

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

JUN 25 2008

OCD-ARTESIA

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

<sup>1</sup> Operator Name and Address Rubicon Oil & Gas, LLC 508 W. Wall St. Ste 500 Midland, TX 79701		<sup>2</sup> OGRID Number 194266
<sup>3</sup> Property Code 37238	<sup>4</sup> Property Name Lakewood 28	<sup>5</sup> API Number 30-015-36400
<sup>9</sup> Proposed Pool 1 Lakewood Morrow		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	Feet from the	East/West line	County
L	28	19S	26E		1600	South	660	WEST	EDDY

<sup>8</sup> 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

<sup>11</sup> Work Type Code NEW WELL	<sup>12</sup> Well Type Code GAS	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code PRIVATE	<sup>15</sup> Ground Level Elevation 3316'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 9,950'	<sup>18</sup> Formation MORROW	<sup>19</sup> Contractor TBD	<sup>20</sup> Spud Date 6/30/2008
Depth to Groundwater <sup>95'</sup>		Distance from nearest fresh water well 800'		Distance from nearest surface water 1000'
<sup>Pit:</sup> Liner: Synthetic X <sup>12</sup> mil thick Clay <input type="checkbox"/> Bit: 5000 lbs 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"/>				

<sup>21</sup> 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	Surface
12-1/4"	9-5/8"	36	1600'	700	Surface
8-3/4"	4-1/2"	11.6	9950'	1850	<del>Surface</del> 1100'

<sup>22</sup> 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 8.4-9.0 ppg FW Native spud mud, 350-7500' MW 8.4-8.6 ppg FW, 7500'-9800' MW 8.8-9.4 ppg Cutbrine w/ starch/polymer

BOPE - Diagram attached, Wellbore Diagram attached

H2S - No H2S seen in immediate area. Will have minimum compliance package setup prior to drilling out of 9-5/8" casing.

NOTE: NEW PIT RULE  
19-15-17 NMAC PART 17  
A form C-144 must be approved  
before starting drilling operations.

<sup>23</sup> 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 ☒ a general permit ☐, or an (attached) alternative OCD approved plan ☐.

Signature:

Printed name: Hal Lee

Title: Agent / Operations Manger

E-mail Address: hal@adventure-energy.com

Date: 6/18/2008

Phone: 432-683-6565

Approved by:

Title:

Approval Date: 6/26/08

Expiration Date: 6/26/10

Conditions of Approval Attached ☐



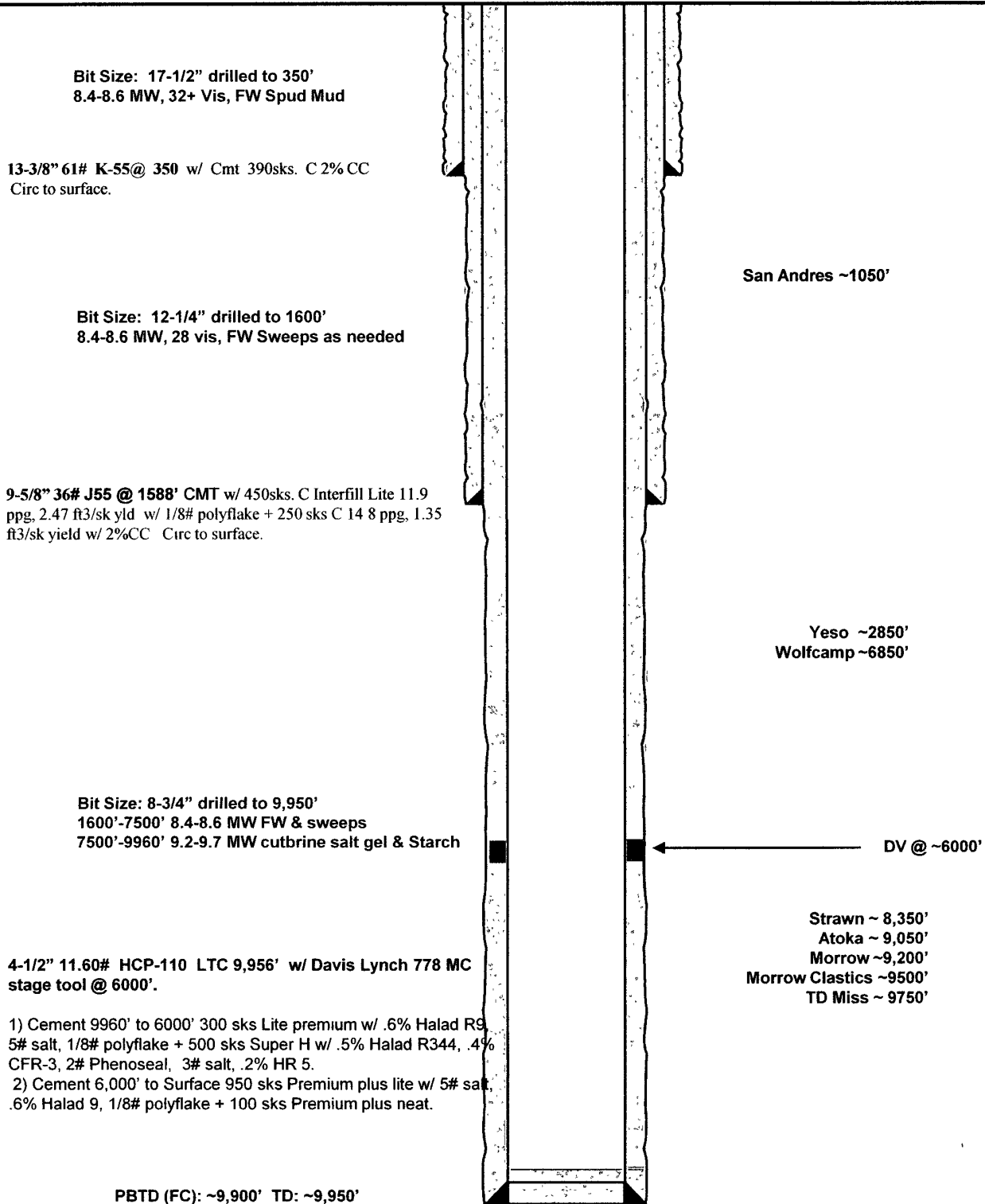
**Rubicon Oil & Gas, LLC  
Lakewood Prospect**

**KB: XXXX'  
GL: 3316'**

**1600' FSL & 660' FWL  
Sec. 28, T19S, R26E, UL L  
Eddy County, NM**

**Lakewood 28-1  
Eddy County, New Mexico  
Proposed Wellbore  
30-015-XXXXX**

**TD'd: XXX/2008  
Spud: 6/29/2008**



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State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-36400</b>	Pool Code <b>97658</b>	Well Name <b>Wc; Lakewood, Morrow G</b>
Property Code <b>37238</b>	Property Name <b>LAKEWOOD "28"</b>	Well Number <b>1</b>
GRID No. <b>194266</b>	Operator Name <b>RUBICON OIL AND GAS, LLC</b>	Elevation <b>3316'</b>

Surface Location

UL or lot No. <b>L</b>	Section <b>28</b>	Township <b>19 S</b>	Range <b>26 E</b>	Lot Idn	Feet from the <b>1600</b>	North/South line <b>SOUTH</b>	Feet from the <b>660</b>	East/West line <b>WEST</b>	County <b>EDDY</b>
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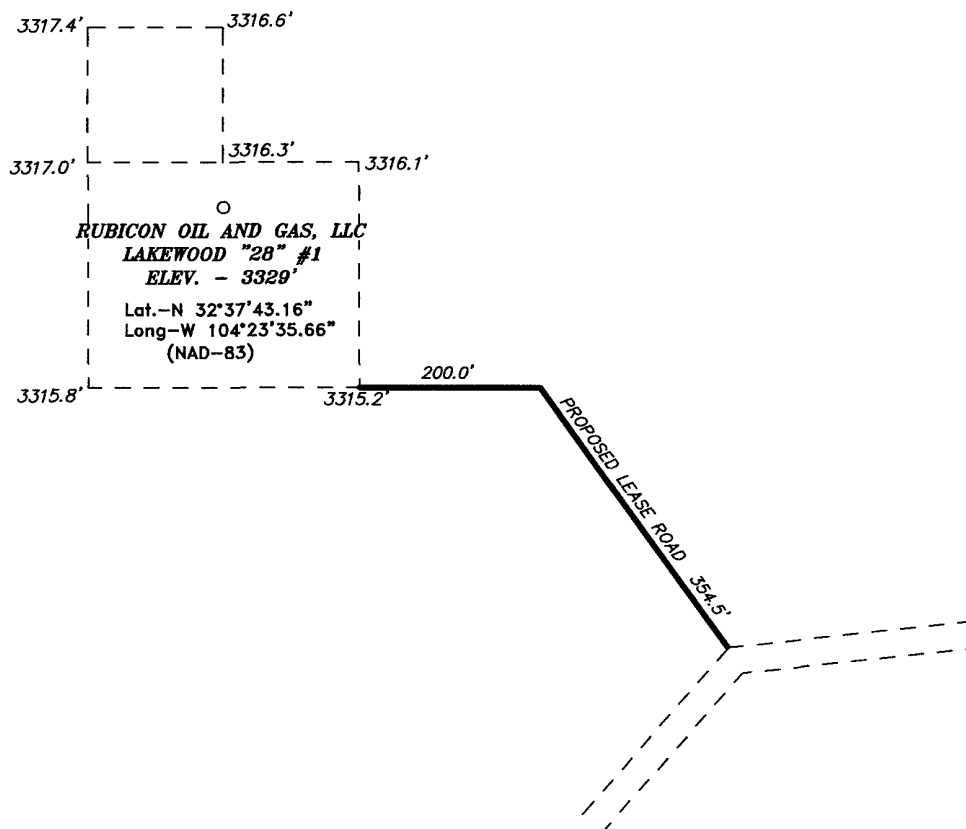
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>320</b>		Joint or Infill	Consolidation Code	Order No.					

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

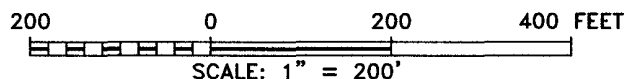
<p><b>SURFACE LOCATION</b> Lat - N32°37'43.16" Long - W104°23'35.66" NMSPEC - N 592440.624 E 522895.569 (NAD-83)</p>	<b>OPERATOR CERTIFICATION</b>  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location 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 6-19-08 Date  Ann Ritchie, Agent Printed Name
	<b>SURVEYOR CERTIFICATION</b>  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.  JUNE 11, 2008 Date Surveyed  Signature Professional Surveyor  Certificate No. Gary L. Jones 7977  BASIN SURVEYS

SECTION 28, TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF HWY 285 AND CO. RD. 31;  
GO NORTH 0.7 MILES TO #3 LOCATION, GO EAST TO  
OLD COUNTY ROAD, GO SOUTH 0.3 MILES TO LEASE  
ROAD, ON LEASE ROAD GO WEST 0.2 MILES TO THE  
#2 LOCATION AND WEST 0.2 MILES TO THE  
PROPOSED LEASE ROAD.



**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 19705 Drawn By: J. SMALL

Date: 06-13-2008 Disk: JMS 19705

**RUBICON OIL AND GAS, LLC**

REF: LAKEWOOD "28" #1 / WELL PAD TOPO

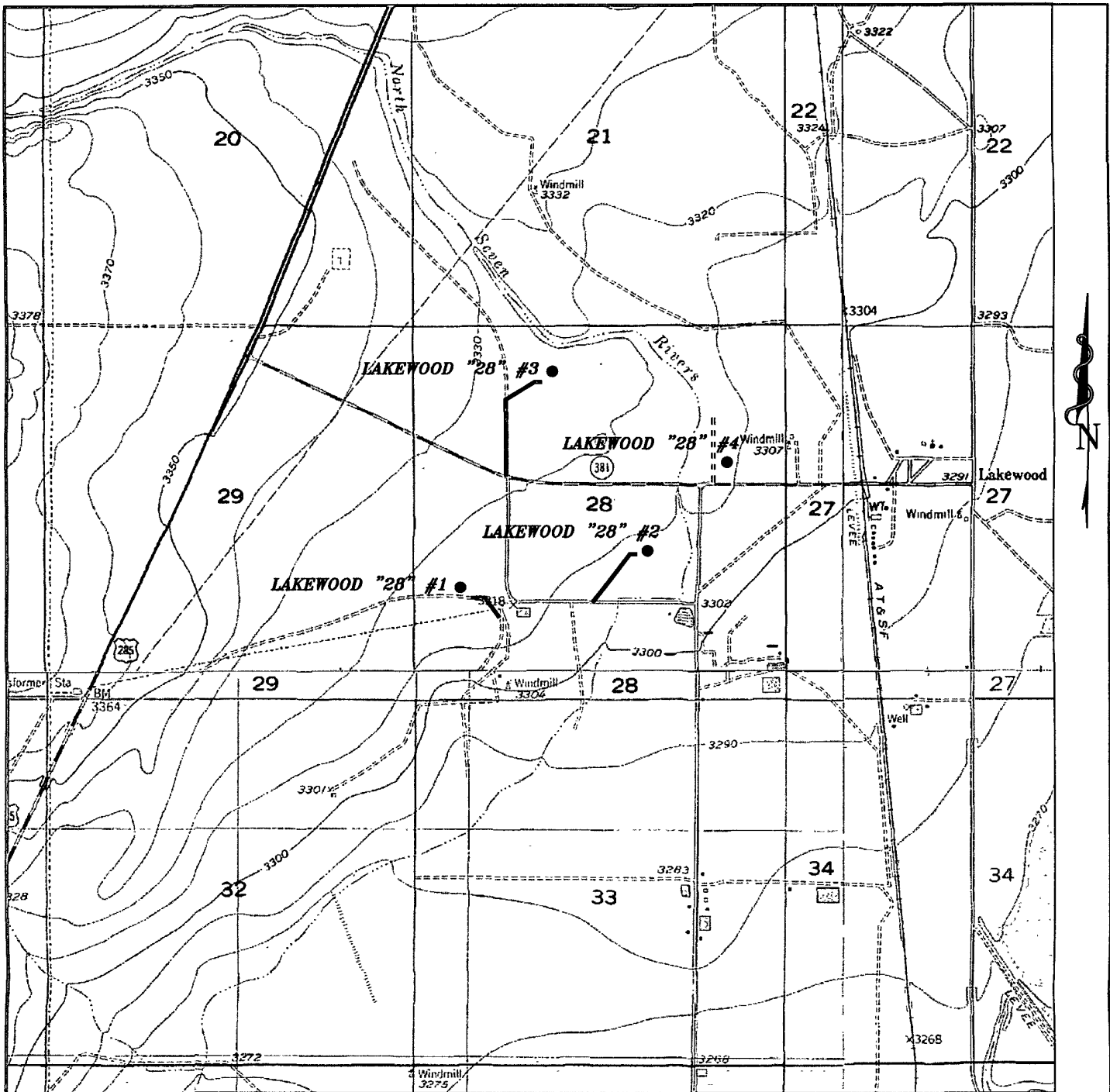
THE LAKEWOOD "28" #1 LOCATED 1600'

FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF

SECTION 28, TOWNSHIP 16 SOUTH, RANGE 26 EAST,

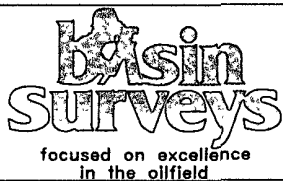
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 06-11-2008 Sheet 1 of 1 Sheets



# **LAKEWOOD "28" #1**

Located 1600' FSL and 660' FWL  
 Section 28, Township 19 South, Range 26 East,  
 N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

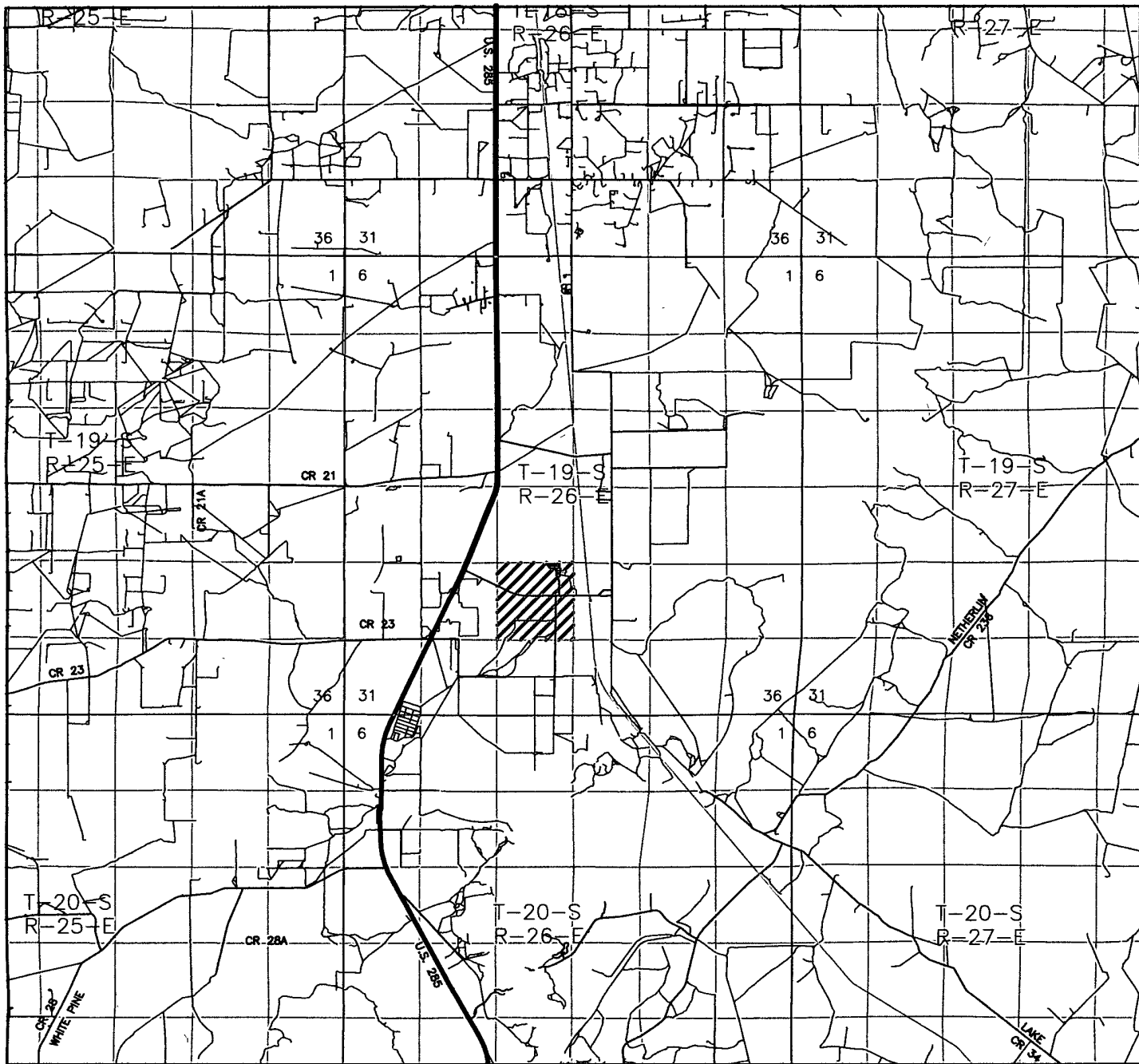
W.O. Number: JMS 19705

Survey Date: 06-11-2008

Scale: 1" = 2000'

Date: 06-13-2008

**RUBICON OIL  
 AND GAS, LLC**



# LAKEWOOD "28" #1

Located 1600' FSL and 660' FWL

Section 28, Township 19 South, Range 26 East,  
N.M.P.M., Eddy County, New Mexico.



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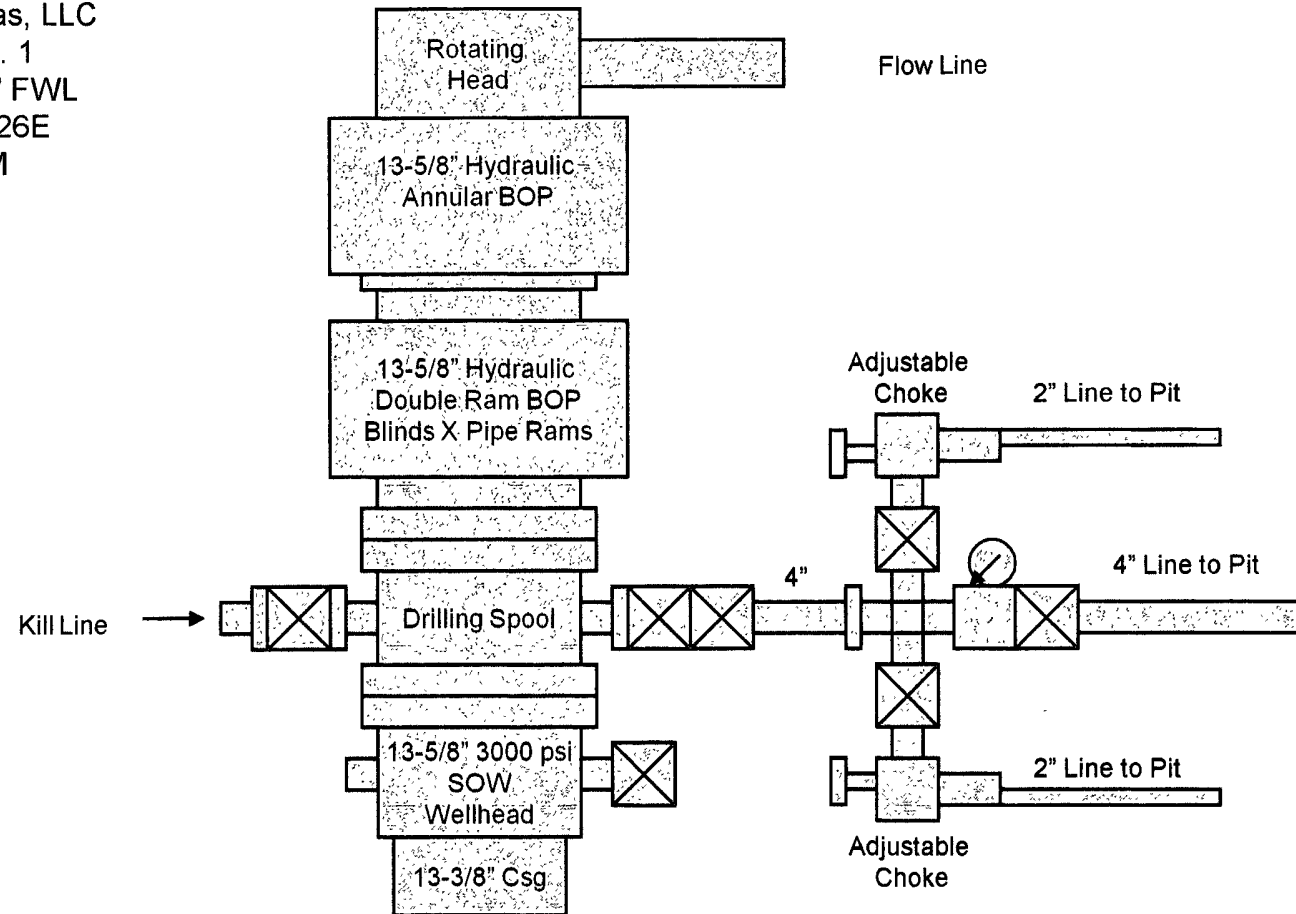
Survey Date: 06-11-2008

Scale: 1" = 2 MILES

Date: 06-13-2008

**RUBICON OIL  
AND GAS, LLC**

Rubicon Oil & Gas, LLC  
Lakewood 28 No. 1  
1600' FSL & 660' FWL  
Sec 28, T19S, R26E  
Eddy County, NM



3000 psi Working Pressure  
BOPE Configuration  
And Choke Manifold

Exhibit " \_\_\_\_ "

# Hydrogen Sulfide Drilling Operations Plan

For

Rubicon Oil & Gas, LLC

Lakewood 28, Well #1, Sec 28, T19S, R26E

Lakewood Morrow

Eddy County, New Mexico

## ONE: Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted or employed on an unscheduled basis has or will receive training from qualified instructors in the following areas prior to working on the drilling operations on this well:

- The hazards & characteristics of H<sub>2</sub>S

- The proper use & maintenance of personal protective equipment and Life support systems;

- The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures & prevailing winds; and,

- The proper techniques of first aid and rescue contact procedures

In addition, the supervisory personnel will be trained in the following areas:

- The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.

- Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.

- The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan.

There will be an initial training session just prior to encountering a known or probable H<sub>2</sub>S zone (within 3 days or 500') and periodic H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session should include a review of the site specific Drilling Operations Plan. This plan is to be available at the well site.

## TWO: H<sub>2</sub>S Safety Equipment and Systems

NOTE: All H<sub>2</sub>S safety equipment and systems will be installed, tested and operational when drilling reaches a depth of 500 feet above, or three days prior to penetration of a known zone containing or reasonably expected to contain H<sub>2</sub>S.

### 1. Well Control Equipment:

- Flare line with flare igniter;

- Choke manifold with one remote hydraulic choke installed;

- Blind rams & pipe rams to accommodate all pipe sizes with properly sized closing unit;

- Auxiliary equipment to include an Annular Preventer.