

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 Smason Resources Company | | ² OGRID Number 20165 | |
| ³ Property Code 35906 | | ⁴ API Number 225-22094 | |
| ⁵ Property Name Lawson State | | ⁶ Well No. #1 | |
| ⁹ Proposed Pool 1 Reeves Penn | | ¹⁰ Proposed Pool 2 | |

| 7 Surface Location | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|------------------------|---------------------------|------------------------|------------------------|--------|
| UL or lot no. F | Section 24 | Township 18-S | Range 35-E | Lot Idn | Feet from the 1923' | North/South line South | Feet from the 2043' | East/West line West | County |

| 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 Re-entry | ¹² Well Type Code GAS | ¹³ Cable/Rotary Rotary | ¹⁴ Lease Type Code State | ¹⁵ Ground Level Elevation |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 11265' | ¹⁸ Formation ATOKA | ¹⁹ Contractor | ²⁰ Spud Date 9/15/06 |
| Depth to Groundwater | | Distance from nearest fresh water well | | Distance from nearest surface water |
| Pit: Liner: Synthetic <input type="checkbox"/> NA _____ mils thick Clay <input type="checkbox"/> Pit Volume NA: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine x <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 |
| 12.25 | 8.625 | 24 & 32 | 3624' | 300 | 2200 |
| 7.875 | 4.5 | 11.6 | 11700' | 500 | 9000' |
| | 2.375 | 4.7 | 10700' | NA | NA |
| 17.5 | 13.375 | 48 | 370' | 350 | circ |

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.

No pits and

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Re-Entry



| | | | |
|--|---------------------|---|--|
| 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 NMOC guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . | | OIL CONSERVATION DIVISION | |
| Printed name: Duke Roush | | Approved by: | |
| Title: Landman | | Title: PETROLEUM ENGINEER | |
| E-mail Address: droush@samson.com | | Approval Date: _____ Expiration Date: _____ | |
| Date: 7/26/06 | Phone: 432-528-8264 | Consent of Approval Attached <input type="checkbox"/> | |

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

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

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|-----------------------------------|--|---------------------------------|
| API Number 30-025-22094 | Pool Code 52060 | Pool Name Reeves Penn |
| Property Code 35906 | Property Name LAWSON STATE | Well Number 1 |
| OGRID No. 20165 | Operator Name SAMSON RESOURCES | Elevation 3869' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F | 24 | 18-S | 35-E | | 1923 | NORTH | 2043 | WEST | LEA |

Bottom Hole Location If Different From Surface

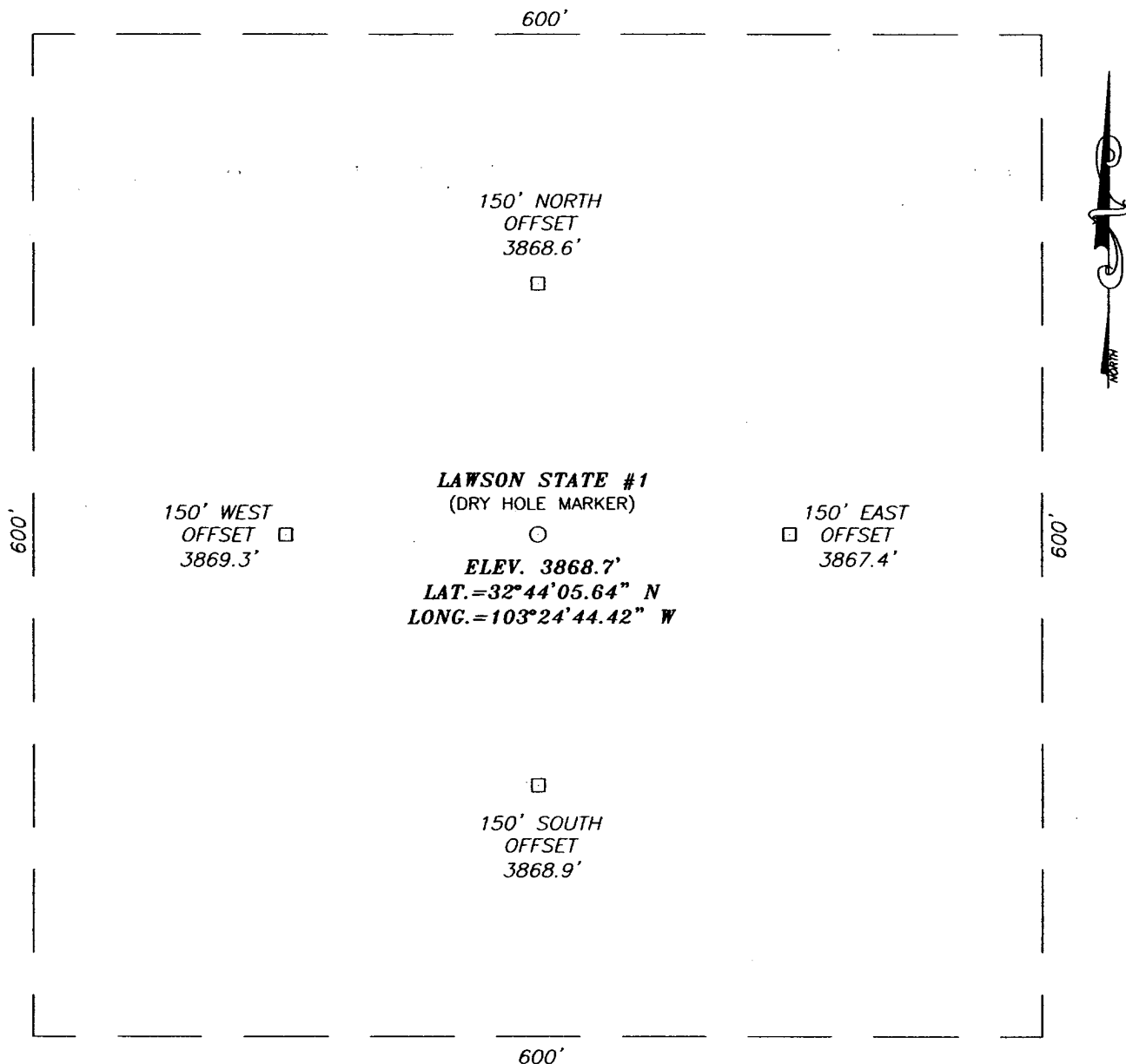
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. |
|------------------------------|-----------------|--------------------|-----------|

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

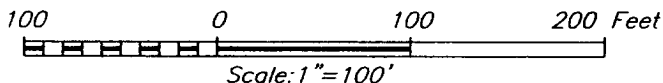
| | |
|---|--|
| <p>1923'</p> <p>2043'</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=632298.2 N X=783228.5 E</p> <p>LAT.=32.734899° N LONG.=103.412272° W</p> <p>LAT.=32°44'05.64" N LONG.=103°24'44.42" W</p> | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and 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.</p> <p><i>Duke Roush</i> 8/9/06 Signature Date</p> <p>Duke Roush Printed Name</p> |
| | <p>SURVEYOR CERTIFICATION</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>JULY 13, 2006</p> <p>Date Surveyed REV. 08/01/06 JR</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary G. Eidson</i> 8/01/06 06.11.1173</p> <p>Certificate No. GARY G. EIDSON 12641 RONALD F. EIDSON 3239</p> |

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #529 AND ST. HWY. #8 GO NW ON ST. HWY. #8 APPROX. 2.5 MILES. TURN RIGHT AND GO NORTH APPROX. 0.3 MILES. TURN RIGHT AND GO EAST APPROX. 0.7 MILES. TURN LEFT AND GO NORTH APPROX. 0.1 MILES, BEND RIGHT AND GO NE APPROX. 1.6 MILES TO AN EXISTING DRY HOLE MARKER. THIS LOCATION IS APPROX. 1800' SE.



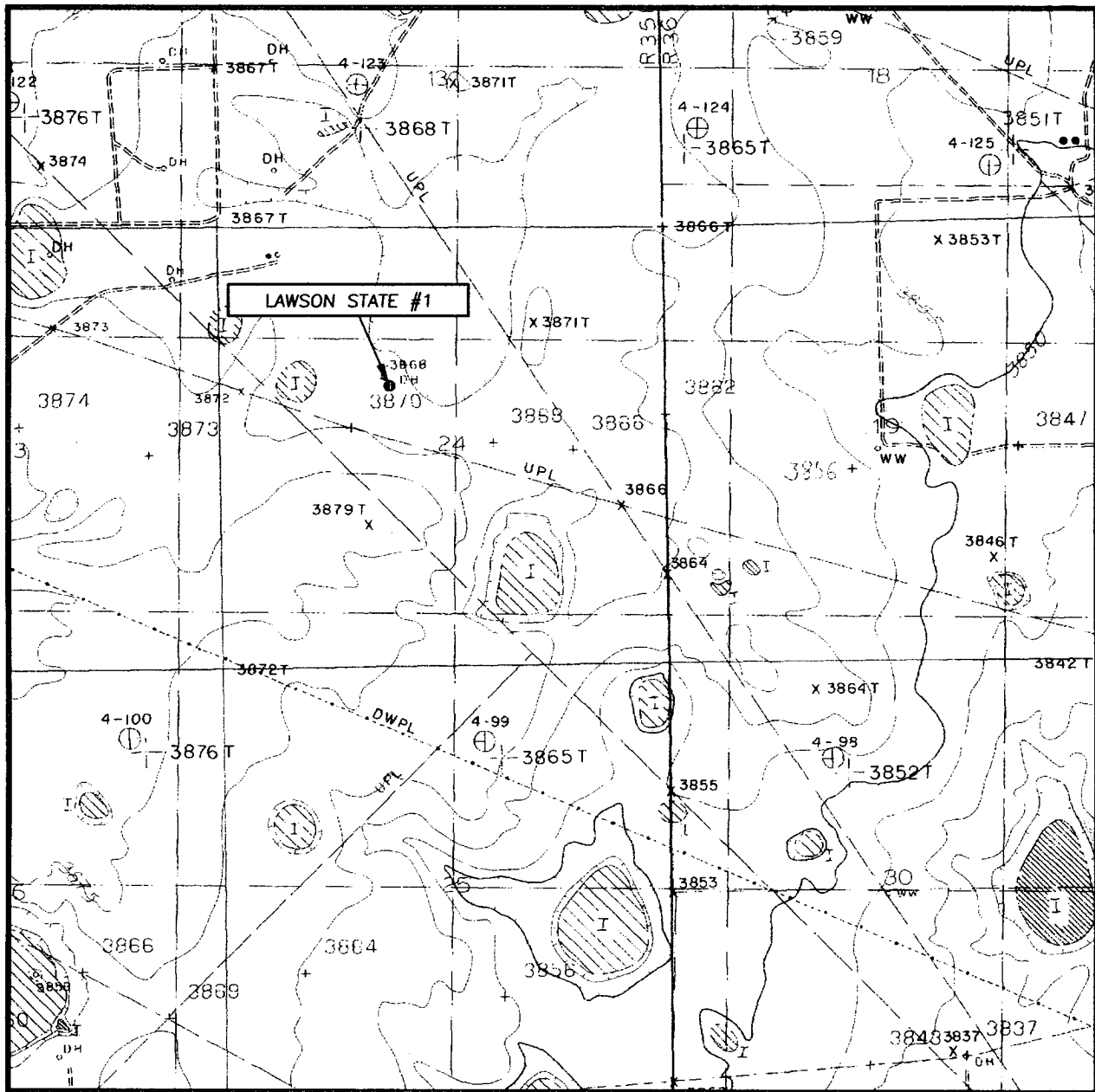
SAMSON RESOURCES

LAWSON STATE #1 WELL
 LOCATED 1923 FEET FROM THE NORTH LINE
 AND 2043 FEET FROM THE WEST LINE OF SECTION 24,
 TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

| | |
|-------------------------|------------------------------------|
| Survey Date: 07/13/06 | Sheet 1 of 1 Sheets |
| W.O. Number: 06.11.1173 | Dr By: J.R. Rev 1:N/A |
| Date: 07/17/06 | Disk: CD#6 06111173 Scale: 1"=100' |

PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
IRONHOUSE DRAW, N.M. - 5'

SEC. 24 TWP. 18-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1923' FNL & 2043' FWL

ELEVATION 3869'

OPERATOR SAMSON RESOURCES

LEASE LAWSON STATE

U.S.G.S. TOPOGRAPHIC MAP
IRONHOUSE DRAW, N.M.

