

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 <b>Ridgeway AZ Oil Corp.</b>		OGRID Number <b>164557</b>
Property Code <b>0</b>	Property Name <b>36252</b>	API Number <b>30-003-20032</b>
<b>WILHELM STATE</b>		Well No. <b>1-10-21</b>
Proposed Pool 1		Proposed Pool 2

Surface Location

UL or lot no <b>D</b>	Section <b>10</b>	Township <b>1N</b>	Range <b>21W</b>	Lot Idn <b>D</b>	Feet from the <b>349'</b>	North/South line <b>North</b>	Feet from the <b>867'</b>	East/West line <b>West</b>	County <b>Catron</b>
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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

Work Type Code <b>N</b>	Well Type Code <b>C</b>	Cable/Rotary <b>Rotar</b>	Lease Type Code <b>S</b>	Ground Level Elevation <b>6794</b>
Multiple <b>16</b>	Proposed Depth <b>2300'</b>	Formation <b>ABO</b>	Contractor <b>United</b>	Spud Date <b>1-31-07</b>
Depth to Groundwater <b>600' +/-</b>		Distance from nearest fresh water well <b>1 mi</b>		Distance from nearest surface water <b>N/A</b>
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input checked="" type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17"</b>	<b>13 3/8</b>	<b>40#</b>	<b>90'</b>	<b>250 bbls</b>	<b>Surf Face</b>
<b>12 1/4</b>	<b>8 5/8</b>	<b>23#</b>	<b>1000' +/-</b>	<b>400 sacks</b>	<b>11</b>
<b>7 1/4</b>	<b>5 1/2</b>	<b>24#</b>	<b>1600' +/-</b>	<b>490 sacks</b>	<b>11</b>
<b>4 1/4</b>	<b>2 3/8</b>	<b>Fi Burg 133</b>	<b>2200' +/-</b>	<b>open Hole</b>	<b>11</b>

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.

B.O.P. Ram type

See Attached

COLLECT AND SACK SAMPLES FOR  
NEW MEXICO BUREAU OF MINES, SOCORRO  
AT AT LEAST TEN FOOT INTERVALS

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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature **Thomas White**

Printed name: **Thomas White**

Title: **Field Op. Supervisor**

E-mail Address: **mcvtwhite@frontier.net**

Date: **1-9-07**

Phone: **928-337-3230**

OIL CONSERVATION DIVISION

Approved by:

**Ed Martin**

Title: **DISTRICT SUPERVISOR**

Approval Date: **1-11-07**

Expiration Date: **1-11-08**

Conditions of Approval Attached ☐

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

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

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-003-20032</b>		Pool Code		Pool Name	
Property Code		Property Name <b>STATE</b>			Well Number <b>1-10-21</b>
OGRID No. <b>164557</b>		Operator Name <b>Ridgeway AZ. Oil Corp</b>			Elevation <b>6794'</b>

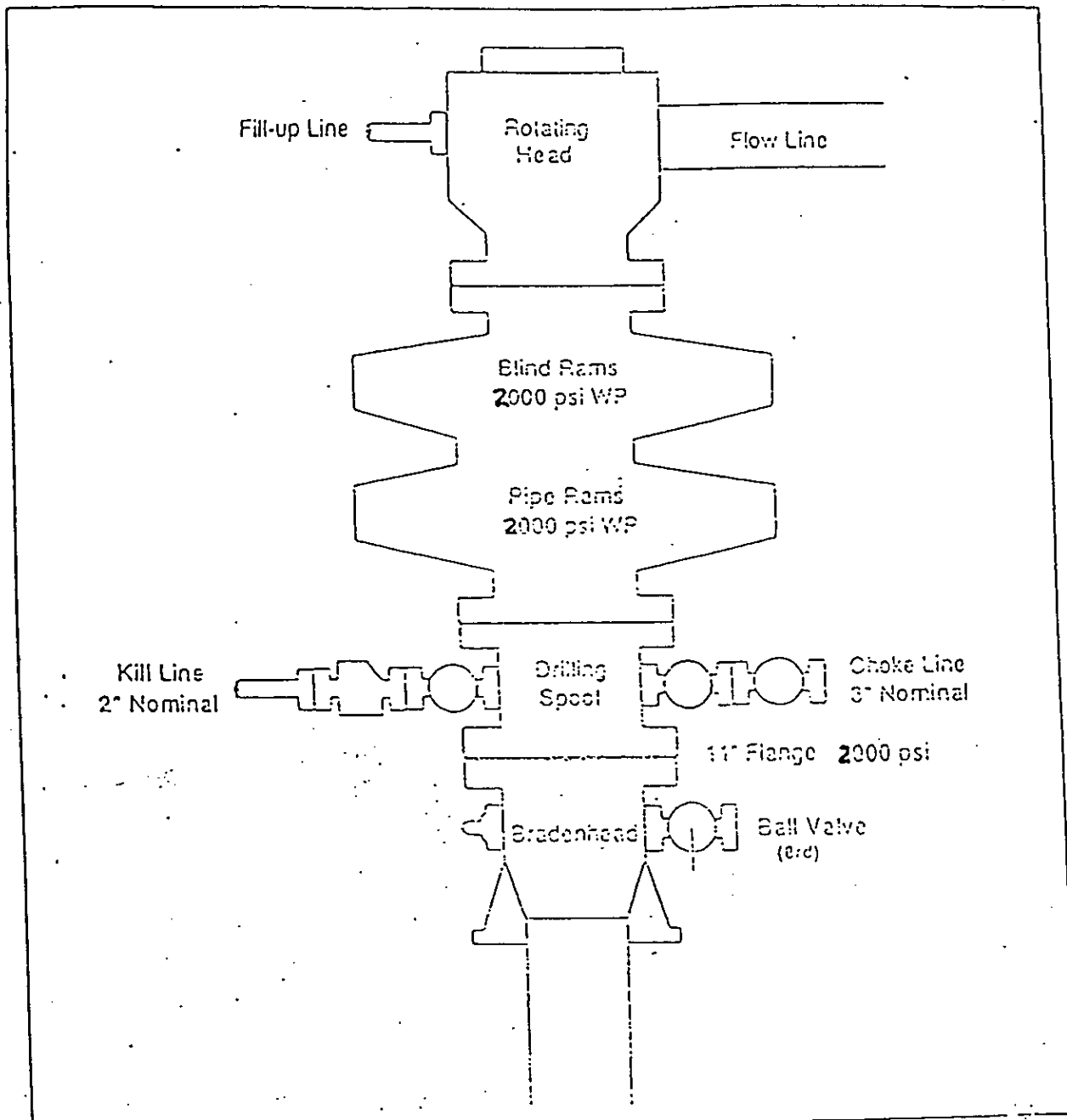
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	<b>10</b>	<b>1N</b>	<b>21W</b>	<b>D</b>	<b>349'</b>	<b>North</b>	<b>267'</b>	<b>West</b>	<b>Catron</b>

11 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
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 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.

16 					17 <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 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 heretofor entered by the division.  Signature: <u>Thomas White</u> Date: <u>1/5/07</u> Printed Name: <u>Thomas White</u>
					18 <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 knowledge.  Date of Survey: <u>1/5/07</u> Signature and Seal of Professional Surveyor:  Certificate Number: <u>NMPS 13239</u>

# BOP STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 600 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

# **Draft**

## **Drilling Procedure**

**Well: 1N-21W-Sec 10**  
**Ridgeway Petroleum Arizona**

- All depths are to be measured from Ground Level (GL), marked from 13 3/8" casing flange
  - Record all operating events with detailed descriptions along with start/stop times and depths in the Daily Drilling Report
1. MIRU.
  2. Establish GL at top flange of 13 3/8" casing.
  3. Mark drilled depth and set point of 13 3/8" conductor set by cellar service crew.
  4. Rig up BOP stack for 10 3/4" hole as shown on BOP Stack Layout drawing.
  5. Pick up 10 3/4" air hammer bit, air hammer, stabilizer, (3) 6" drill collars and 4 1/2" EF drill pipe. Use both air compressors.
  6. Air drill 10 3/4" hole to approximately 1000'. Take BH surveys every 300' or as required by the State of Arizona.
  7. Clean hole for 3 hours minimum or as necessary to clean the hole. Pull out of hole.
  8. Run and cement 8 5/8" casing according to the 8 5/8" Casing Running and Setting Procedures.
  9. WOC
  10. Rig up BOP stack for 7 7/8" hole.
  11. Pick up 7 7/8" air hammer bit, air hammer, stabilizer, (3) 6" drill collars and 4 1/2" DP. Use both air compressors.
  12. Air drill 7 7/8" hole to top of Fort Apache anhydrite, at approximately 1900'.
  13. (Note: This section of hole will encounter severe water entry and lost returns. Use soap to foam the hole if needed.)
  14. Drill 2/3 of the way through the anhydrite, according to the on-site geologist instructions.
  15. Take BH surveys every 300' or as required by the State.

16. Clean hole for 3 hours minimum or as needed to clean the hole.  
Pull out of hole.
17. Run and cement 5 ½" casing, according to the 5 ½" casing Running and Cementing Procedures.
18. Rig up BOP stack according to drawing.
19. (Remember, the next portion of hole will be drilled under balanced with the well flowing gas.)
20. (Remember that NO fluid is to be inserted into this section of hole.)
21. Pick up 4 ¾" insert rotary bit and 3 ½" EF drill pipe.
22. Air drill using rotation through Ft. Apache and 1<sup>st</sup> three zones of the Amos Wash.
23. Stop at anhydrite stringer directly above the Raven zone. This stopping point will be picked by the on-site geologist.
24. Clean hole for 3 hours minimum or as necessary to clean the hole.
25. Pull out of hole under pressure with well flowing.
26. Rig up logging services and log well, according to the Field Logging Procedure (In Air)
27. Rig up lubricator and set packer in 3<sup>rd</sup> joint up from bottom.  
(This will be in bottom 3 joints of boronized 5 ½" pipe.)
28. Rig up and run 2 ½" test tubing according to Test Tubing Running Procedure.
29. Set tubing in packer to seal off BHP.
30. Rig up logging services and log well, according to the Field Logging Procedure (In Air). \*\* Moved to step 26.
31. Hook up production wellhead according to field drawing.
32. Rig up Test Equipment and short term test the well according to the Field Test Procedure.

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