

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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-101
Revised June 10, 2003Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies☐ AMENDED REPORT

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

¹ Operator Name and Address Samson Resources Samson Plaza, Two West Second St. Tulsa, OK 74103		² OGRID Number 20165
³ Property Code 33801		⁴ Property Name Hunger Buster State
		⁵ Well No. 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	County
P	9	21-S	35-E		660'	South	660'	East	Lea

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
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⁹ Proposed Pool 1

Osudo Morrow Gas #88120

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3595' GL
¹⁶ Multiple N	¹⁷ Proposed Depth 12,600'	¹⁸ Formation Morrow	¹⁹ Contractor Nabors Drilling	²⁰ Spud Date ASAP

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"	54.5#	0' - 1,450'	850 sx	Circ. to surface
12 1/4"	9 5/8"	40.0#	0' - 5,550'	1750 sx	Circ. to surface
8 3/4"	7"	26.0#	0' - 10,800'	650 sx	TOC 5,350'
6 1/4"	4 1/2"	13.5#	0' - 12,600'	190.5x	TOC 10,600'
* Altern. 7 7/8"	5 1/2"	20.0#	0' - 12,600'	820 sx	TOC 5,350'

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.

Propose to drill to 12,600' to test the Morrow. *Alternative: Will drill 8 3/4" to approx. 11,000' and will test for formation integrity for FIT 12 ppg EMW. If FIT is achieved, will reduce hole to 7 7/8" and drill to TD w/o setting 7" casing, then will run 5 1/2" from surface to T.D.

Minimum Specifications for Pressure Control Equipment:

A 13 5/8" 10M WP Shaffer, Double Gate BOP over single with 13 5/8" 5M Hydril annular preventer will be installed on the 13 5/8" casing. Will test to 3M before drilling out 12 1/4" hole and to 5M before drilling the 8 3/4" and 6 1/4" hole.

H₂S: None expected. None in previously drilled wells in area.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>George R. Smith</i>		Approved by: <i>[Signature]</i>	
Printed name: George R. Smith		Title: PETROLEUM ENGINEER	
Title: agent for Samson Resources		Approval Date: JAN 18 2005	
E-mail Address: grsmith1@prodigy.net		Expiration Date:	
Date: January 12, 2005	Phone: (505) 623-4940	Conditions 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

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 30-025-37052	Pool Code 82120	Pool Name Osudo Morrow Gas
Property Code 33801	Property Name HUNGER BUSTER STATE	Well Number 2
OGRID No. 20165	Operator Name SAMSON RESOURCES	Elevation 3595'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	21-S	35-E		660	SOUTH	660	EAST	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 160	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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=542587.3 N X=798374.3 E</p> <p>LAT.=32°29'16.67" N LONG.=103°21'56.44" W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p>	
	<p>Signature George R. Smith, agent</p> <p>Printed Name for Samson Resources</p> <p>Title January 12, 2005</p> <p>Date</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>Date Surveyed JANUARY 12, 2005</p> <p>Signature & Seal of Professional Surveyor 12641</p> <p>Certificate No. GARY EIDSON 12641</p>	



RIG 715 BOP LAYOUT

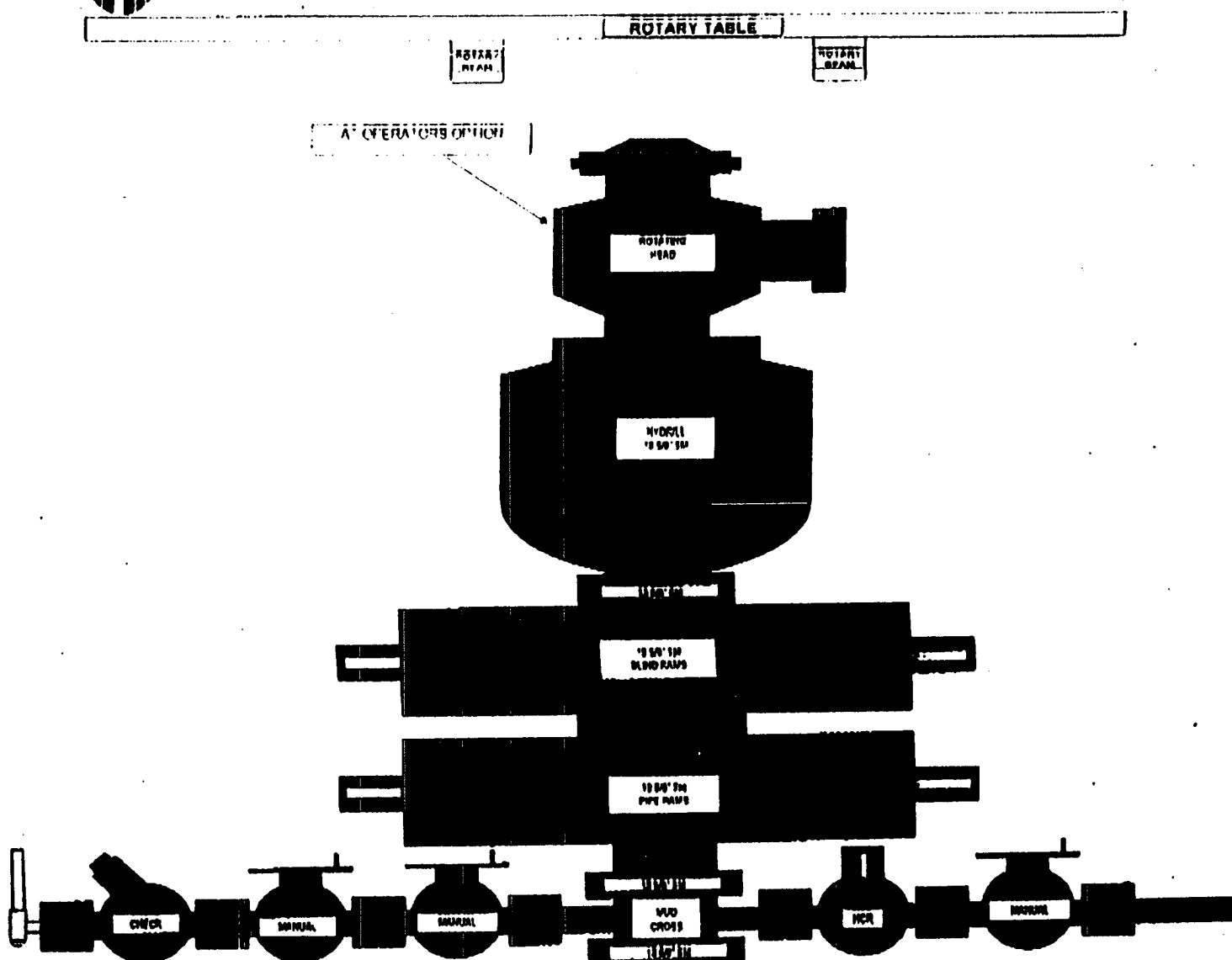
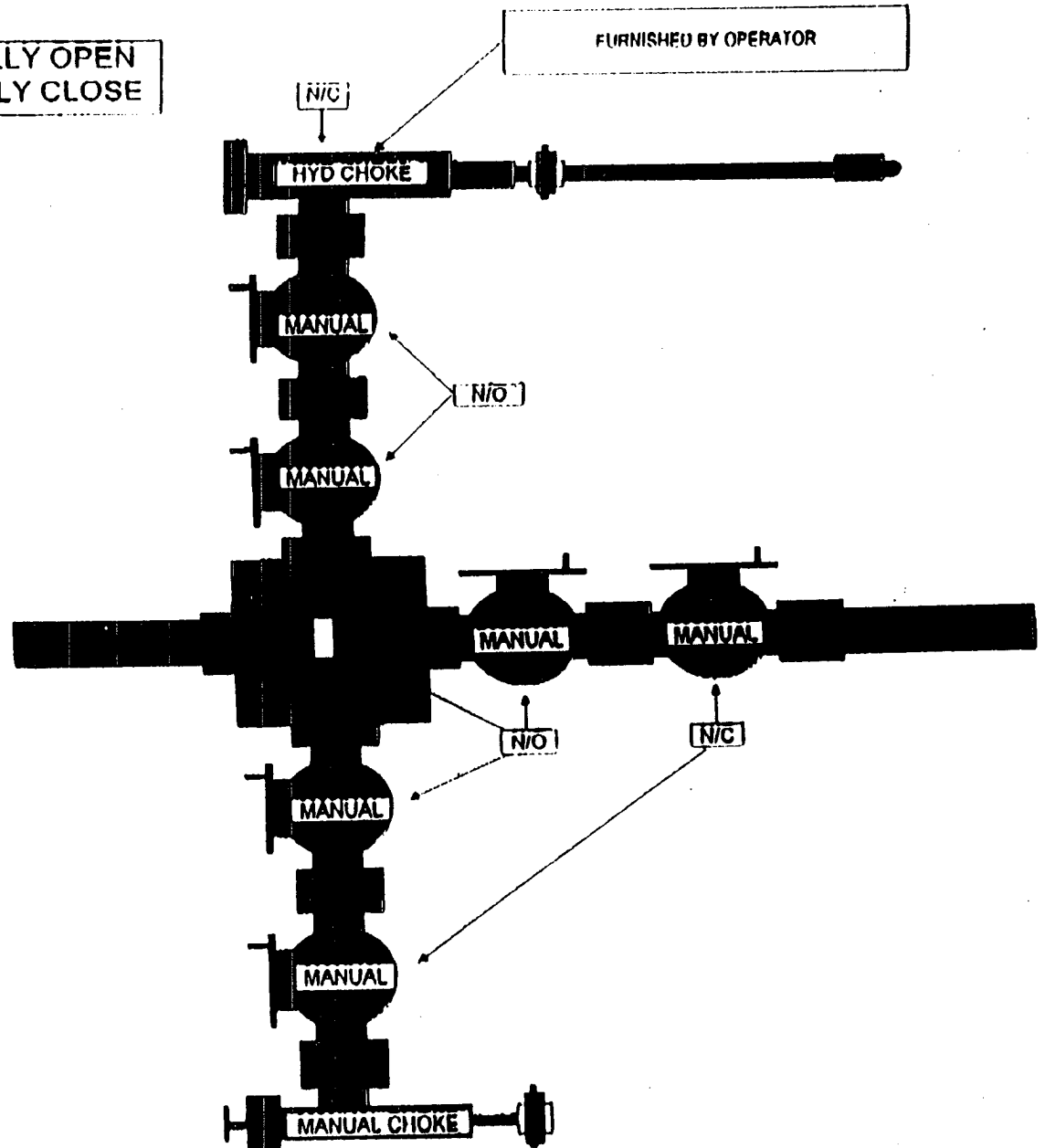


EXHIBIT "A"
SAMSON RESOURCES
HUNGER BUSTER STATE, WELL NO. 2
BOP Specifications
30.025.37052



N/O = NORMALLY OPEN
N/C = NORMALLY CLOSE



✓ District I
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Energy Minerals and Natural Resources

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Form C-144
March 12, 2004

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Samson Resources Telephone: (918) 591-1531 e-mail address:

Address: Samson Plaza Two W. Second St. Tulsa, OK 74103

Facility or well name: Hunger Buster State, Well #2 U/L or Qtr/Qtr SE4SE4 Sec 9 T 21S R35E

County: Lea Latitude 32°29'16.67" N Longitude 103°31'56.44" W NAD: 1927 X 1983 ☐ Surface Owner Federal State X Private ☐
Indian ☐

Pit

Type: Drilling X Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined X Unlined ☐

Liner type: Synthetic X Thickness 12 mil Clay ☐ Volume 10,000 bbl+

Below-grade tank

Volume: bbl Type of fluid:

Construction material:

Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

Ranking Score (Total Points)

-0-

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location:

onsite ☐ offsite ☐ If offsite, name of facility (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: January 12, 2005

Printed Name/Title: George R. Smith, agent

Signature: *George R. Smith*

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: JAN 18 2005

Date:

Printed Name/Title:

PETROLEUM ENGINEER

Signature:

[Signature]