

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
May 27, 2004

Submit to appropriate District Office

AMENDED REPORT

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

Operator Name and Address SAMSON RESOURCES COMPANY ATTN: BRAD P HARGROVE TWO WEST SECOND STREET, TULSA, OK 74103		OGRID Number 20165
Property Code 36554	Property Name OSUDO 29 STATE	API Number 30 - 025 - 38482
Proposed Pool 1 LEA BONE SPRINGS Osudo Morrow North (Gas)		Well No. 2
Proposed Pool 2		

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	20S	36E		1500	NORTH	1100	EAST	LEA

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

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3619'
Multiple N	Proposed Depth 11,600'	Formation Morrow	Contractor McVay	Spud Date 11/1/07
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 14 mls thick Clay <input type="checkbox"/> Pit Volume: 24000 bbls Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

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"	48.0# H-40	400'	300 sx	Surface
12 1/4"	9 5/8"	40# J-55	5,175'	1500 sx	400'
8 3/4"	7"	26# P-110	10,600'	500 sx	5,175'
6 1/8"	4 1/2"	13.5# P-110	TD	100 sx	10,400'

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.

SAMSON RESOURCES COMPANY proposes to drill/test the Morrow formation. Approximately 400' of surface casing will be set/cemented. Intermediate casing will be set at 5,175', cement cir. to surface. If commercial, production casing will be run/cemented, perforate/stimulate as needed for production.

MUD PROGRAM: 0-400' FW/Spud mud
401-5175' Brine
5176-10,500' Fresh water
10,500-11,600' Water-based mud

BOPE PROGRAM: A 5000# BOPE will be installed on the 9-5/8" casing and tested daily.

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 ☐.

Printed name: **Kenneth C. Dickeson**
Title: **Authorized Agent**
E-mail Address: **bshort@samson.com**

Date: **6/12/07** Phone: **(432) 682-4002**

OIL CONSERVATION DIVISION

Approved by:

Larry W. Wink

Title: **OC FIELD REPRESENTATIVE II/STAFF MANAGER**

Approval Date: **JUL 27 2007**

Expiration Date:

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

dm

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

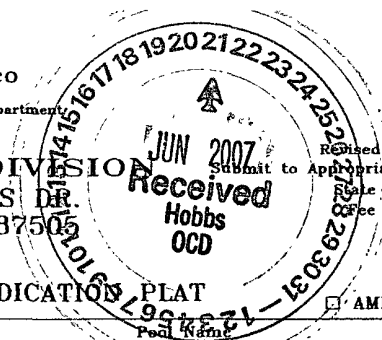
DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38482	Pool Code 82160	Property Name Osudo Morrow, North (Gas)
Property Code 36554	Well Number 2	
OGRID No. 20165	Operator Name SAMSON RESOURCES	
Elevation 3619'		

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	20-S	36-E		1500	NORTH	1100	EAST	LEA

Bottom Hole Location If Different From Surface

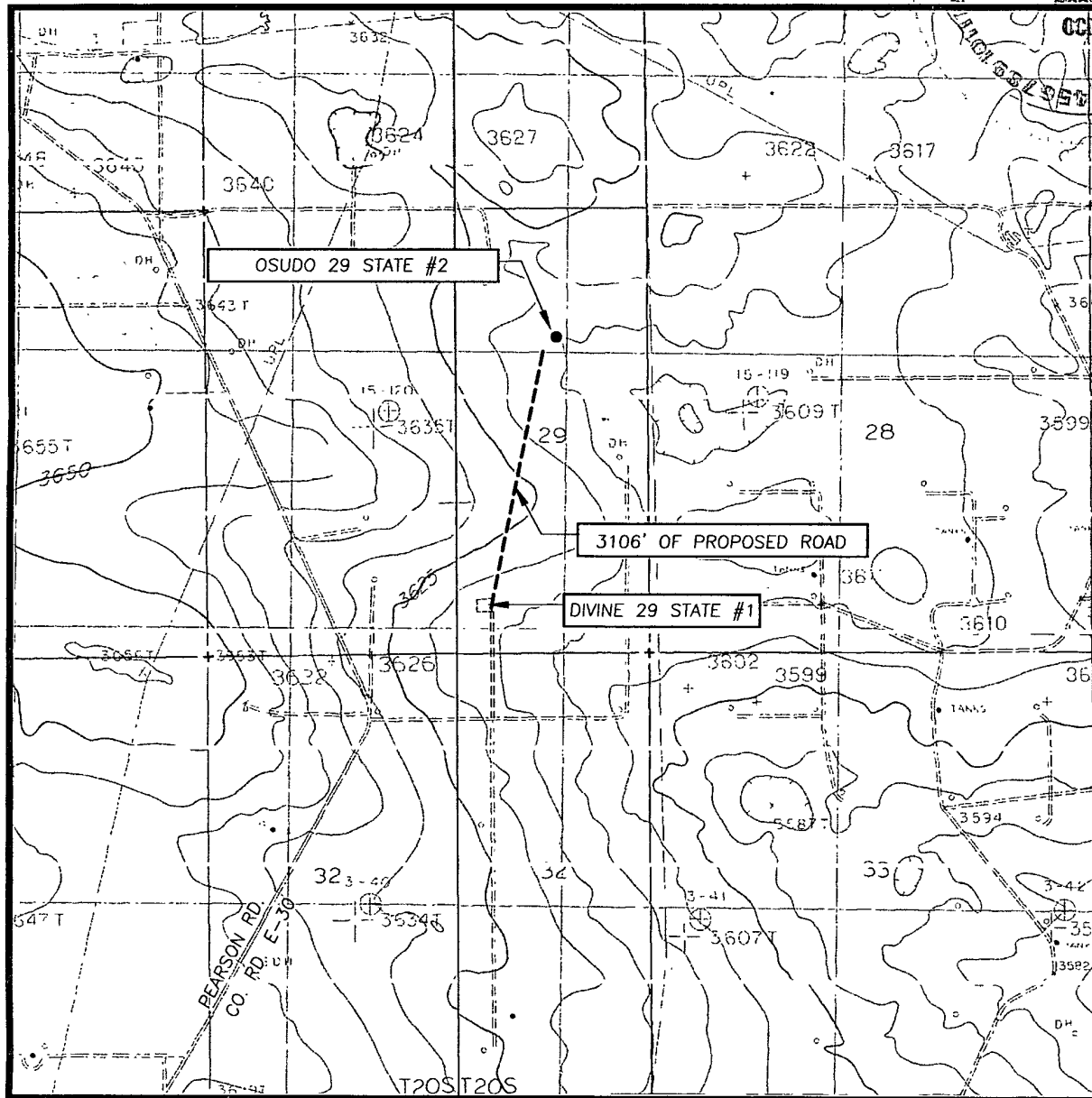
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres		Joint or Infill		Consolidation Code		Order No.			

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>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>Kenneth C. Dickeson</i> Signature Date 6-12-07 Printed Name Kenneth C. Dickeson</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><i>GARY EIDSON</i> Signature Date APRIL 11, 2007 Professional Surveyor Seal of Professional Surveyor Date Surveyed 5/3/07 Certificate No. 07-11-0485 Certificate No. GARY EIDSON 12641 CHAD HARCROW 17777</p>

LOCATION VERIFICATION MAP

JUN 2007
Received



SCALE: 1" = 2000'

CONTOUR INTERVAL:
MONUMENT SOUTH, N.M. - 5'
MONUMENT S.W., N.M. - 5'

SEC. 29 TWP. 20-S RGE. 36-E

SURVEY _____ N.M.P.M.

COUNTY LEA STATE NEW MEXICO

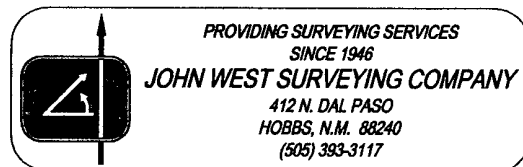
DESCRIPTION 1500' FNL & 1100' FEL

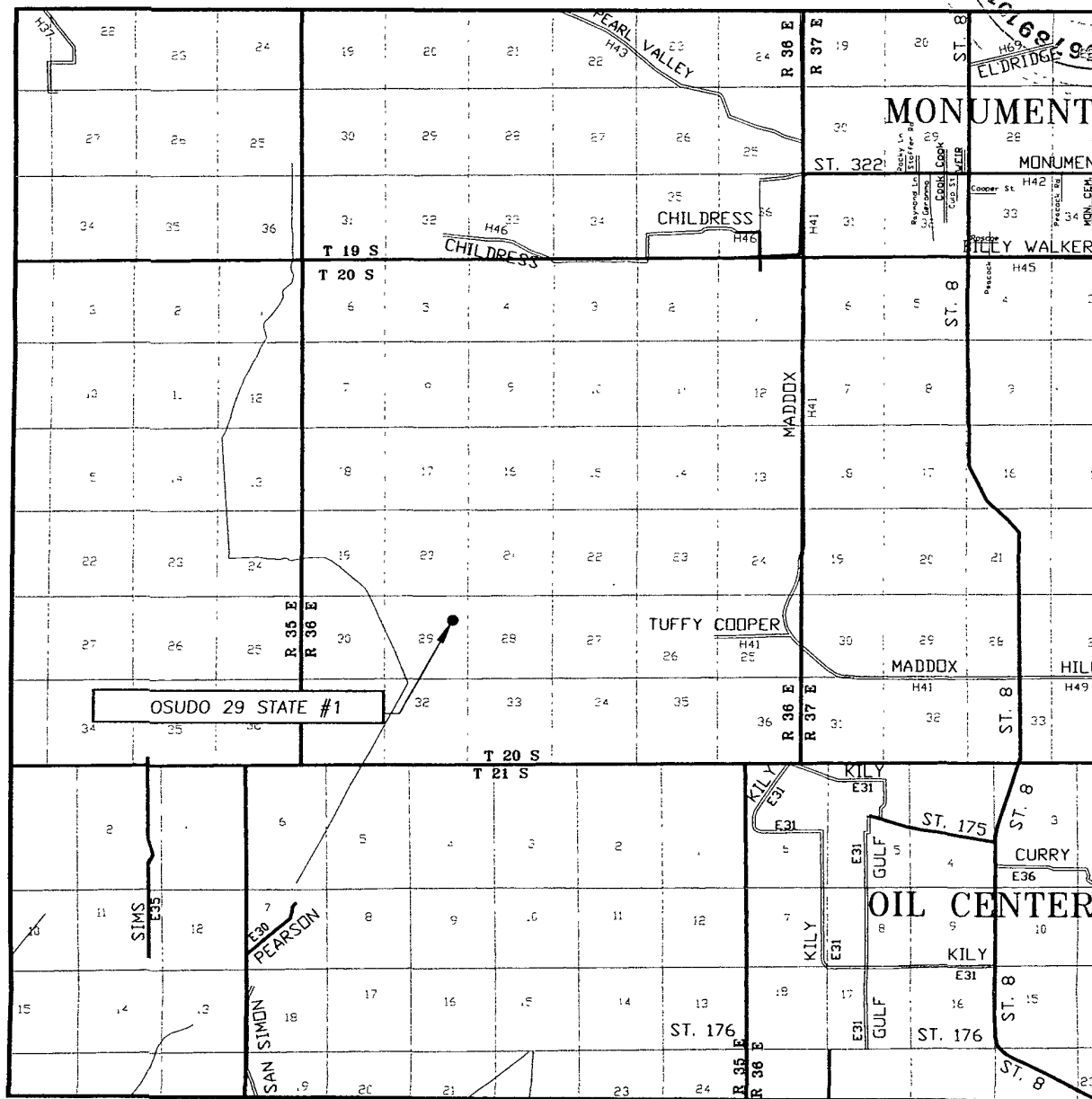
ELEVATION 3619'

OPERATOR SAMSON
RESOURCES

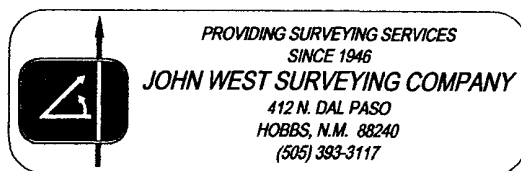
LEASE OSUDO 29 STATE

U.S.G.S. TOPOGRAPHIC MAP
MONUMENT SOUTH , N.M.





LEASE _____ OSUDO 29 STATE _____



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Form C-144
June 1, 2004

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

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 COMPANY Telephone: (918) 583-1791 e-mail address: bshort@samson.com		
Address: Two West Second Street, Tulsa, OK 74103		
Facility or well name: Osudo 29 State #2	API #: 30-025-38482	U/L or Qtr/Qtr H Sec 29 T 20S R 36E
County: Lea	Latitude 796,519.8	Longitude 564,108.8 NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 14 mil Clay <input type="checkbox"/> Pit Volume 24,000 bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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 points

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: (check the onsite box if you are burying in place) 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

Additional Comments:

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

Date: **6/5/07**

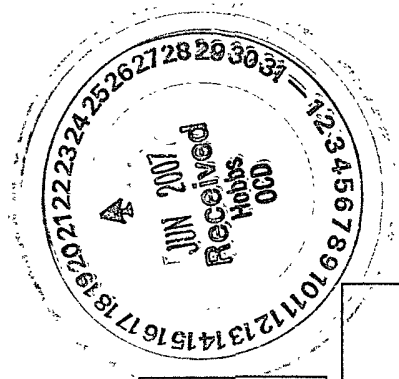
Printed Name/Title **Kenneth C. Dickeson, Authorized Agent** Signature _____

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.

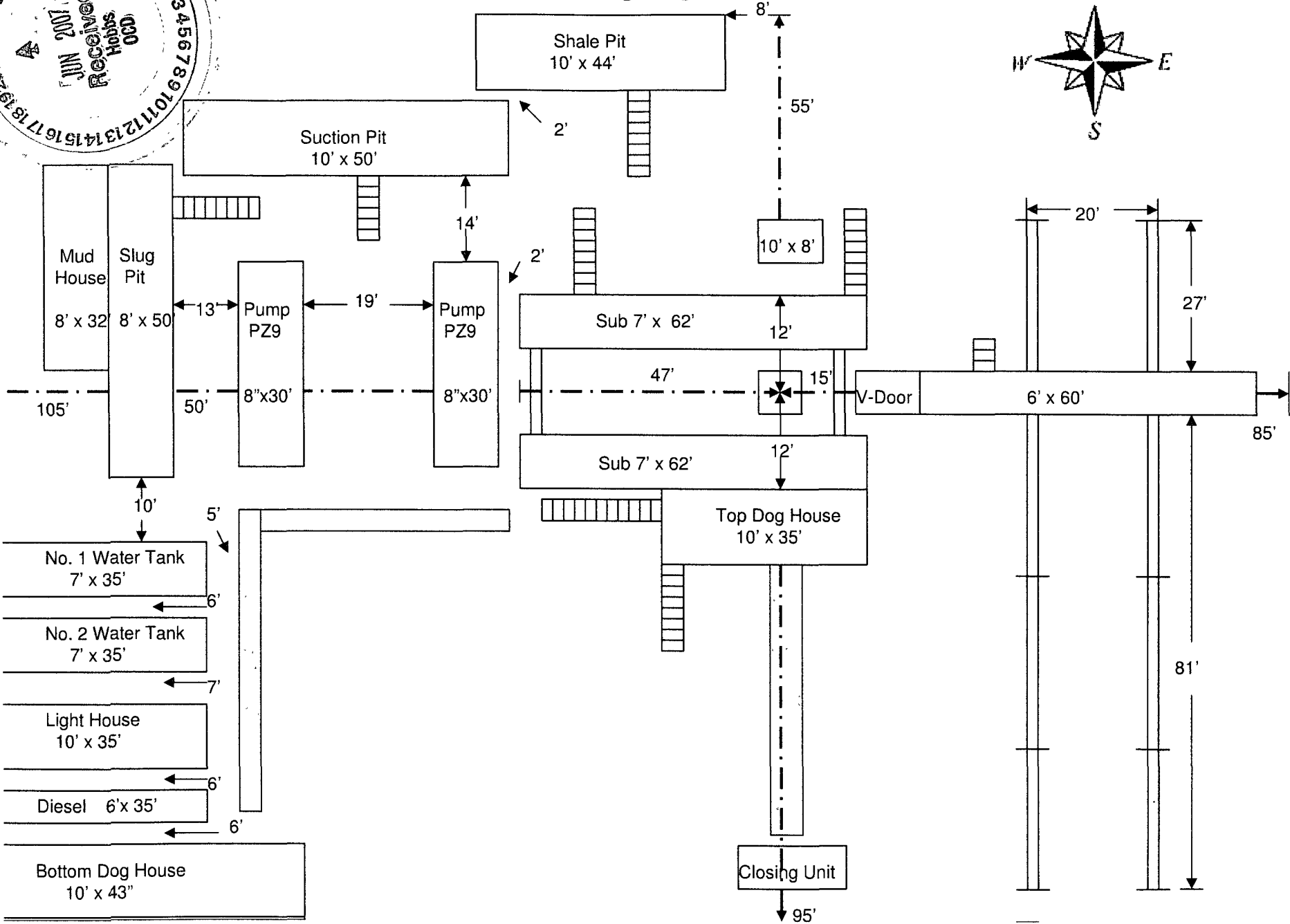
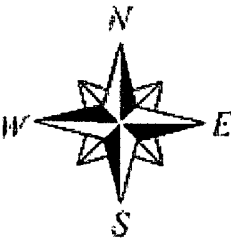
Approval:

Printed Name/Title **Larry W. Wink / STAFF MGR.** Signature _____

Date: **7/27/07**



McVay Drilling Rig No. 5



JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruce@aol.com

Legacy Reserves Operating LP
Osudo State Com #1
30-025-25971

July 7, 2007

Certified Mail – Return Receipt Requested

Samson Resources Co
Osudo 29 State #2
30-025-38482

Russell D. Hilt
Legacy Reserves, LLC
Suite 1600
303 West Wall Street
Midland, Texas 79701

Jami Bailey
Oil, Gas and Minerals Division
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504

Re: Samson Resources Company
Proposed Osudo 29 State Well No. 2
SE¼NE¼ §29-20S-36E, Lea County, New Mexico

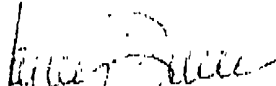
Ladies and gentlemen:

Enclosed is a copy of the Oil Conservation Division ("OCD") Form C-102 for the above well. Legacy Reserves, LLC is current the operator of the well unit and the Osudo 29 State Well No. 1. Therefore, pursuant to OCD Rule 104.E, Samson Resources Company requests your permission to drill and operate the second well on the well unit. If you do not object within 20 days, the OCD will approve the Application for Permit to Drill the Osudo 29 State Well No. 2. In addition, if you do not object, Samson Resources Company would you appreciate signing and returning a copy of this letter to:

Thomas R. Land
Samson Resources Company
Suite 1170
200 North Loraine
Midland, Texas 79701

Thank you.

Very truly yours,


James Bruce

Attorney for Samson Resources Company

We do not object to the request of Samson Resources Company to operate the second well on the well unit.

Legacy Reserves, LLC

By: 

Date: 7/24/07

Commissioner of Public Lands

By: _____

Date: _____