

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Melrose Operating Company		² OGRID Number: 184800	
³ Property Code 25191		⁴ API Number 30-02537269	
⁵ Property Name Jalmat Yates Sand Field Unit		⁶ Well No. 214	
⁹ Proposed Pool 1 Jalmat, Y-5A-7R		¹⁰ Proposed Pool 2	

7 Surface Location

UL or lot no. P	Section 14	Township 22S	Range 35E	Lot Idn	Feet from the 100	North/South line South	Feet from the 100	East/West line East	County Lea
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8 Proposed 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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation
¹⁶ Multiple no	¹⁷ Proposed Depth 4200'	¹⁸ Formation Yates	¹⁹ Contractor United Drilling	²⁰ Spud Date 6-1-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic X 12_mils thick Clay ☐ Pit Volume: 8000_bbls Drilling Method: Closed-Loop System ☐ Fresh Water X Brine X Diesel/Oil-based ☐ Gas/Air ☐				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	350#	250 sx	surface
7 7/8"	5 1/2"	15.5#	4200#	1200 sx	Surface

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Purpose to drill 12 1/4" hole to 350', set 8 5/8" casing to 350', cement with 250 sx Cl C cement - circulating to surface. Drill 7 7/8" hole to 4200', run open hole logs, set production string casing to total depth and cement casing with 1200 sx Cl C, circulating to surface. Will perforate, stimulate & test. Development well in waterflood.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Ann E Ritchie

Title: Regulatory Agent

E-mail Address: ann.ritchie@wtor.net

Date: 6-7-05

Phone: 432 684-6381

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date:

JUN 09 2005

Expiration Date:

Conditions of Approval Attached ☐

State of New Mexico

DISTRICT I

1625 N. PUEBLO BL., ROSA, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1001 W. GRAND AVENUE, ALBUQUERQUE, NM 87102

OIL CONSERVATION DIVISION

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Free Lease - 3 Copies

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

DISTRICT III

1600 Rio Bravo Rd., Aztec, NM 87410

DISTRICT IV

1820 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30 025	Pool Code 33820	Pool Name Jalmar, Yates-SA-7R
Property Code 25191	Property Name JYSU	
OGRID No. 184860	Operator Name MELROSE OPERATING COMPANY	Well Number 214
		Elevation 3577'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	22-S	35-E		100	SOUTH	100	EAST	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	Consolidation Code	Order No. Water Flood
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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

SECTION 14		SECTION 13	
SECTION 23		SECTION 24	
100' 100' 100'			
GEODETIC COORDINATES NAD 27 NME Y=505110.8 N X=809840.7 E LAT. = 32°22'04.81" N LONG. = 103°19'46.71" W			

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]
Signature
Ann E Ritchie
Printed Name
Regulatory Agent
Title
6-7-05
Date

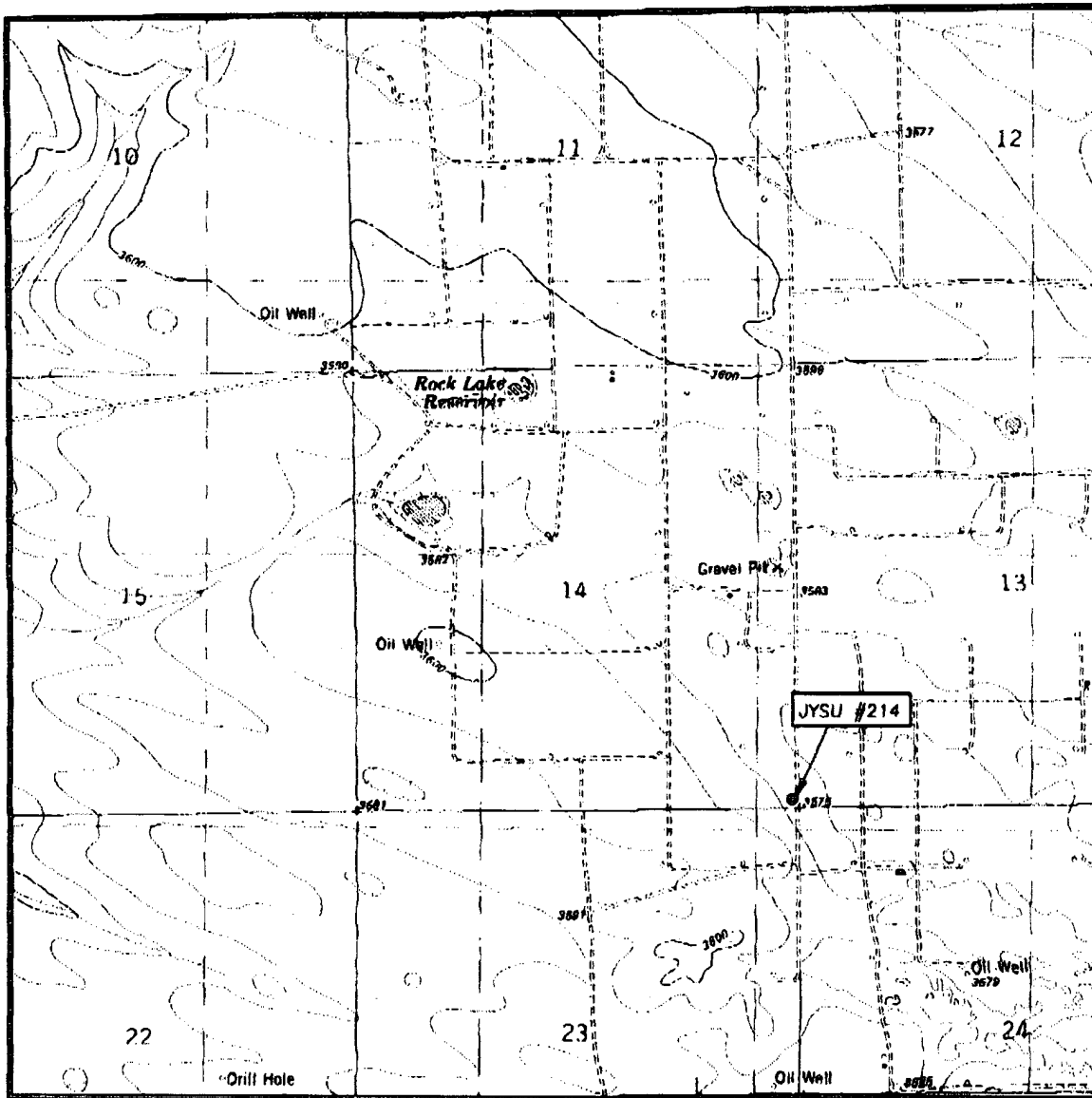
SURVEYOR CERTIFICATION

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 28, 2005

Date Surveyed
Signature *[Signature]* JR
Professional Surveyor
GARY E. EDSON
NEW MEXICO
2/8/05
05.11.01.32
Certified Professional Surveyor 18841

LOCATION VERIFICATION MAP

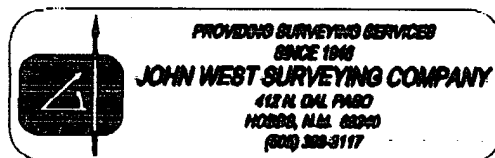


SCALE: 1" = 2000'

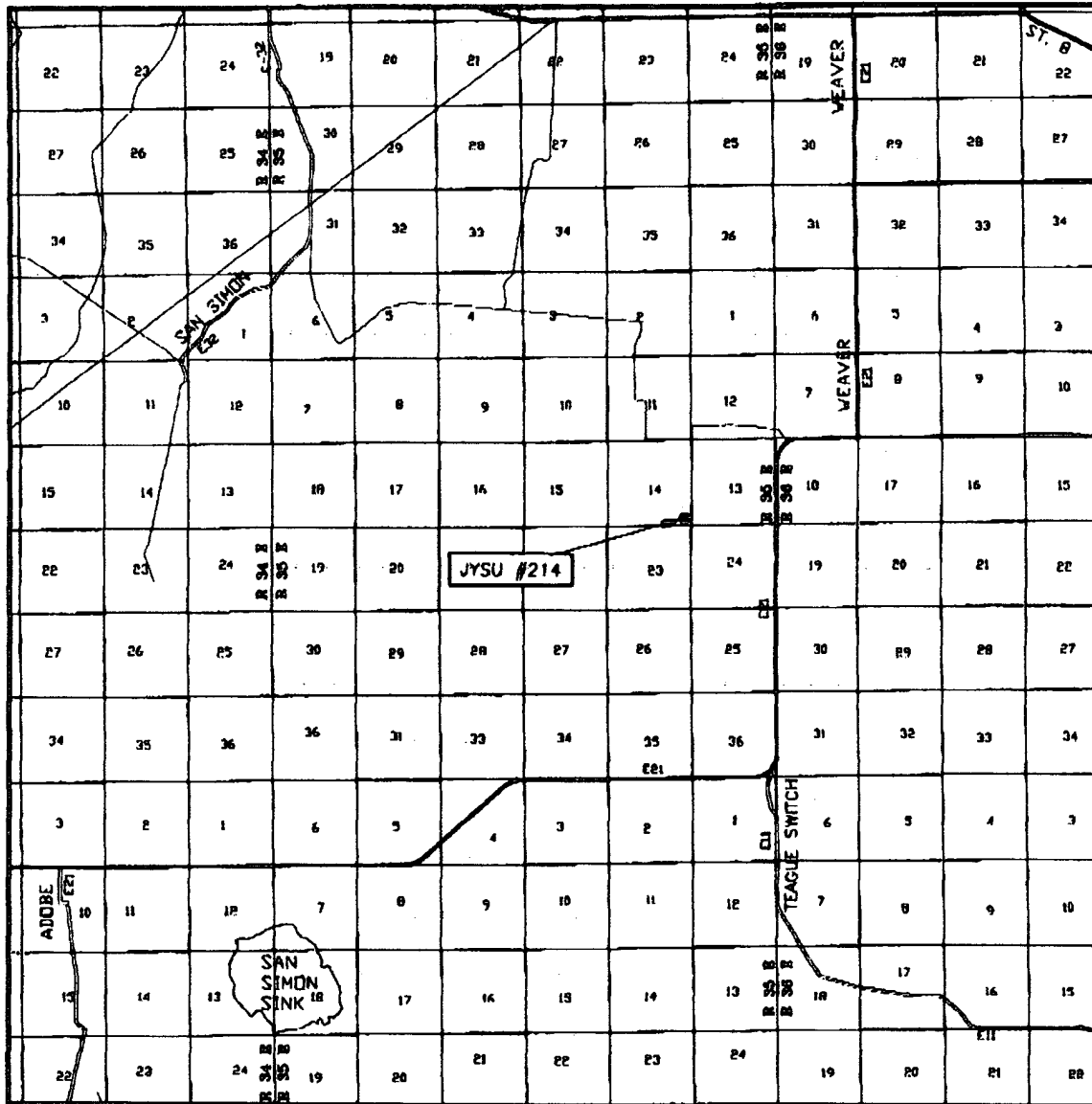
CONTOUR INTERVAL:
OIL CENTER, N.M. - 10'
EAST LAKE, N.M. - 10'

SEC. 14 TWP. 22-S RGE. 35-ESURVEY N.M.P.M.COUNTY LEADESCRIPTION 100' FSL & 100' FELELEVATION 3577'OPERATOR MELROSE
OPERATING COMPANYLEASE JYSU

U.S.G.S. TOPOGRAPHIC MAP
OIL CENTER, N.M.



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 14 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

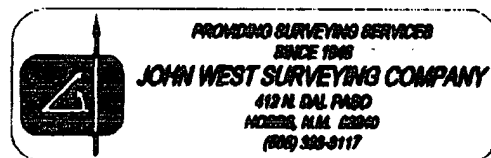
COUNTY LEA

DESCRIPTION 100' FSL & 100' FEL

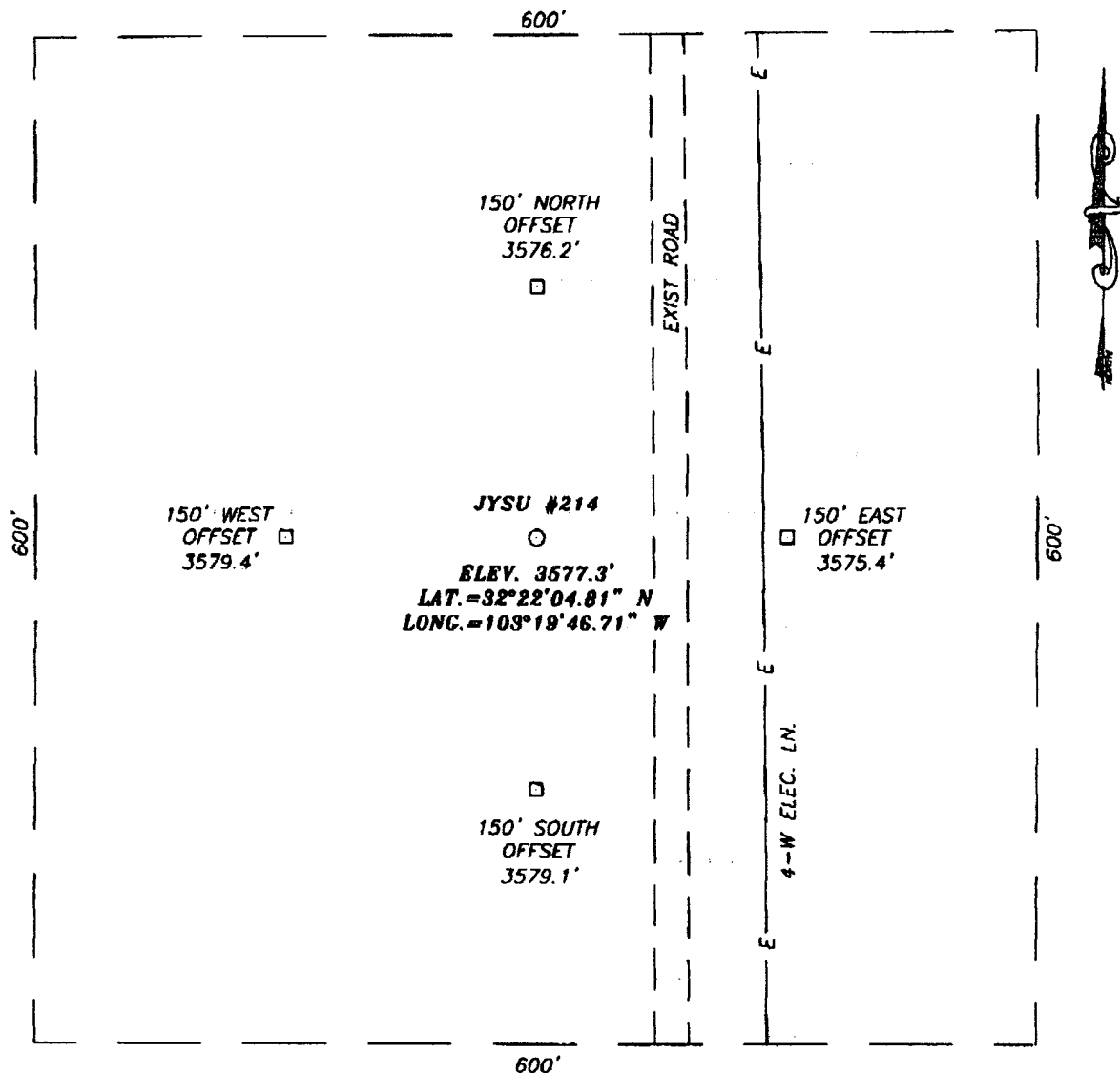
ELEVATION 3577'

OPERATOR MELROSE OPERATING COMPANY

LEASE JYSU

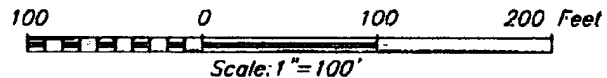


SECTION 14, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO



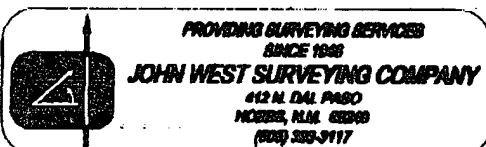
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #21
(DELAWARE BASIN RD.) AND WEAVER RD., GO
WEST CO. RD. #21 FOR APPROX. 0.9 MILES
TO WHERE THE ROAD BENDS SOUTH. TURN
RIGHT (NW) AND GO APPROX. 0.2 MILES.
THEN WEST APPROX. 0.2 MILES. TURN LEFT
(SOUTH) AND GO APPROX. 1.1 MILES.
PROPOSED LOCATION IS APPROX. 50' WEST.



MELROSE OPERATING COMPANY

JYSU #214 WELL
LOCATED 100 FEET FROM THE SOUTH LINE
AND 100 FEET FROM THE EAST LINE OF SECTION 14,
TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Survey Date: 1/28/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0132	Dr By: J.R.
Date: 2/1/05	Disk: CD#5
05110132	Scale: 1"=100'

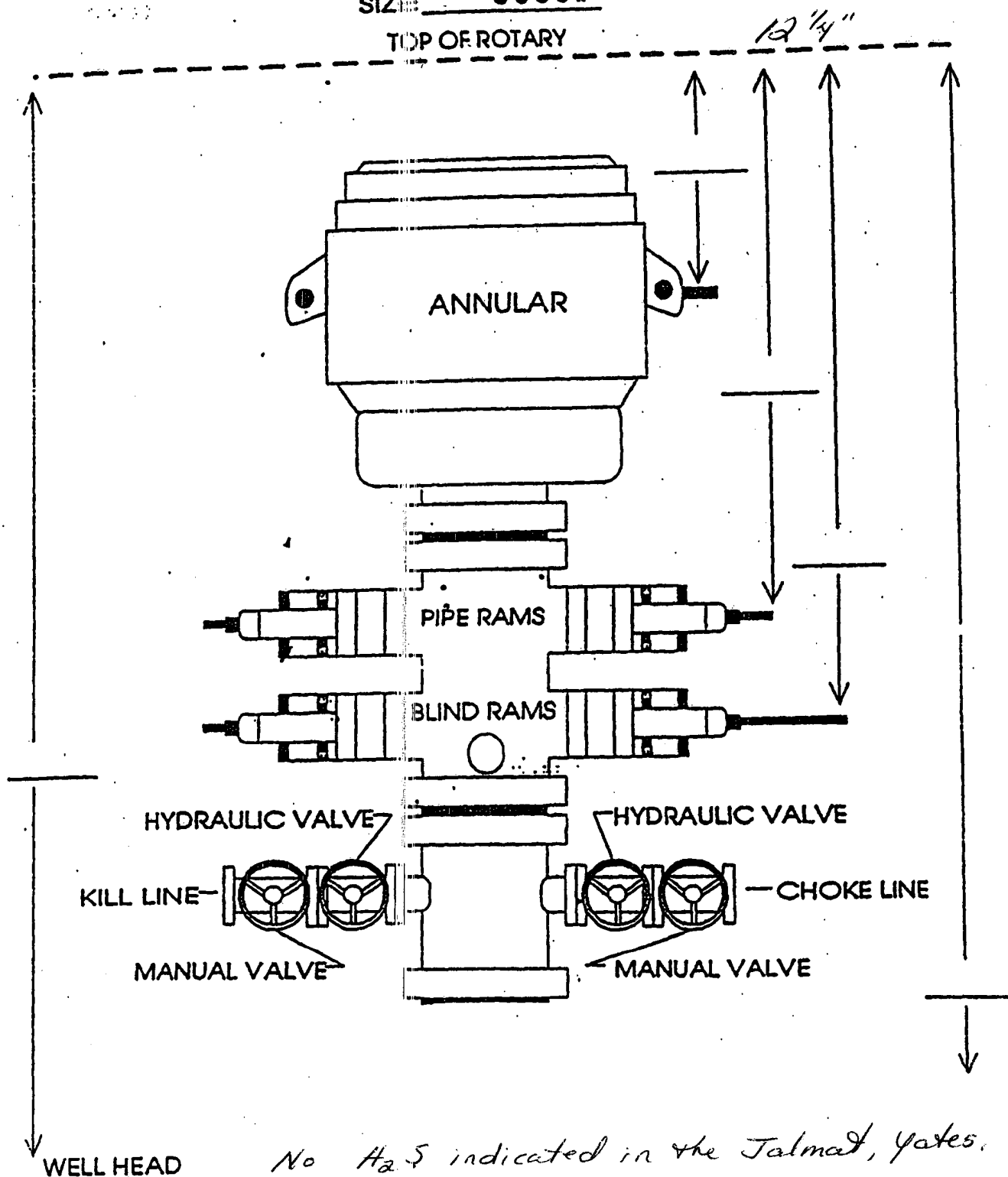
EXHIBIT A

B.O.P. STACK SPACING

SIZE: 3000#

TOP OF ROTARY

12 1/4"



WELL HEAD

No H₂S indicated in the Talmat, Yates.

WELL JFSYU #214

CONTRACTOR

United Drtg