

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

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

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

RECEIVED  
WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-40938	Pool Code 22800	Pool Name Eumont Yates TR On (OIL)
Property Code 27941	Property Name EAST EUMONT UNIT	Well Number 202
OGRID No. 192463	Operator Name OXY USA WTP LIMITED PARTNERSHIP	Elevation 3660.7'

Surface Location

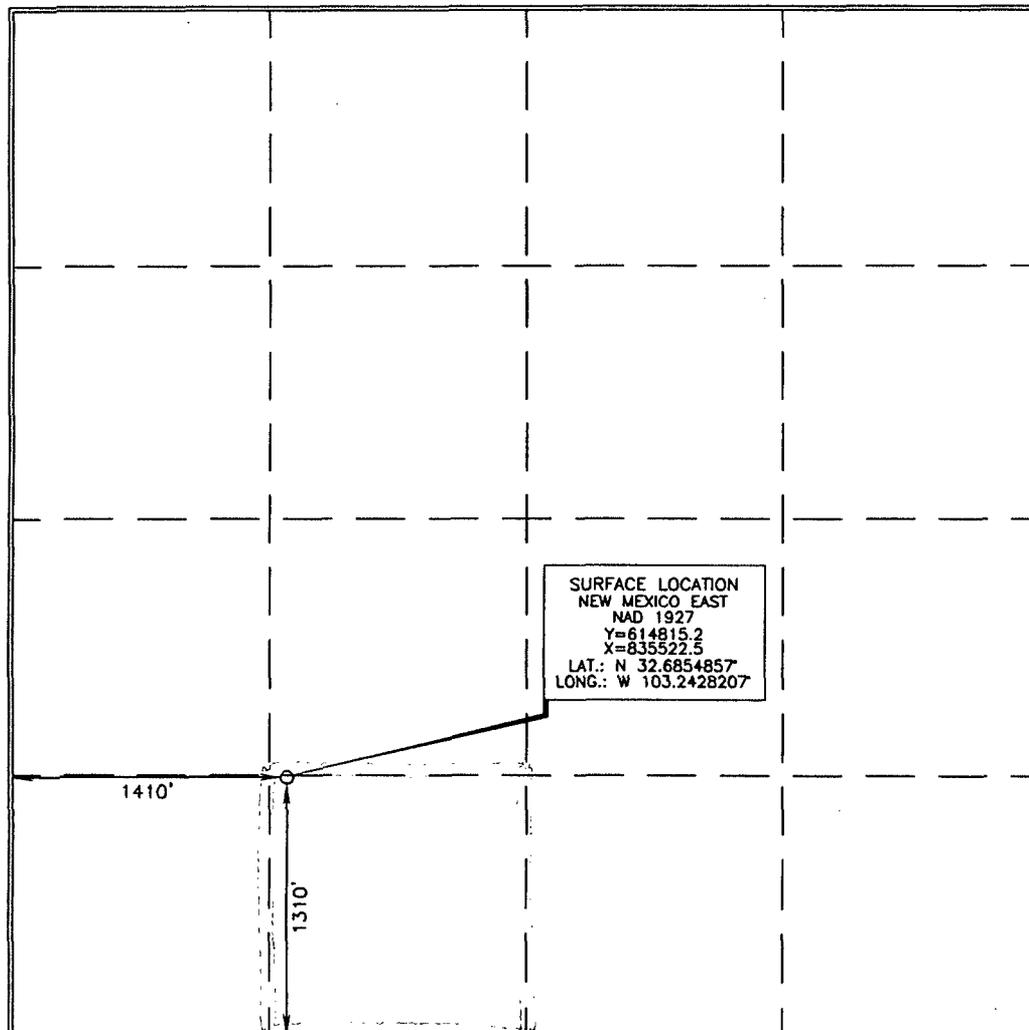
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	3	19 SOUTH	37 EAST, N.M.P.M.		1310'	SOUTH	1410'	WEST	LEA

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 40	Joint or Infill Y	Consolidation Code	Order No. R-2894
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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: *David Stewart* Date: 1/23/13  
Printed Name: David Stewart Reg. Ado.  
E-mail Address: david\_stewart@oxy.com

SURVEYOR CERTIFICATION

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

Date of Survey: JANUARY 18, 2013  
Signature and Seal of Professional Surveyor: *Terry J. Asel*  
Certificate Number: 15079

Operator Name/Number: OXY USA WTP LP 192463  
 Lease Name/Number: East Eumont Unit #202 27941 Fee  
 Pool Name/Number: Eumont Yates 7R Qn (Oil) 22800  
 Surface Location: 1310 FSL 1410 FWL N Sec 3 T19S R37E

C-102 Plats: 1/18/13 1/22/13 1/23/13 Elevation: 3660.7' GL

Proposed TD: 4100' TVD  
 Lat: 32.6854857 Long: 103.2428207 X= 835522.5 Y= 614825.2 NAD - 1927

**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>
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% CaCl<sub>2</sub> + .125#/sx Poly-E-Flake, 13.5ppg 1.73 yield 810# 24hr CS 150% Excess followed by 200sx PP cmt w/ 1% CaCl<sub>2</sub>, 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:**

<u>Depth</u>	<u>Mud Wt.</u> <u>ppg</u>	<u>Visc</u> <u>sec</u>	<u>Fluid Loss</u>	<u>Type System</u>
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):**

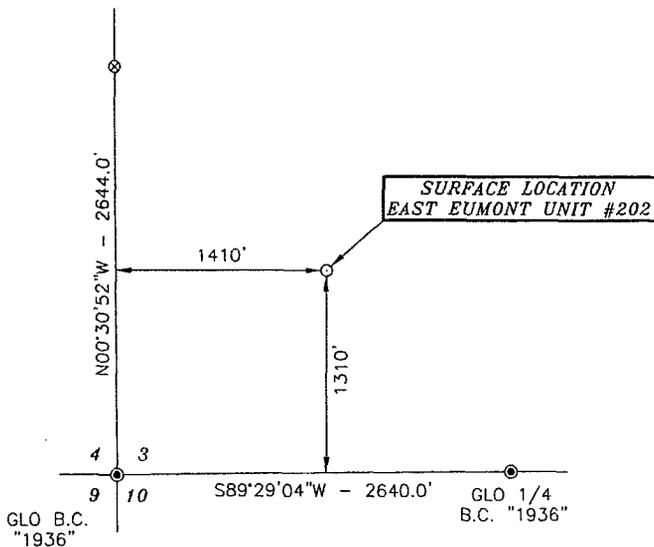
Surface None  
 Production 11" X 5M two ram stack, 11" X 3M Annular, 5M Choke Manifold

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

<u>Geological Marker</u>	<u>Depth</u>
a. Rustler	<u>1577'</u>
b. Top Salado/Salt	<u>1707'</u>
c. Bottom Salt	<u>2692'</u>
d. Yates	<u>2817'</u>
e. Seven Rivers	<u>3087'</u>
f. Queen	<u>3627'</u>
g. Penrose	<u>3887'</u>
h. Grayburg	<u>4100'</u>

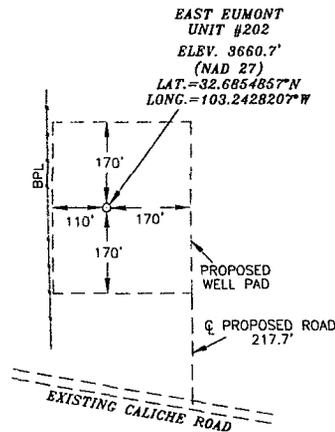
Based on the NMOSE nearby water wells have been drilled to a depth of less than 180'. Based on offset wells casing programs the surface casing set @ 1620' should cover any possible fresh water zones above the Salado.

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



Basis of Bearings - GPS Geodetic Measurements  
NAD 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 LEFT ON  
PROPOSED ROAD AND GO NORTH  
FOR 217.7 FEET TO LOCATION.



SCALE - 1" = 300'



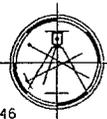
**SURVEYORS CERTIFICATE**

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* 1/22/2013  
Terry J. Asel N.M. R.P.L.S. No. 15079

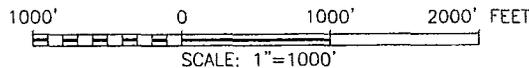
Asel Surveying

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



**LEGEND**

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

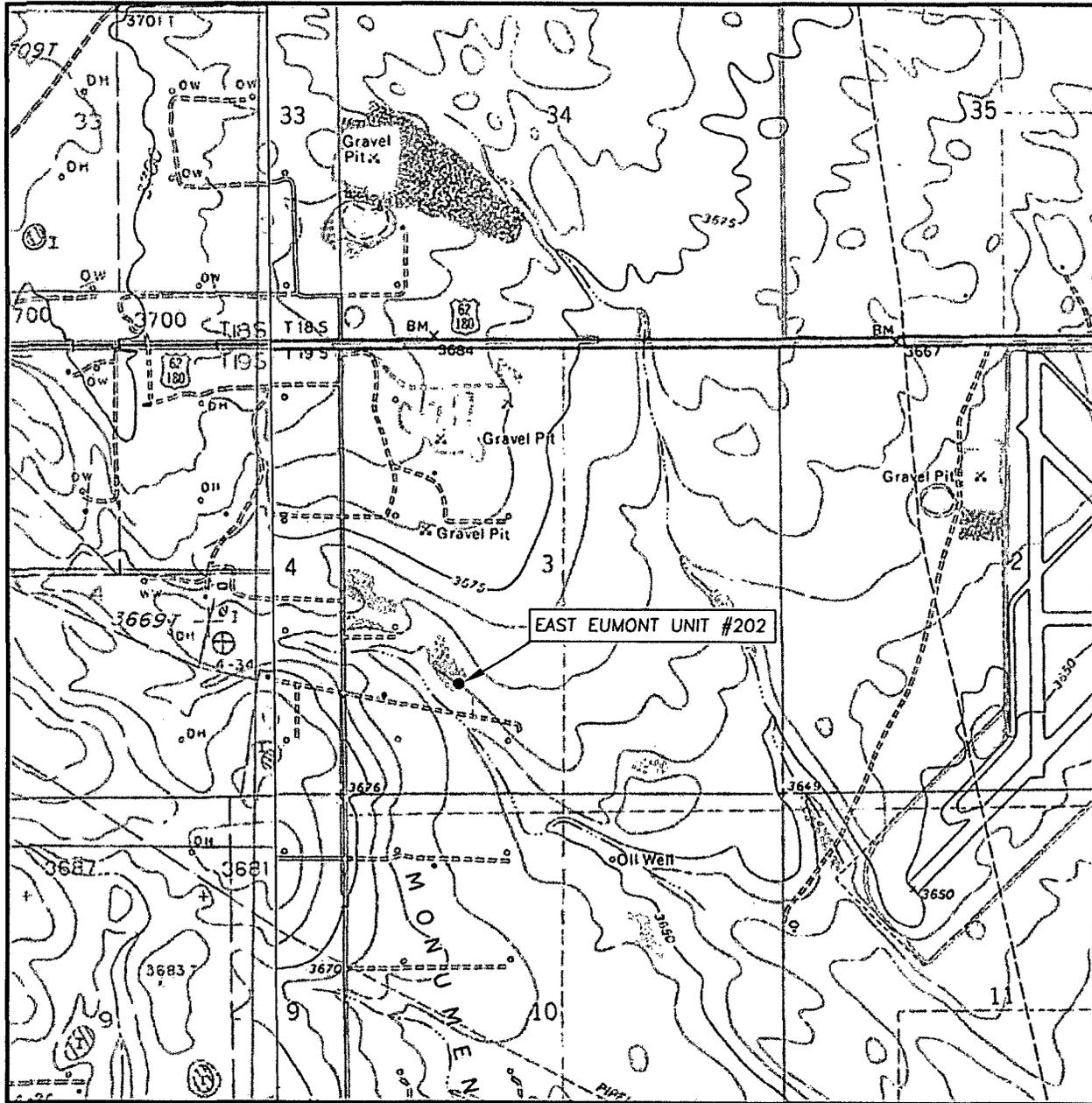


**OXY USA WTP LP**

EAST EUMONT UNIT #202 LOCATED AT  
1310' FSL & 1410' FWL IN SECTION 3,  
TOWNSHIP 19 SOUTH, RANGE 37 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 01/18/13	Sheet 1 of 1 Sheets
W.O. Number: 120906WL-b (Rev. B)	Drawn By: KA Rev: B
Date: 01/21/13	120906WL-b 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 1310' FSL & 1410' FWL

ELEVATION 3660.7'

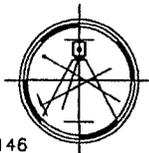
OPERATOR OXY USA WTP LP

LEASE EAST EUMONT UNIT #202

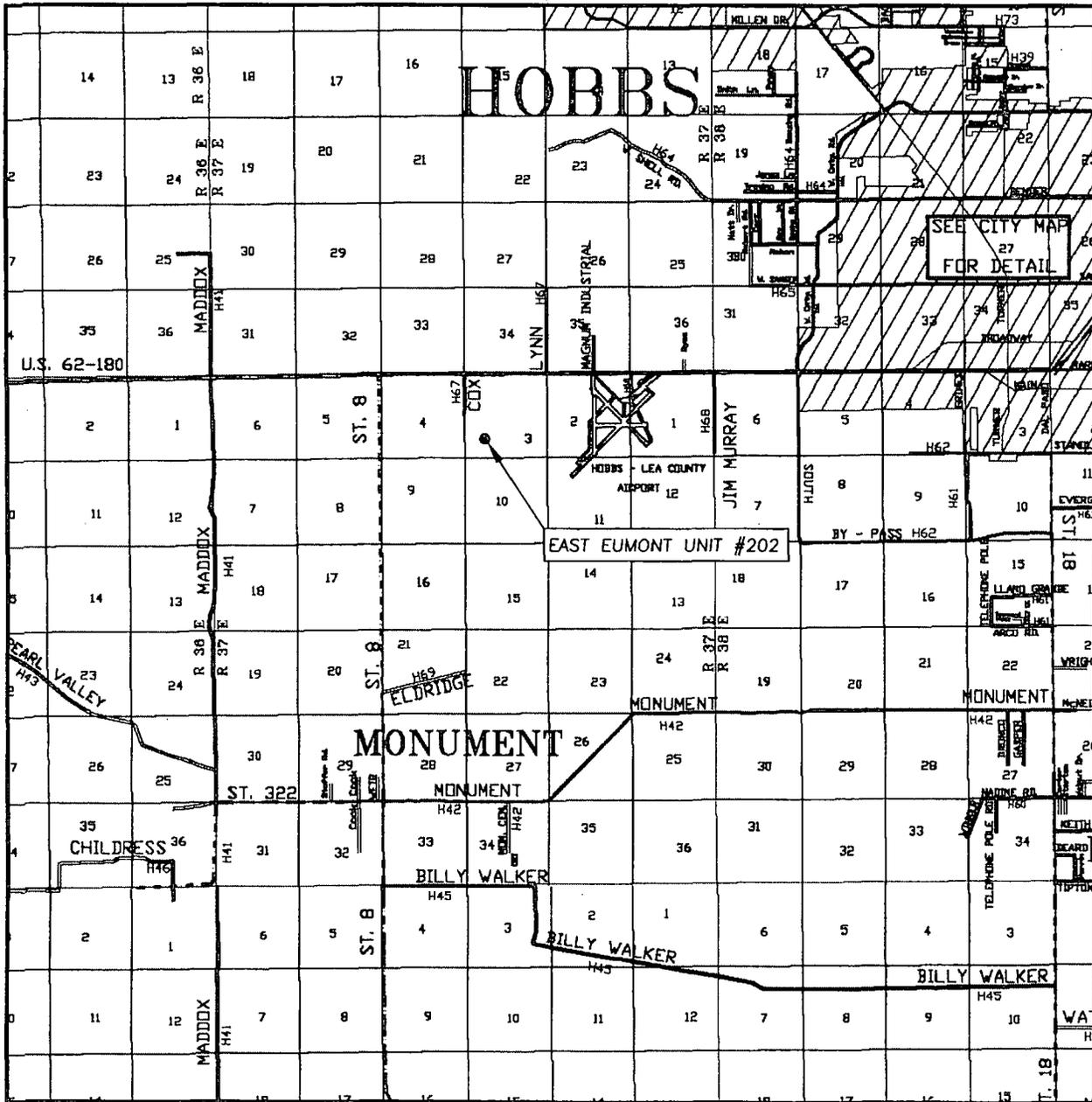
U.S.G.S. TOPOGRAPHIC MAP  
HOBBS WEST, N.M.

Asel Surveying

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



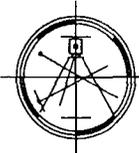
# VICINITY MAP



SEC. 3 TWP. 19-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1310' FSL & 1410' FWL  
 ELEVATION 3660.7'  
 OPERATOR OXY USA WTP LP  
 LEASE EAST EUMONT UNIT #202

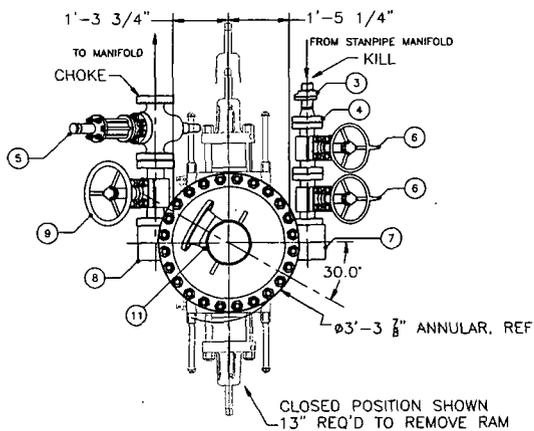
SCALE: 1" = 2 MILES

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 LEFT ON PROPOSED ROAD AND GO NORTH FOR 217.7 FEET TO LOCATION.



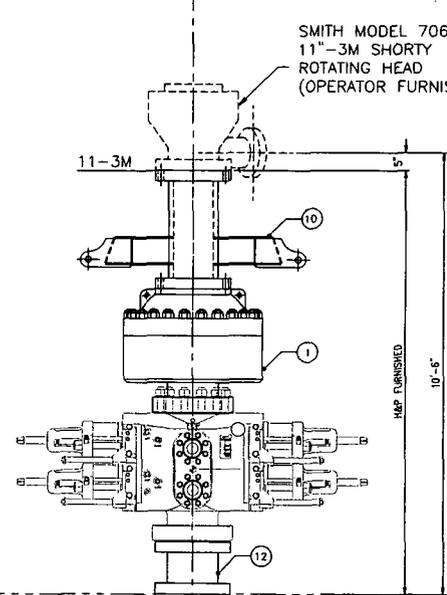
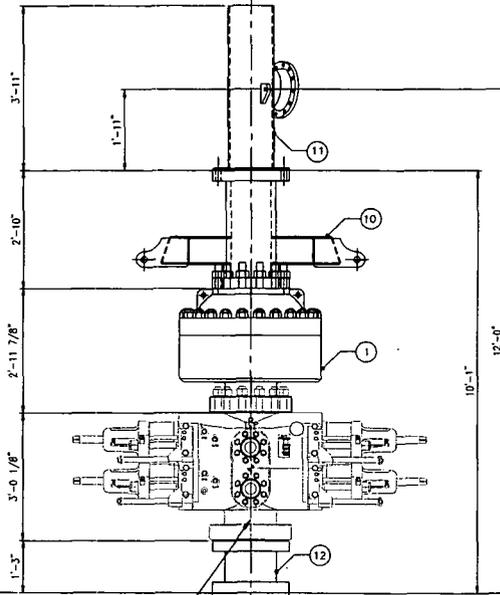
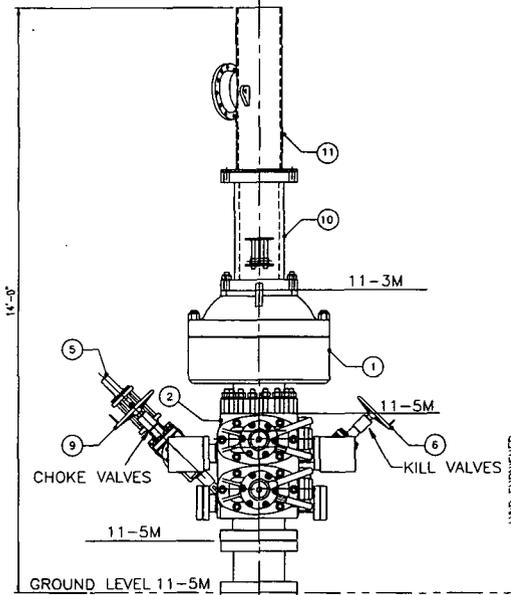
PROPER TORQUE FOR BOLTS				
COMPONENT	FLANGE SIZE & RATING	BOLT SIZE	TORQUE	(FT/LBS)
			CF=0.07	CF=0.13
SPOOLS, ANNULAR & RAMS	11"x5M	1 7/8" DIA.	1890	3330
BLOCKS	3 1/8x5M	1 1/8" DIA.	401	686
CHOKE VALVES	3 1/8x5M	1 1/8" DIA.	401	686
KILL VALVES	2 1/16x5M	7/8" DIA.	188	319

BILL OF MATERIAL				
ITEM NO.	QUAN.	DESCRIPTION	PART NUMBER	WEIGHT
		11-5M BOP ASSEMBLY		
1	1	ANNULAR, 11x5M BOLTED TYPE		6005
2	1	BOP DOUBLE RAM		7600
4		RAM ELEMENTS		444
3	1	HAMMER UNION, 2-1502J 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 = 18,228 LBS.

SMITH MODEL 7068  
11"-3M SHORTY  
ROTATING HEAD  
(OPERATOR FURNISHED)



**ISSUED FOR FABRICATION**  
August-08-2006  
DRAFTSMAN  
ENGINEER

11"-5M BOP  
W/ BELL NIPPLE

11"-5M BOP  
W/ BELL NIPPLE

11"-5M BOP  
W/ ROTATING HEAD

**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

**HELMERICH & PAYNE INTERNATIONAL DRILLING CO.**

TITLE: 11-5M BOP EQUIPMENT GENERAL ARRANGEMENT

CUSTOMER: OXY-PERMAN

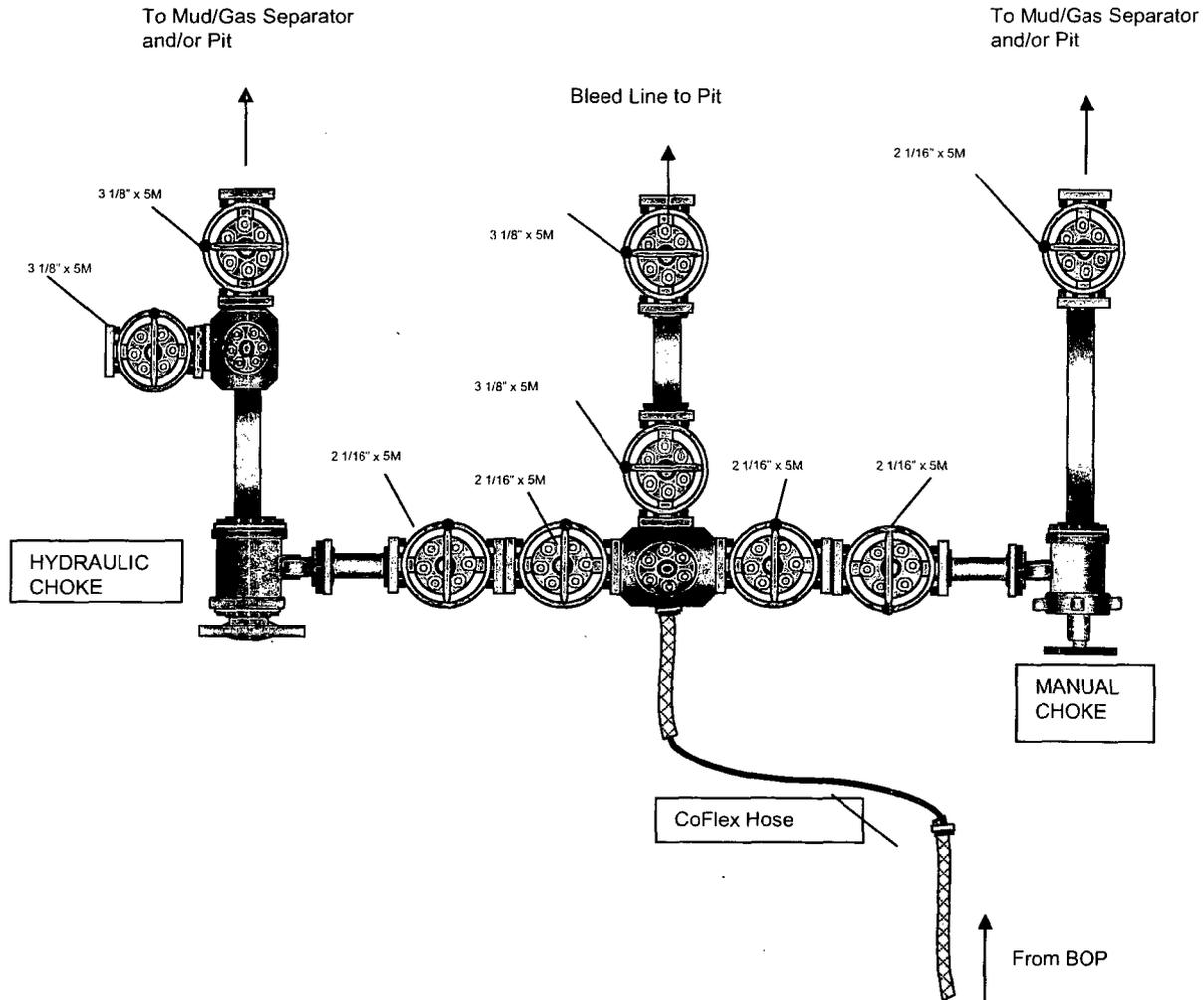
PROJECT: F4M

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

SCALE: NTS SHEET: 1 OF 4

REV	DATE	DESCRIPTION	BY	SCALE	NTS	SHEET	1 OF 4
△							
△							
△	08/06/08	ADDED 1 OF 4 SHTS WAS 1 OF 3	DRJ				
△	07/28/08	SHEET 1 OF 3 WAS 1 OF 3	DRJ				

# 5M CHOKE MANIFOLD CONFIGURATION



# 5M REMOTE KILL LINE SCHEMATIC

