

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

Operator Name and Address RKI EXPLORATION & PRODUCTION, LLC. 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY, OKLAHOMA 73112		2 OGRID Number 246289
Property Code 303271		3 API Number 30 - 015-36065
Property Name PINNACLE STATE		Well No. 19
Proposed Pool 1 HERRADURA BEND-DELAWARE EAST (30670)		Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North-South line	Feet from the	East/West line	Country
E	36	22S	28E		2470'	NORTH	820'	WEST	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	Country

Additional Well Information

11 Work Type Code N	12 Well Type Code O	13 Cable/Rotary ROTARY	14 Lease Type Code S	15 Ground Level Elevation 3128'
16 Multiple NO	17 Proposed Depth 7120'	18 Formation BONE SPRING	19 Contractor TEACO DRILLING	20 Spud Date WHEN APPROVED
Depth to Groundwater Less than 100'		Distance from nearest fresh water well unknown		Distance from nearest surface water Pecos river 2 miles Southwest
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" 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
26"	20"	.53#	80'	Redi-mix	Surface
12 1/4"	9 5/8"	36#	400'	155 Sx.	Surface
7 7/8"	5 1/2"	17#	7120'	675 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.

SEE ATTACHED SHEET

Drill Only - NSL required to Produce

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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by: BRYAN G. ARRANT DISTRICT II GEOLOGIST	
Title: PERMIT Engineer		Approval Date: JAN 29 2008 Expiration Date: JAN 29 2010	
E-mail Address: joejanica@valornet.com			
Date:	Phone: 505-391-8503	Conditions of Approval Attached <input type="checkbox"/>	

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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	Pool Code 30670	Pool Name HERRADURA BEND-DELAWARE EAST
Property Code 303271	Property Name PINNACLE STATE	Well Number 19
OGRID No. 246289	Operator Name RKI EXPLORATION & PRODUCTION	Elevation 3128'

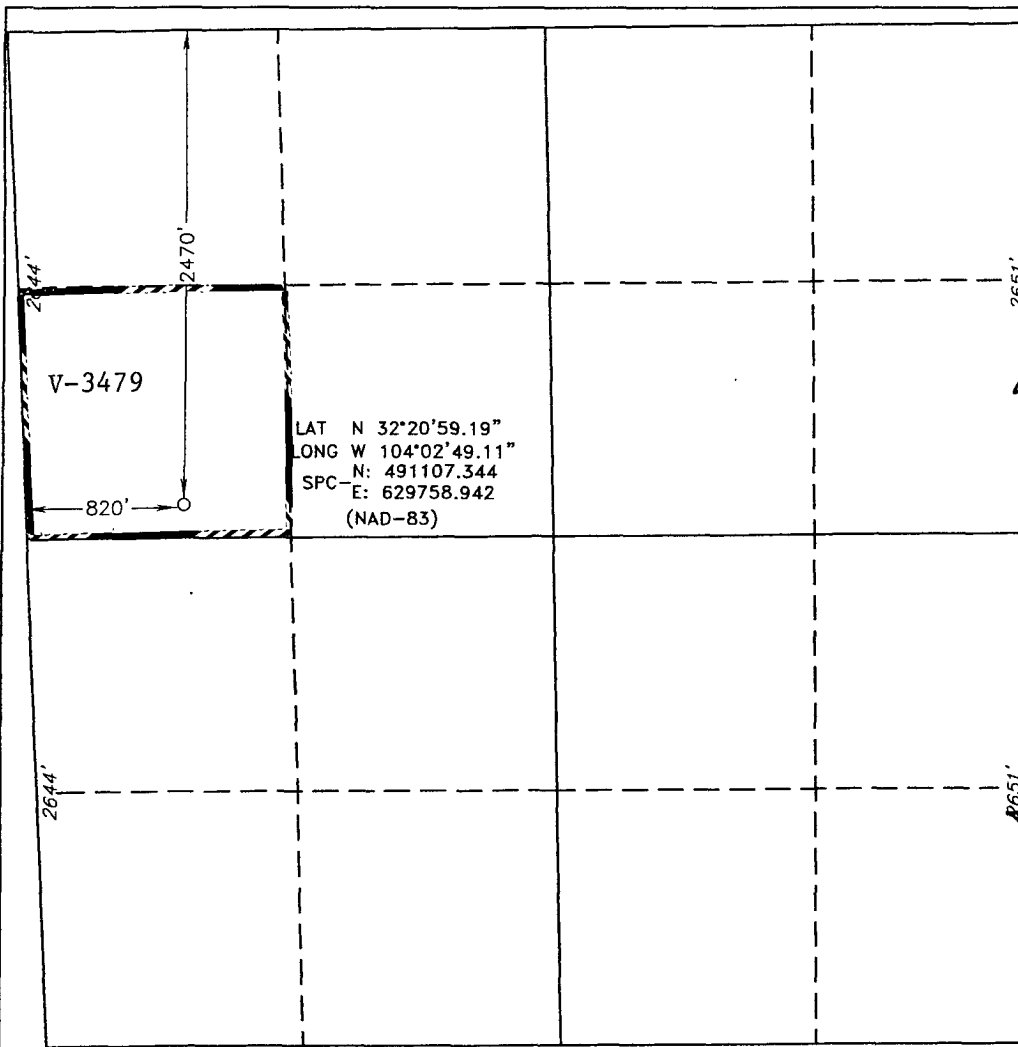
**Surface Location**

UL or lot No. E	Section 36	Township 22 S	Range 28 E	Lot Idn	Feet from the 2470	North/South line NORTH	Feet from the 820	East/West line WEST	County EDDY
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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 40	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>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>Joe T. Janica</i> Signature Date 12/12/2007 Joe T. Janica Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p><i>GARY L. JONES</i> Date Surveyed 7977 Signature &amp; Seal of Professional Surveyor W.O. No. 18817 Certificate No. Gary L. Jones 7977 BASIN SURVEYS</p>
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1. Drill a 26" hole to 80'. Set 80' of 20" 53# conductor pipe and cement to surface with Redi-mix.

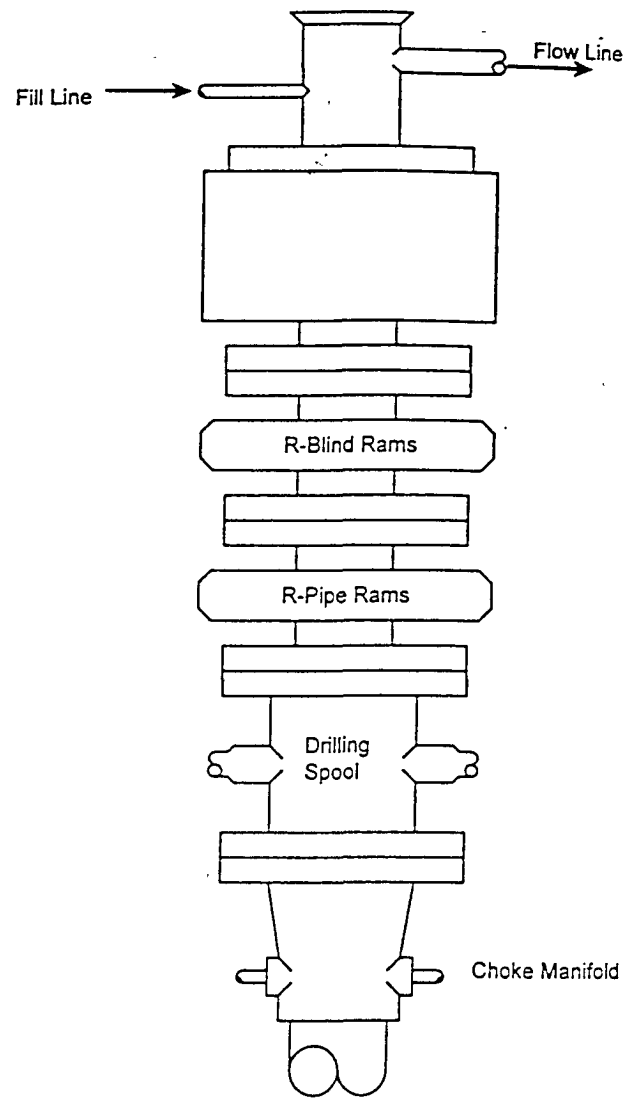
400'

400'

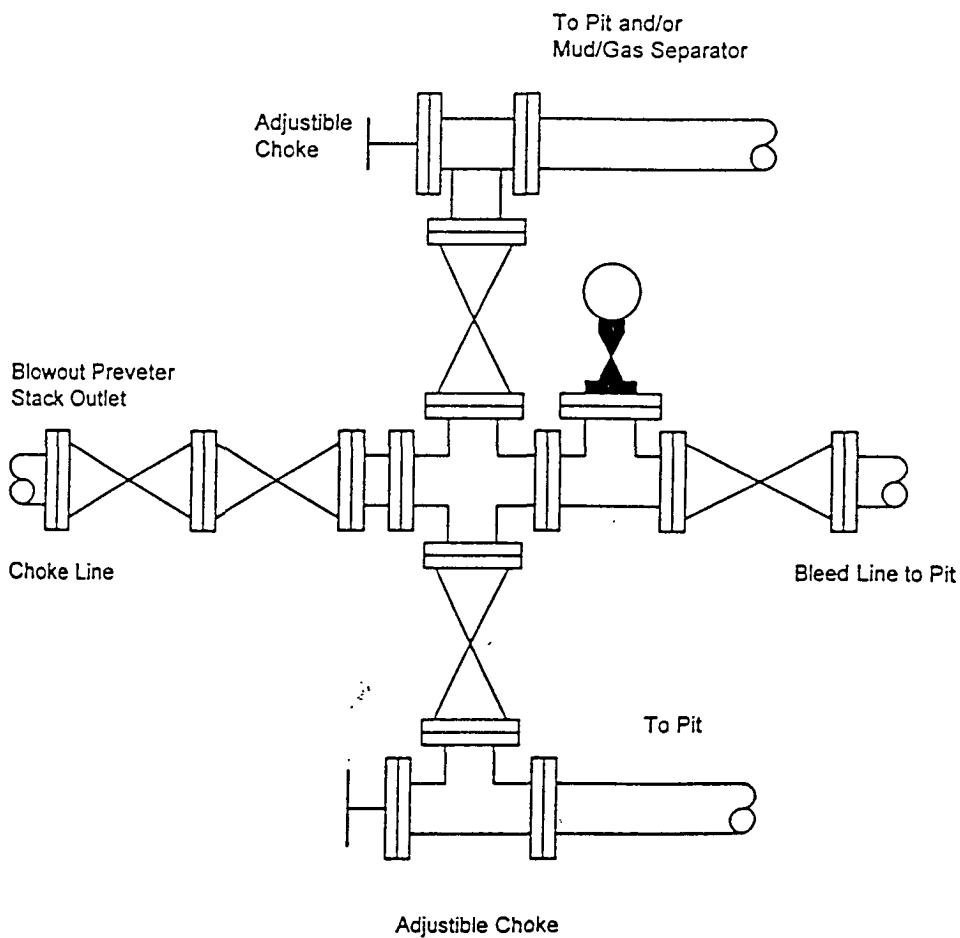
2. Drill 12½" hole to 400'. Run and set 400' of 9 5/8" 36# J-55 ST&C CASING. Cement with 160 Sx. of Class "C" cement + 2% CaCl + ¼# Flocele/Sx (Yield 1.34) circulate cement to surface.
3. Drill 7 7/8" hole to 7120±'. Run and set 7120' of 5½" 17# J-55 ST&C casing. Cement in two stages with the DV Tool at 4000±'. Cement 1st stage with 210 Sx. of Class "C" cement + additives (Yield 2.47). Tail in with 140 Sx of Class "C" cement + additives, (Yield 1.3). Cement 2nd stage with 200 Sx. of Class "C" cement + additives (Yield 2.47). Tail in with 125 Sx. of Class "C" cement + additives (Yield 1.30). Circulate cement to surface.
4. Cement volumes on both strings of pipe may have to be re-calculated after the open hole logs have been run and volumes re-calculated from caliper logs.
5. Fresh water mud will be used to drill the surface hole and saturated brine water will be used to drill the 7 7/8" hole in order to reduce washing out the salt formation.
6. The Bureau of Land Management does not have any records of the presence of H<sub>2</sub>S in this area. RKI Exploration & Production, LLC. has drilled wells in this area and have not encountered any H<sub>2</sub>S while drilling their wells.

# BLOWOUT PREVENTER SYSTEM

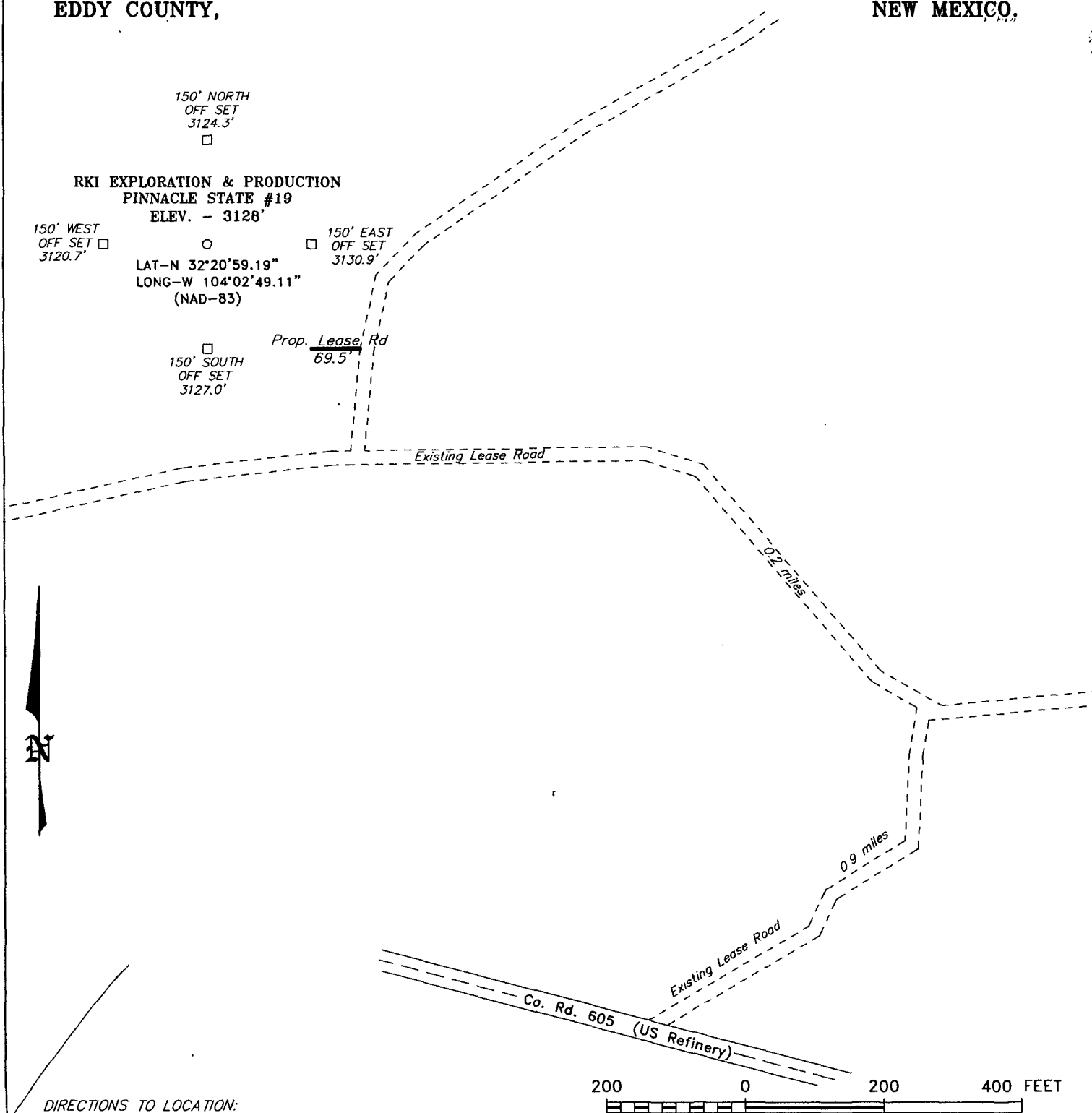
3000 PSI



Choke Manifold Assembly for 5M WP System



SECTION 36, TOWNSHIP 22 SOUTH, RANGE 28 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO,



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF CO. RD. 605 (US REFINERY RD) AND STATE HWY 31, GO NORTHWEST ON CO. RD. 605 FOR APPROX. 1.9 MILES TO A LEASE ROAD; THENCE NORTHEAST ON LEASE ROAD FOR APPROX. 0.9 MILES; THENCE NORTHWESTERLY FOR APPROX. 0.2 MILES TO PROPOSED LEASE ROAD.

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

W.O. Number: 18817

Drawn By: J. M. SMALL

Date: 12-04-2007

Disk: KJG 18817W.DWG

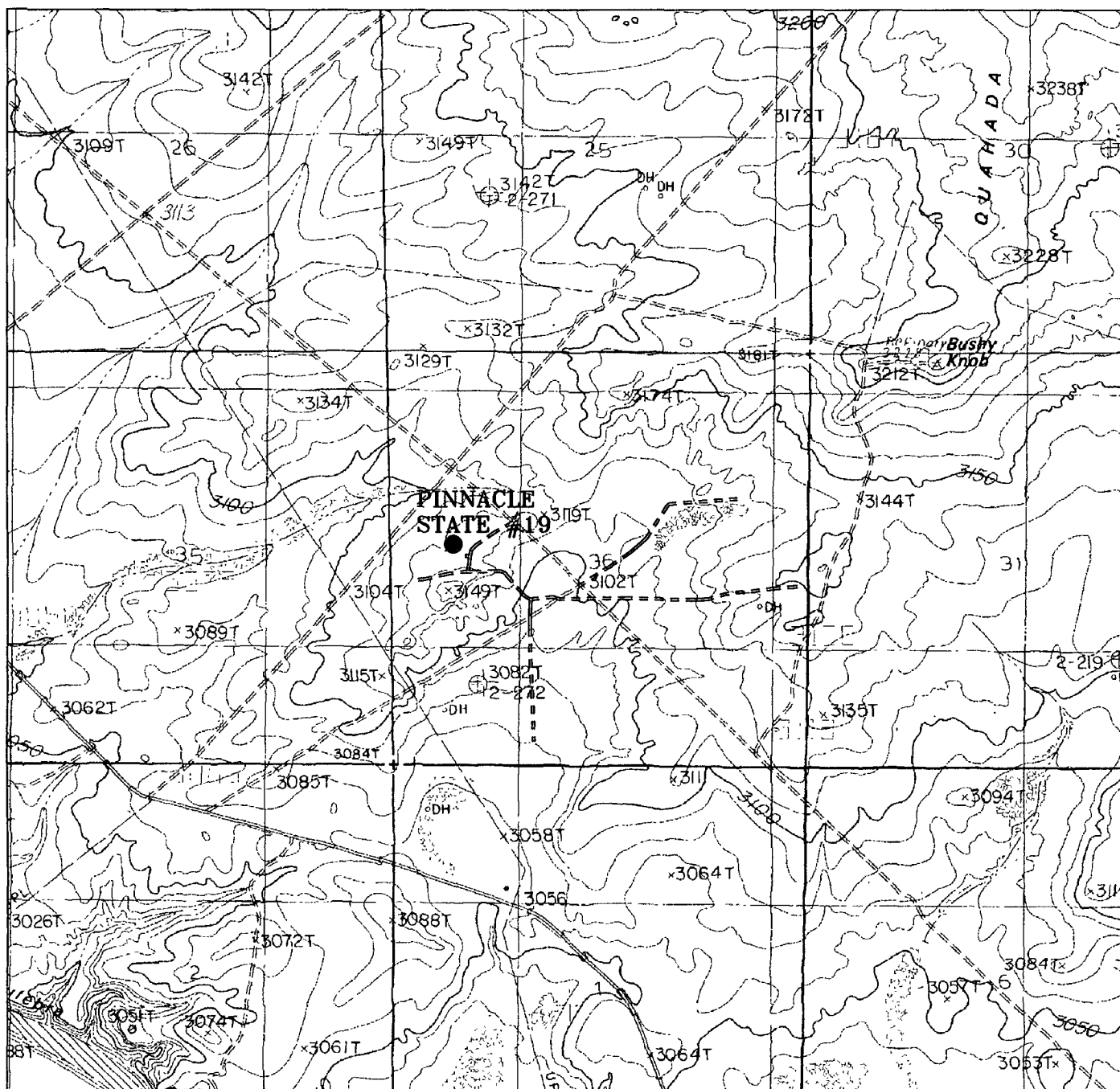
**RKI EXPLORATION & PRODUCTION**

REF: PINNACLE STATE #19 / Well Pad Topo

THE PINNACLE STATE #19 LOCATED 2470' FROM  
THE NORTH LINE AND 820' FROM THE WEST LINE OF  
SECTION 36, TOWNSHIP 22 SOUTH, RANGE 28 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 11-26-2007

Sheet 1 of 1 Sheets



## PINNACLE STATE #19

Located at 2470' FNL AND 820' FWL  
Section 36, Township 22 South, Range 28 East,  
N.M.P.M., Eddy County, New Mexico.

**basin**  
**surveys**

focused on excellence  
in the oilfield

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

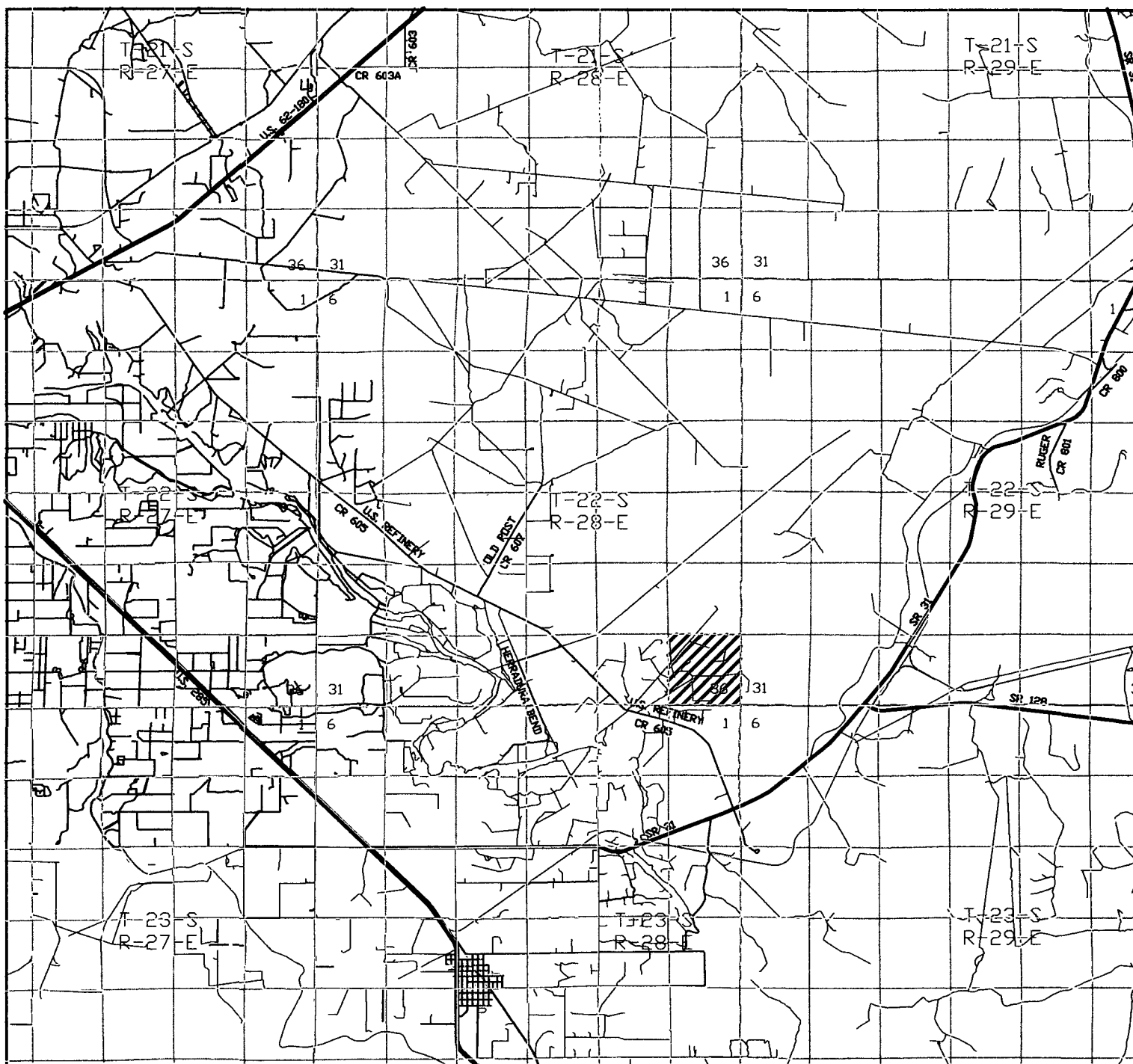
W.O. Number: 18817T

Survey Date: 11-26-2007

Scale: 1" = 2000'

Date: 12-04-2007

RKI  
**EXPLORATION &  
PRODUCTION**



# PINNACLE STATE #19

Located at 2470' FNL and 820' FWL  
 Section 36, Township 22 South, Range 28 East,  
 N.M.P.M., Eddy County, New Mexico.

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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: KJG 18817TR.DWG  
 Survey Date: 11-26-2007  
 Scale: 1" = 2 MILES  
 Date: 12-04-2007

*RKI*  
**EXPLORATION &  
 PRODUCTION**