

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

NOV 19 2007

☐ AMENDED REPORT
☐ Permit renewal request



OCD-ARTESIA

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

¹ Operator Name and Address: Rubicon Oil & Gas, LLC, P.O. Box 2064, Midland, TX 79702		² OGRID Number: 194266
³ Property Code	⁴ Property Name Lakewood 33	⁵ API Number 30-015-35944
⁹ Proposed Pool 1: Wildcat, Morrow (Gas)		¹⁰ Proposed Pool 2

7 Surface Location									
UL or lot no D	Section 33	Township 19S	Range 26E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line West	County Eddy

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

Additional Well Information

¹¹ Work Type Code New Well	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code Private	¹⁵ Ground Level Elevation 3291'
¹⁶ Multiple No	¹⁷ Proposed Depth 9950'	¹⁸ Formation Morrow	¹⁹ Contractor TBD	²⁰ Spud Date 12-10-07
Depth to Groundwater: 90'		Distance from nearest fresh water well: approx 900'		Distance from nearest surface water: none
²¹ Pit: Liner: Synthetic: X 12_mils thick Clay <input type="checkbox"/> Pit Volume: 5000_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	350'	390 sx	Surface
12 1/4"	9 5/8"	36#	1600'	700 sx	Surface
8 3/4"	4 1/2"	11 6#	9950'	1850 sx	1400'

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.

Mud Program: 0-350', MW 8.4-9 PPG FW native spud mud. 350-7500', MW 8.4-8.6 PPG FW, 7500-9800' MW 8.8-9.4 Cut Brine, KCD Polymer.

BOPE: Diagram attached for 3000 psi hydraulic BOP.

H2S: no H2S seen in immediate area. Will have minimum compliance package set up prior to drilling out of 5/8" casing. 9

NOTIFY OCD OF SPUD &
TIME TO WITNESS
CEMENTING OF SURFACE &
INTERMEDIATE CASING

Fresh Water Mud to 9 5/8" setting depth

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 <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL C	
Printed name: Ann E. Ritchie		Approved by: BRYAN G. ARANT	
Title: Regulatory Agent		Title: DISTRICT II GEOLOGIST	
E-mail Address: ann.ritchie@wtor.net		Approval Date: DEC 04 2007 Expiration Date: DEC 04 2008	
Date: 11-14-07	Phone: 432 684-6381/683-6565	Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35944	Pool Code 96070	Pool Name Wildcat; Morrow (Gas)
Property Code 36863	Property Name LAKEWOOD 33	Well Number 33-1
OGRID No. 194266	Operator Name RUBICON OIL AND GAS, LLC	Elevation 3291'

Surface Location

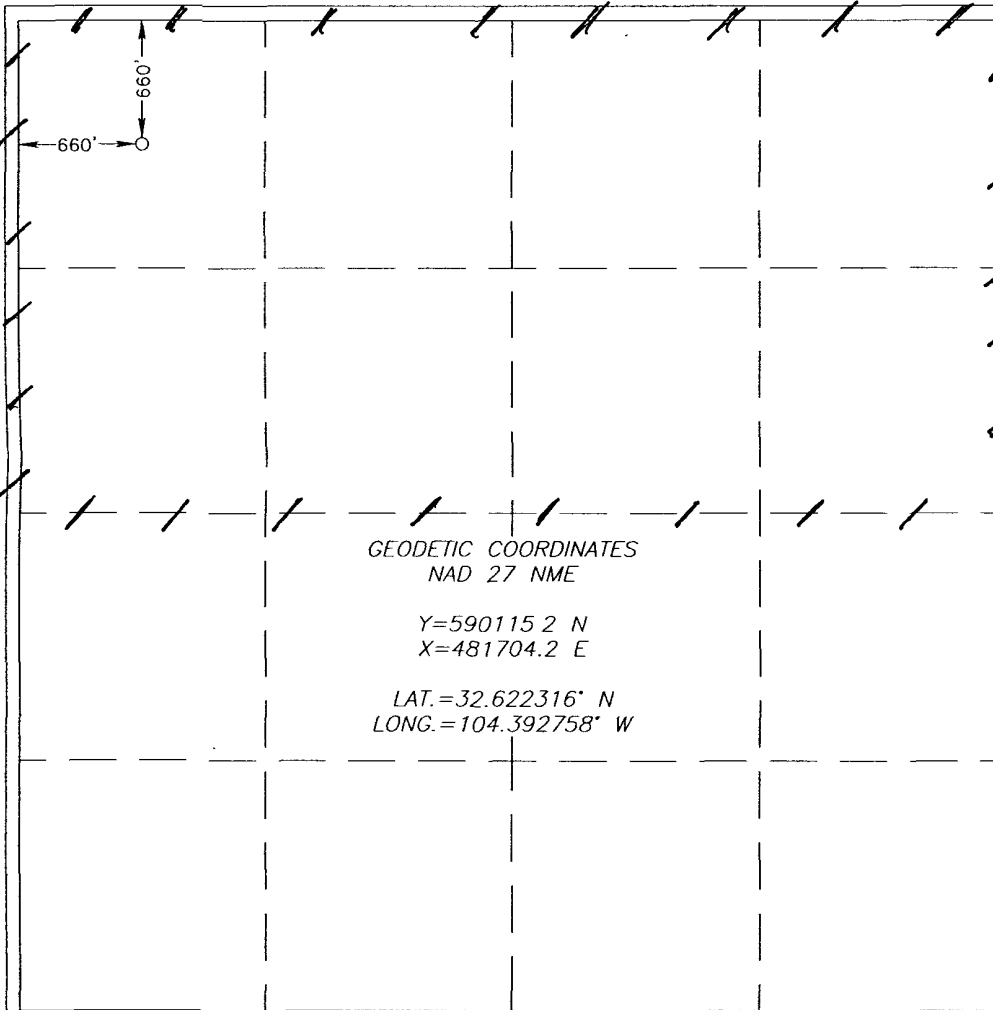
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	19-S	26-E		660	NORTH	660	WEST	EDDY

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.
320			

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 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

HAL LEE 11/8/2007
Signature Date

HAL LEE AGENT
Printed Name Ops MGR

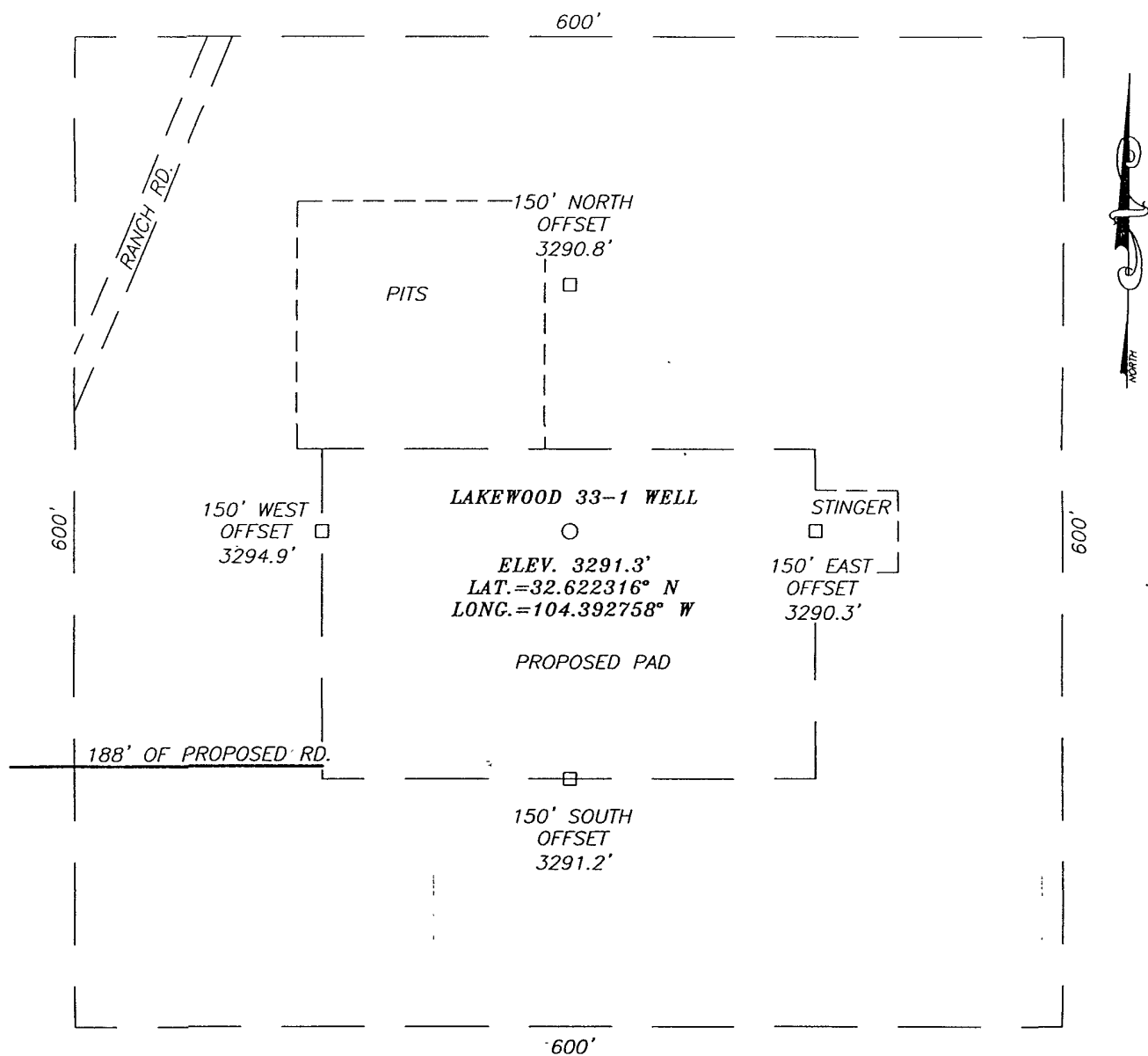
SURVEYOR CERTIFICATION

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.

RONALD J. EIDSON 12/6/2007
Date Surveyed AR
Signature & Seal of Professional Surveyor
3239
RONALD J. EIDSON

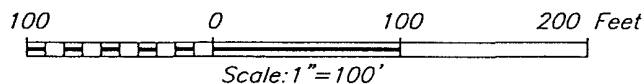
Certificate No. **12641**
RONALD J. EIDSON 3239

SECTION 33, TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

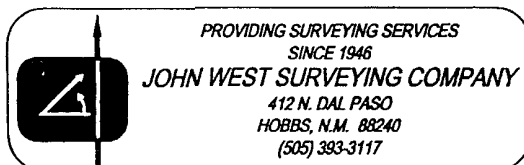
FROM THE INTERSECTION OF U.S. HWY. #285 (SEVEN RIVERS HWY.) AND CO. RD. #31 (LAKEWOOD ROAD), GO SOUTH ON U.S. HWY. #285 APPROX. 1.0 MILE. TURN LEFT AND GO EAST APPROX. 0.5 MILES. VEER RIGHT AND CONTINUE SOUTH APPROX. 0.5 MILES. TURN LEFT AT CATTLE GUARD AND GO EAST APPROX. 0.2 MILES. TURN LEFT AND GO APPROX. 0.4 MILES TO STAKED ROAD. TURN RIGHT AND GO EAST APPROX. 188 FEET TO SOUTHWEST CORNER PAD.



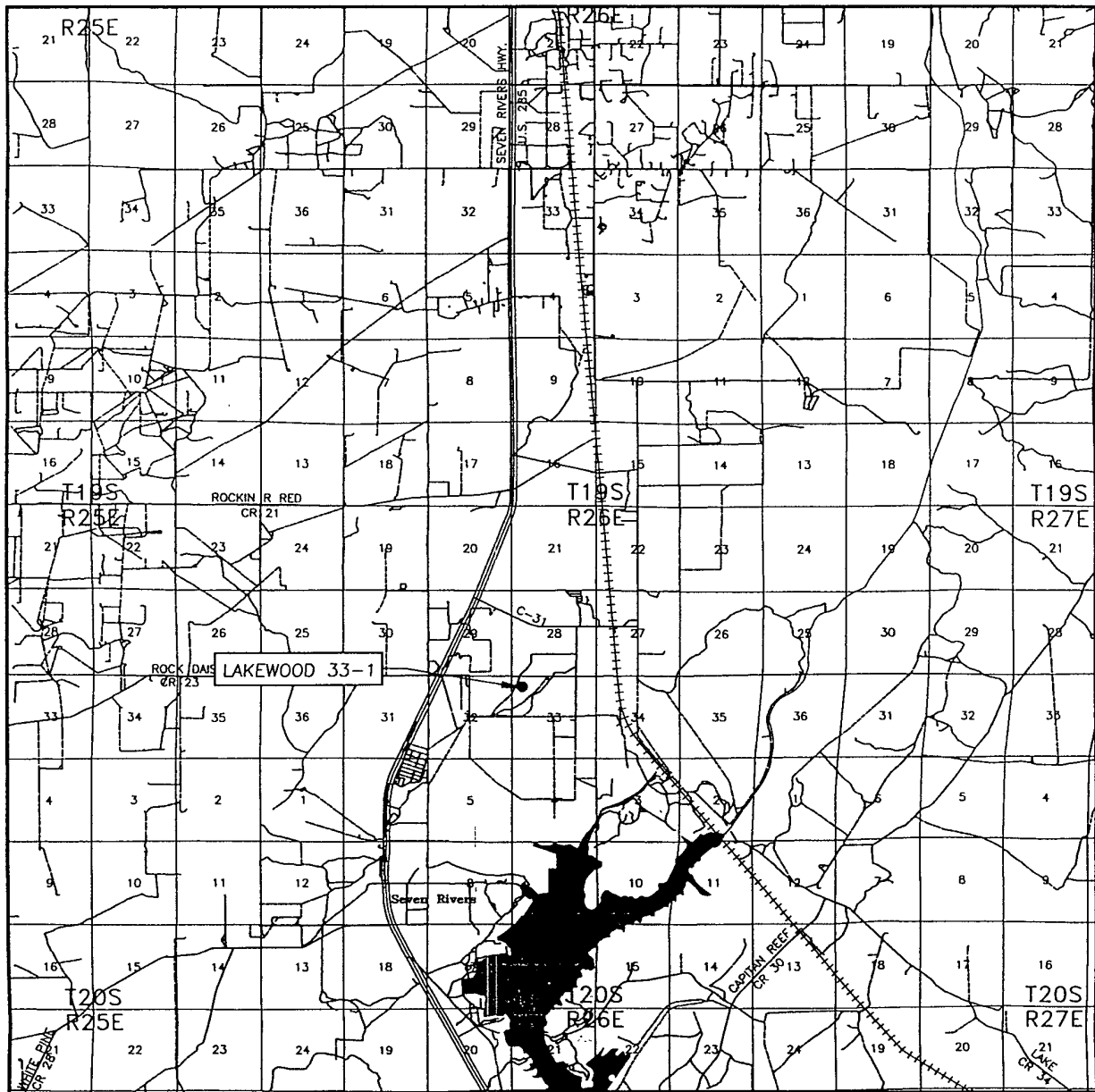
RUBICON OIL AND GAS, LLC

LAKEWOOD 33-1 WELL
LOCATED 660 FEET FROM THE NORTH LINE
AND 660 FEET FROM THE WEST LINE OF SECTION 33,
TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Survey Date: 6/11/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.0734	Dr By: AR
Date: 6/15/07	Disk: 07110734
	Rev 1: N/A
	Scale: 1"=100'



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 19-S RGE. 26-E

SURVEY N.M.P.M.

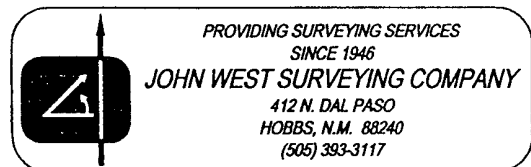
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 660' FNL & 660' FWL

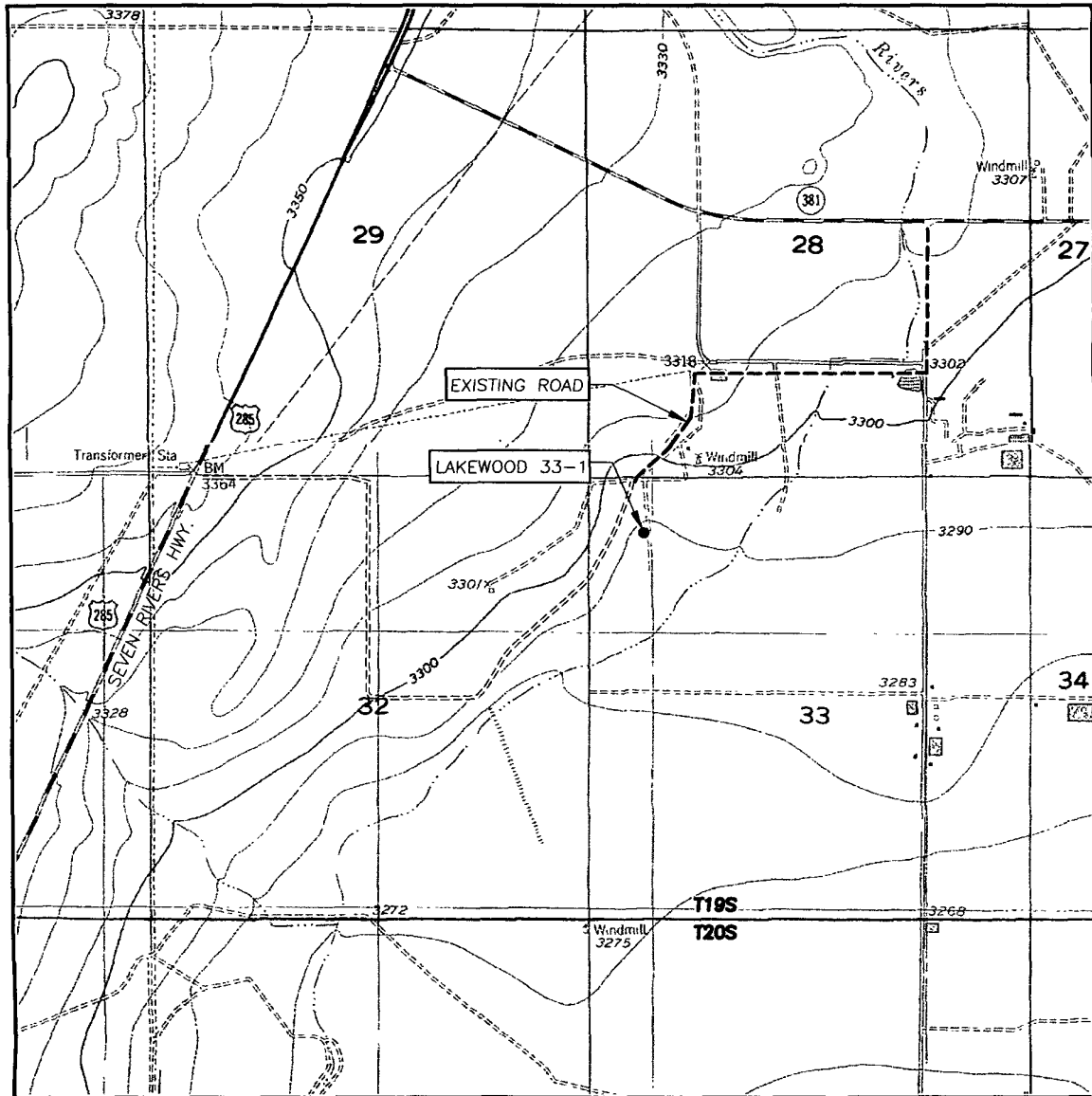
ELEVATION 3291'

OPERATOR RUBICON OIL AND GAS, LLC

LEASE LAKWOOD



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
SEVEN RIVERS, N.M. - 10'

SEC. 33 TWP. 19-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

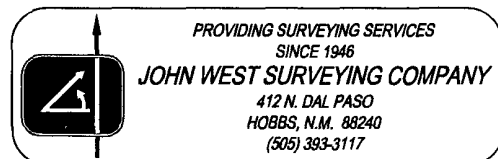
DESCRIPTION 660' FNL & 660' FWL

ELEVATION 3291'

OPERATOR RUBICON OIL AND GAS, LLC

LEASE LAKEWOOD

U.S.G.S. TOPOGRAPHIC MAP
SEVEN RIVERS, N.M.

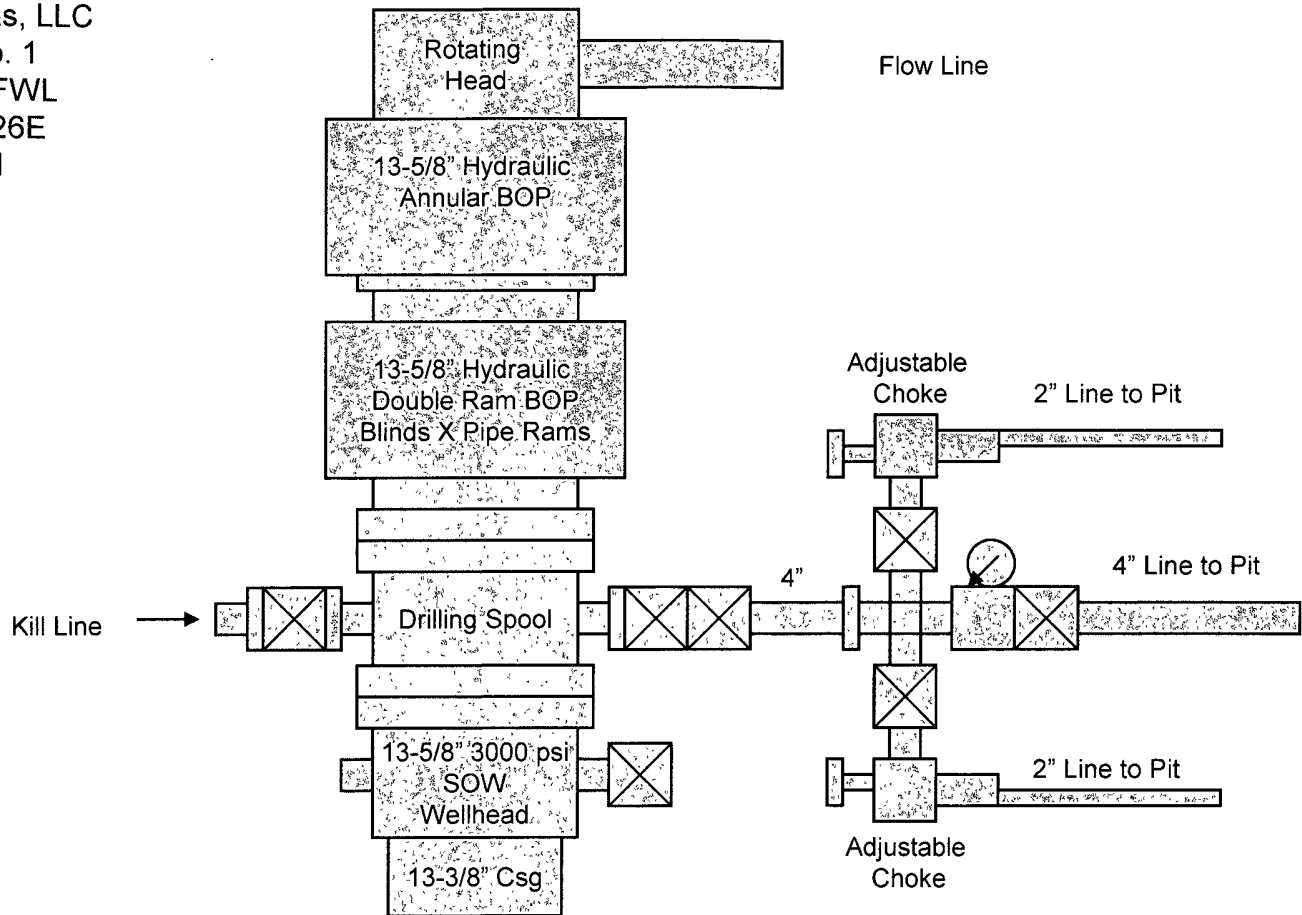


PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

Rubicon Oil & Gas, LLC
Lakewood 33 No. 1
660' FNL & 660' FWL
Sec 33, T19S, R26E
Eddy County, NM



3000 psi Working Pressure
BOPE Configuration
And Choke Manifold

Exhibit " ____ "

Rubicon Oil & Gas, LLC
Lakewood Prospect

KB: XXXX'
GL: 3291'

660' FNL & 660' FWL
Sec. 33, T19S, R26E, UL D
Eddy County, NM

Lakewood 33-1
Eddy County, New Mexico
Proposed Wellbore
30-015-XXXX

TD'd: NA
Spud: 12/10/2007

