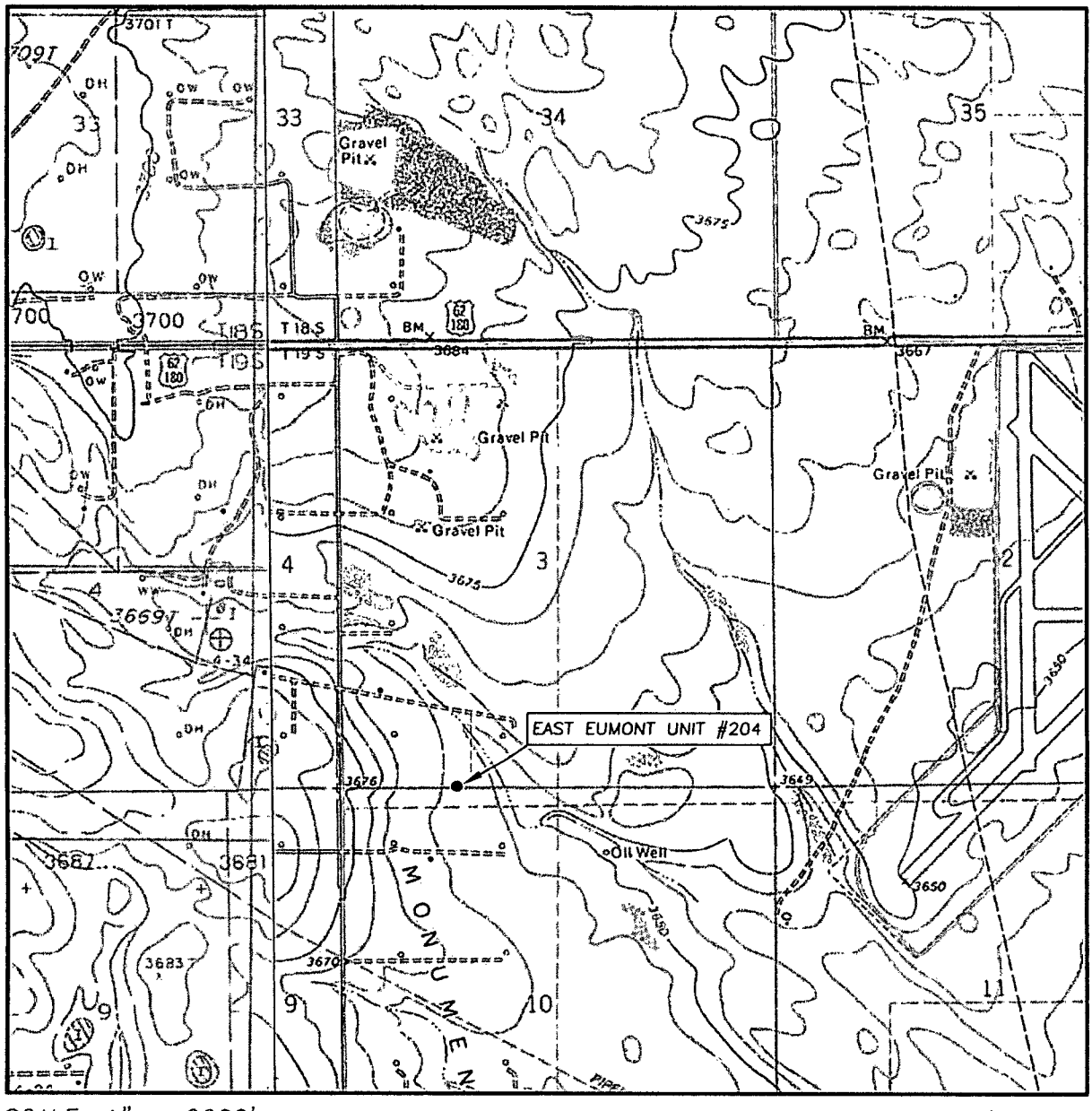
Asel Surveying
P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

OXY USA WTP LP

EAST EUMONT UNIT #204 LOCATED AT 10' FSL & 1420' FWL IN SECTION 3, TOWNSHIP 19 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 01/10/13	Sheet 1 of 1 Sheets	
W.O. Number: 120906WL-d (Rev. B)	Drawn By: KA	Rev: B
Date: 01/11/13	120906WL-d	Scale:1"=1000'

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 3 TWP. 19-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 10' FSL & 1420' FWL

ELEVATION 3659.4'

OPERATOR OXY USA WTP LP

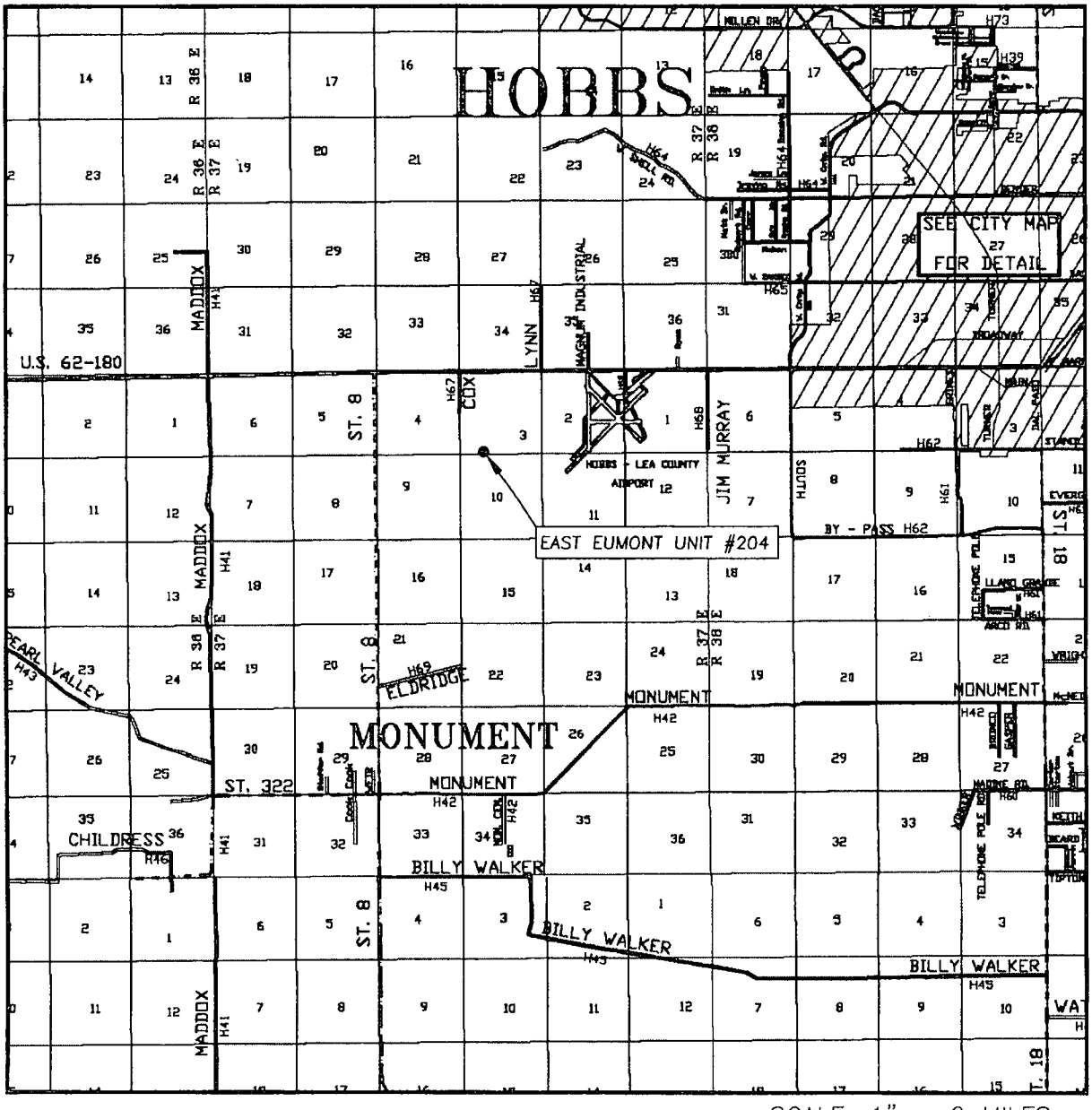
LEASE EAST EUMONT UNIT #204

U.S.G.S. TOPOGRAPHIC MAP
HOBBS WEST, N.M.

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 3 TWP. 19-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 10' FSL & 1420' FWL

ELEVATION 3659.4'

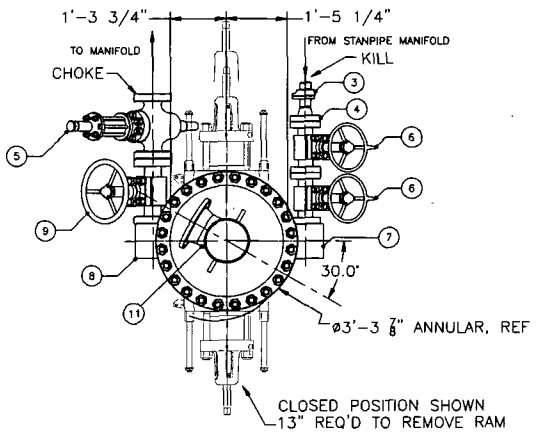
OPERATOR OXY USA WTP LP

LEASE EAST EUMONT UNIT #204

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

DIRECTIONS BEGINNING IN HOBBS AT THE INTERSECTION OF U.S. HWY. #62/180 AND WEST COUNTY ROAD, GO WEST ON U.S. HWY. #62/180 FOR 4.0 MILES, TURN LEFT ON CALICHE ROAD AND GO SOUTH FOR 0.8 MILES, TURN LEFT AND GO EAST FOR 0.3 MILES, TURN RIGHT ON PROPOSED ROAD AND GO SOUTH FOR 0.1 MILES TO LOCATION.



PROPER TORQUE FOR BOLTS

COMPONENT	FLANGE SIZE & RATING	BOLT SIZE	TORQUE (FT/LBS) CF=0.07	TORQUE (FT/LBS) CF=0.13
SPOOLS, ANNULAR & RAMS	11"x5M	1 7/8" DIA.	1890	3330
BLOCKS	3 1/8x5M	1 1/8" DIA	401	686
CHOKE VALVES	3 1/8x5M	1 1/8" DIA.	401	686
KILL VALVES	2 1/16x5M	7/8" DIA.	188	319

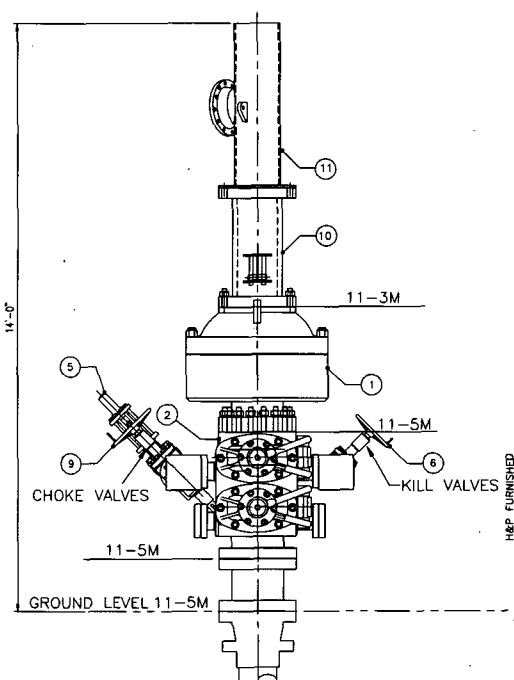
BILL OF MATERIAL

ITEM NO.	QUAN.	DESCRIPTION	PART NUMBER	WEIGHT
		11-5M BOP ASSEMBLY		
1	1	ANNULAR, 11x3M BOLTED TYPE		6005
2	1	BOP DOUBLE RAM		7600
	4	RAM ELEMENTS		444
3	1	HAMMER UNION, 2-1502# XXH (BW)		5
4	1	FLANGE, WN 2 1/16-5M API		42
5	1	VALVE, GATE FLS-HCR 3 1/8-5M		396
6	2	VALVE, GATE 2 1/16-5M		350
7	1	90° STUDDED BLOCK, 3 1/8-5M X 2 1/16-5M		240
8	1	90° STUDDED BLOCK, 3 1/8-5M X 3 1/8-5M		250
9	2	VALVE, GATE 3 1/8-5M		720
10	1	BELL NIPPLE BOP LIFTING SECTION	MK. F4M-H-318.01A	780
11	1	BELL NIPPLE EXTENSION	MK. F4M-H-319.01A	396
12	1	11"-5M x 11"-5M x 1'-3" LONG SPACER		600
		SPOOL- WORKING PRESSURE 5000 PSI		

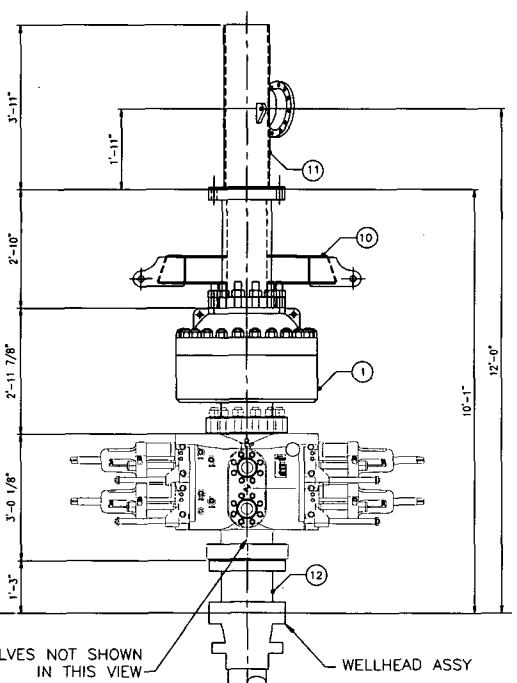
HARDWARE

ITEM NO.	QUAN.	DESCRIPTION	PART NUMBER	WEIGHT
		RINGS AND BOLTS		400

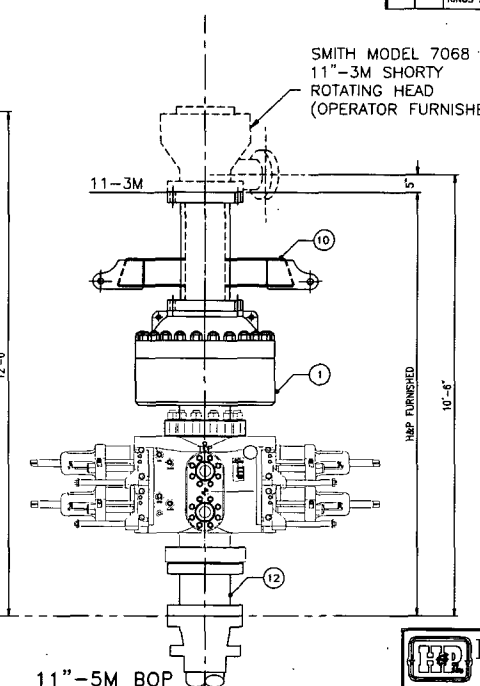
APPROX. TOTAL WEIGHT = 16,228 LBS.



11"-5M BOP
W/ BELL NIPPLE



11"-5M BOP
W/ BELL NIPPLE



11"-5M BOP
W/ ROTATING HEAD

ISSUED FOR FABRICATION
August-08-2008
DRAFTSMAN
ENGINEER

PROPRIETARY

THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER, WITHOUT THE PRIOR, WRITTEN CONSENT OF A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INT'L DRILLING CO.

NOTES:

1. ALL BOP RAMS SHOWN ARE SHAFFER MODEL LXT 11-5M PSI WP - FLANGED BOTTOM AND STUDDED TOP

REV	DATE	DESCRIPTION	BY
		ENGINEERING APPROVAL	DATE
B	08/08/08	ADDED 1 OF 4 SHTS WAS 1 OF 3	DRJ
A	07/29/08	SHEET 1 OF 3 WAS 1 OF 5	DRJ

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

TITLE: 11-5M BOP EQUIPMENT GENERAL ARRANGEMENT

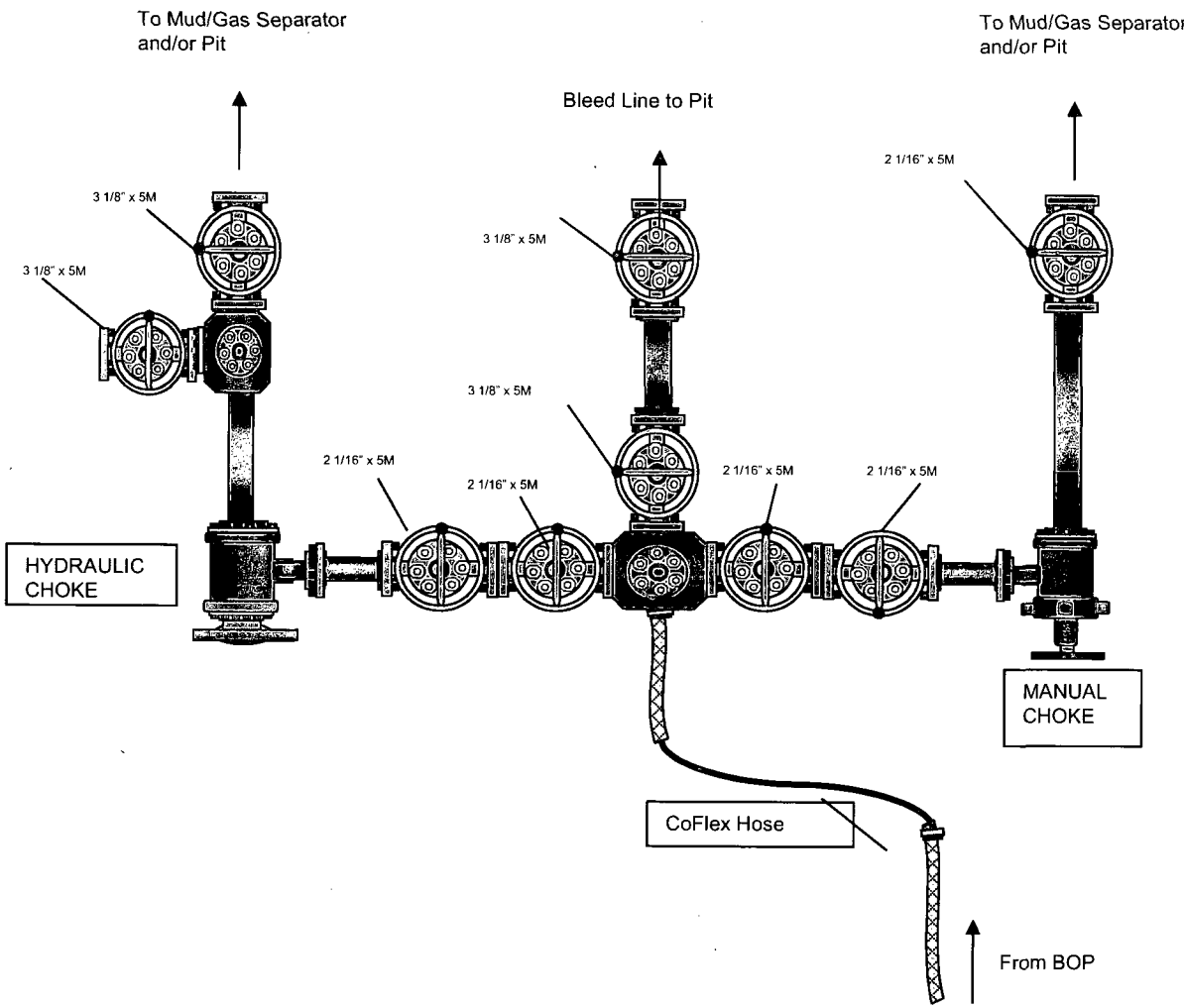
CUSTOMER: OXY-PERMIAN

PROJECT: F4M

DRAWN: DJOHNSON | DATE: 07/14/08 | DWG. NO.: F4M-H-320 | REV: B

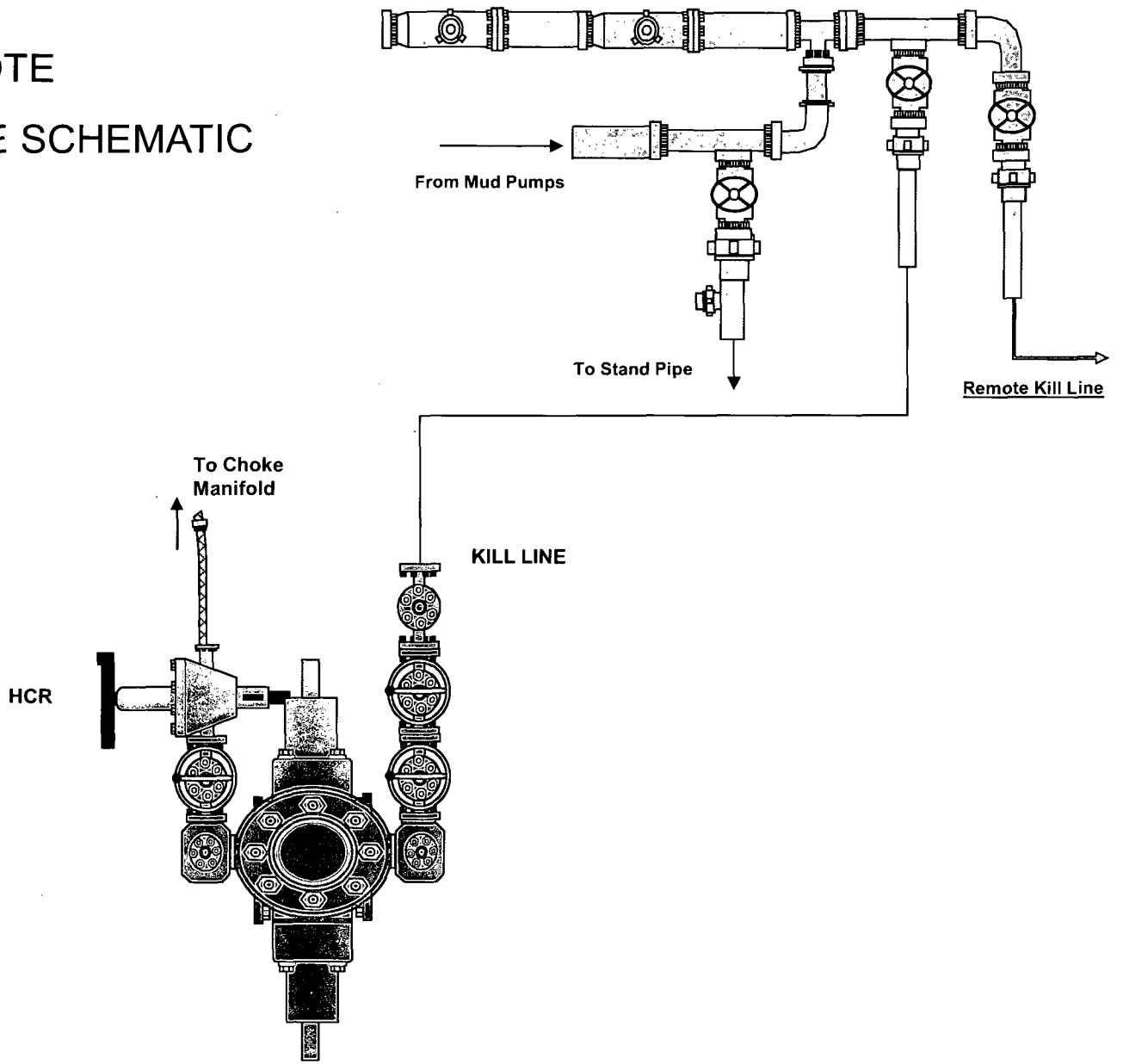
SCALE: NTS | SHEET: 1 of 4

5M CHOKE MANIFOLD CONFIGURATION



5M REMOTE

KILL LINE SCHEMATIC



Permian Drilling
Hydrogen Sulfide Drilling Operations Plan
East Eumont Unit #204

Open drill site. No homes or buildings are near the proposed location.

1. Escape

   Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the Northeast side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.

▲ H2S Detectors. At least three detectors will be installed: bell nipple, rig floor and Shakers.

Briefing Areas. At least two briefing areas will be placed, 90 deg off.

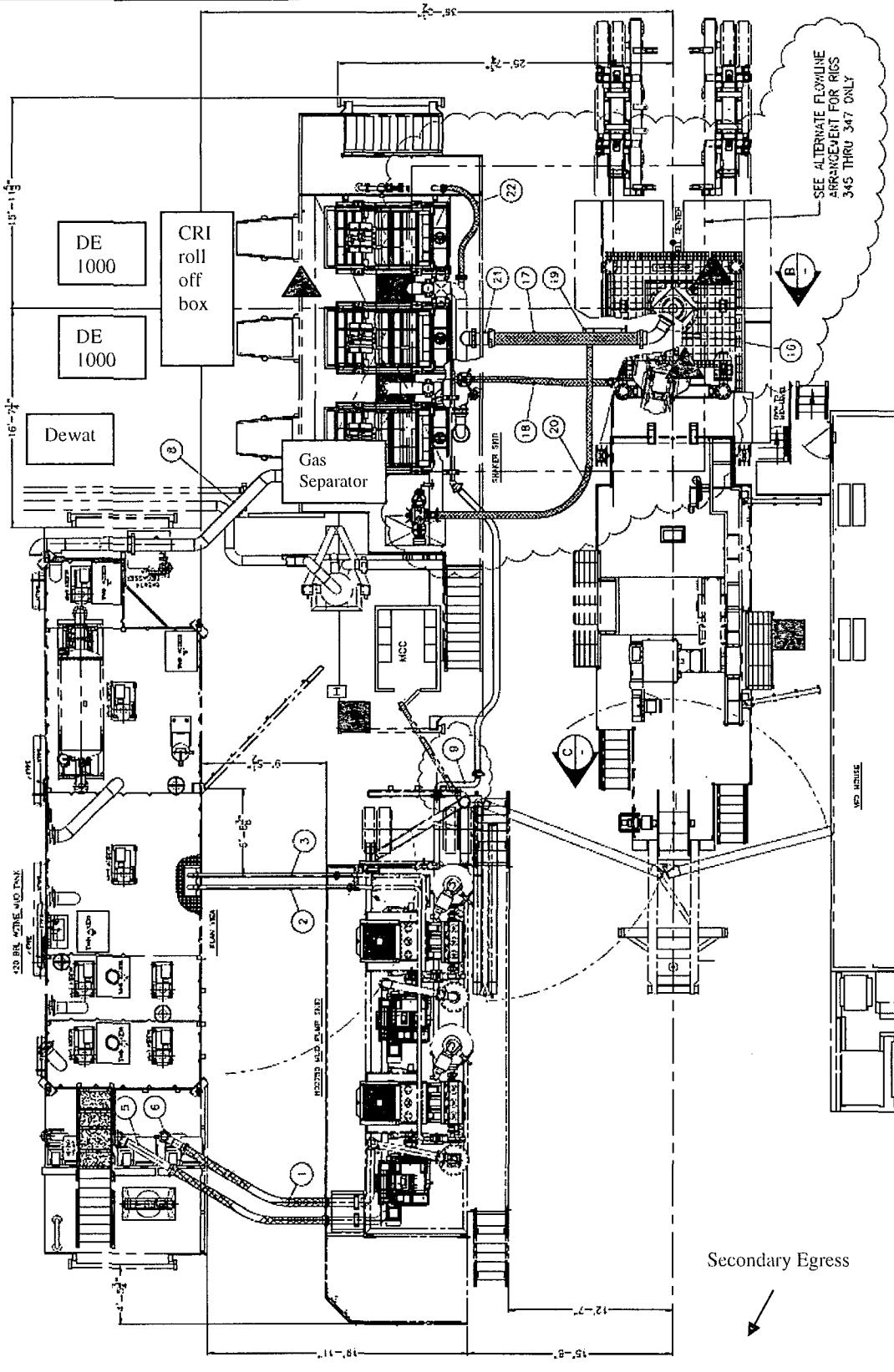
■ Wind direction indicators. Visible from rig floor and from the mud pits area.

A gas buster is connected to both the choke manifold and flowline outlets.

Exit to road. Caution sign placed here.

Primary Briefing Area

N



Secondary Briefing Area

40'-0"x10'-0" RIG OFFICE TRAILER

40'-0"x10'-0" MEETING/CHANGE HOUSE

WIND: Prevailing winds are from the Southwest

Secondary Egress