

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011  
Submit one copy to appropriate  
District Office

JUL 06 2016

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025-43350</b>		<sup>2</sup> Pool Code <b>97899</b>	<sup>3</sup> Pool Name <b>WC-025 G-06 S253206M; Bone Spring</b>
<sup>4</sup> Property Code <b>300635</b>	<sup>5</sup> Property Name <b>COTTON DRAW UNIT</b>		<sup>6</sup> Well Number <b>320H</b>
<sup>7</sup> OGRID No. <b>6137</b>	<sup>8</sup> Operator Name <b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b>		<sup>9</sup> Elevation <b>3431.4</b>

<sup>10</sup> 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>O</b>	<b>7</b>	<b>25 S</b>	<b>32 E</b>		<b>640</b>	<b>SOUTH</b>	<b>1405</b>	<b>EAST</b>	<b>LEA</b>

<sup>11</sup> 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
<b>A</b>	<b>7</b>	<b>25 S</b>	<b>32 E</b>		<b>330</b>	<b>NORTH</b>	<b>990</b>	<b>EAST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres <b>160.00</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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>N89°42'17"E 2663.17 FT</p> <p>NW CORNER SEC. 7 LAT. = 32.1520818°N LONG. = 103.7229772°W NMSP EAST (FT) N = 419598.13 E = 730229.21</p> <p>LOT 1</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.</p> <p>LOT 2</p> <p>W Q CORNER SEC. 7 LAT. = 32.1448286°N LONG. = 103.7229920°W NMSP EAST (FT) N = 416959.48 E = 730239.58</p> <p>LOT 3</p> <p>SW CORNER SEC. 7 LAT. = 32.1375735°N LONG. = 103.7230053°W NMSP EAST (FT) N = 414320.16 E = 730250.42</p> <p>LOT 4</p> <p>DNF</p>		<p>N89°35'56"E 2660.36 FT</p> <p>N Q CORNER SEC. 7 LAT. = 32.1520777°N LONG. = 103.7143740°W NMSP EAST (FT) N = 419611.85 E = 732891.77</p> <p>NE CORNER SEC. 7 LAT. = 32.1520866°N LONG. = 103.7057799°W NMSP EAST (FT) N = 419630.47 E = 735551.49</p> <p>990'</p> <p>BOTTOM OF HOLE</p> <p>BOTTOM OF HOLE LAT. = 32.1511764°N LONG. = 103.7089815°W NMSP EAST (FT) N = 419293.61 E = 734562.57</p> <p>E Q CORNER SEC. 7 LAT. = 32.1447996°N LONG. = 103.7058075°W NMSP EAST (FT) N = 416979.52 E = 735558.39</p> <p>SE CORNER SEC. 7 LAT. = 32.1375763°N LONG. = 103.7058305°W NMSP EAST (FT) N = 414351.72 E = 735566.57</p> <p>1405'</p> <p>640'</p> <p>589°39'35"W 2658.70 FT</p>	
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**<sup>17</sup> OPERATOR CERTIFICATION**

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 heretofore entered by the division.

Signature: Linda Good Date: 4/29/2016

Printed Name: Linda Good

E-mail Address: linda.good@div.com

**<sup>18</sup> SURVEYOR CERTIFICATION**

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.

APRIL 26, 2016

Date of Survey: APRIL 26, 2016

Signature and Seal of Professional Surveyor: [Signature]

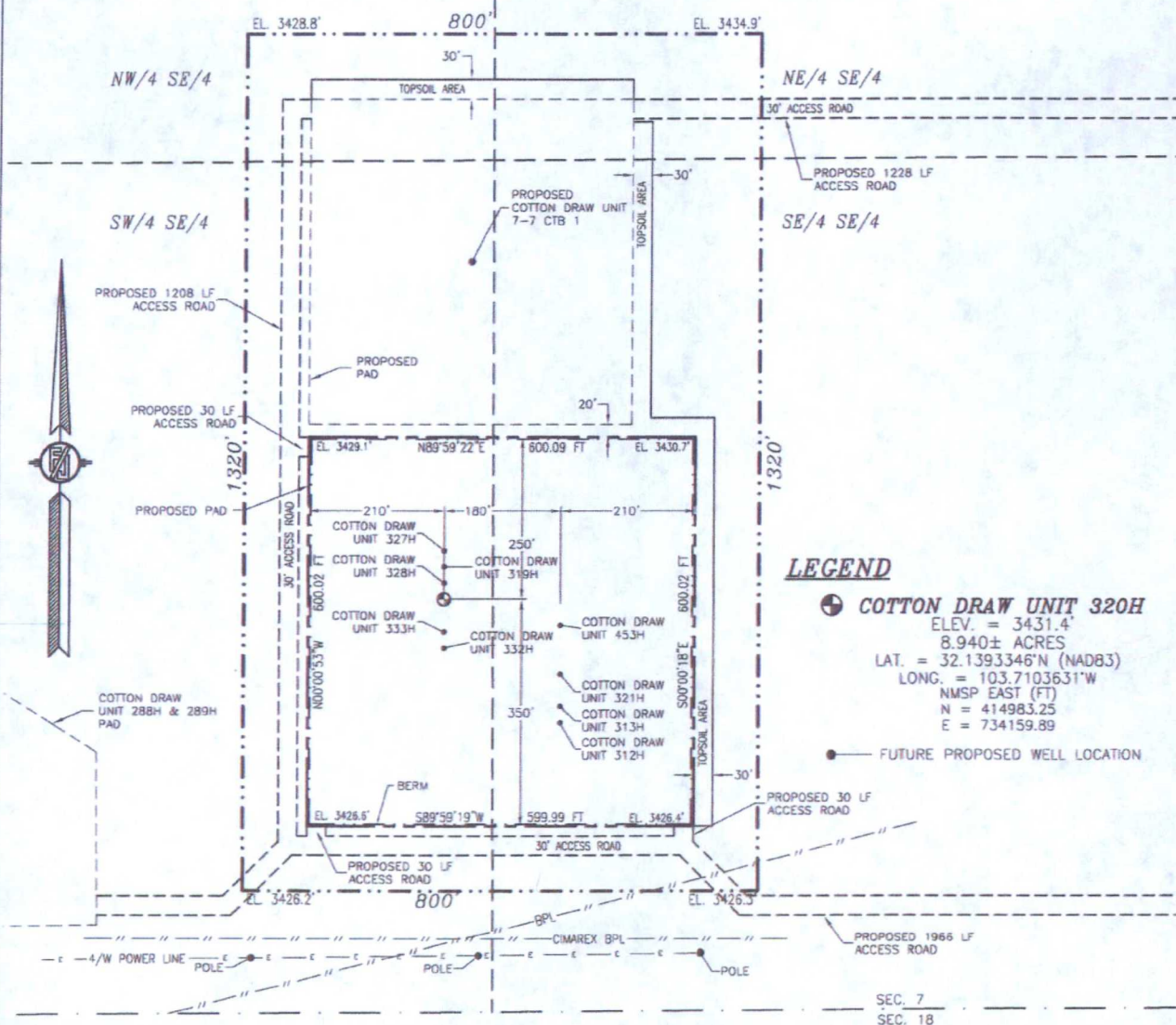
Certificate Number: 12797

SURVEY NO. 4293A



SECTION 7, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
**SITE MAP**

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



0.25 125 250 500  
SCALE 1" = 250'

**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 1 (ORLA HIGHWAY) GO SOUTH ON CR 1 APPROX. 6.2 MILES TO MONSANTO ROAD ON RIGHT (WEST). TURN WEST ON MONSANTO ROAD GO APPROX. 2.1 MILES ROAD TURNS RIGHT (NORTH). GO NORTH APPROX. 0.9 MILE ROAD TURNS LEFT (WEST). GO WEST APPROX. 25'. TURN RIGHT (NORTH) GO NORTH APPROX. 954' TO A PROPOSED ROAD LATH ON LEFT (WEST). FOLLOW PROPOSED ROAD LATHS WEST APPROX. 887'. THEN NORTHWEST 132'. THEN 30' NORTH (TOTAL OF 1049') TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**COTTON DRAW UNIT 320H**  
LOCATED 640 FT. FROM THE SOUTH LINE  
AND 1405 FT. FROM THE EAST LINE OF  
SECTION 7, TOWNSHIP 25 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

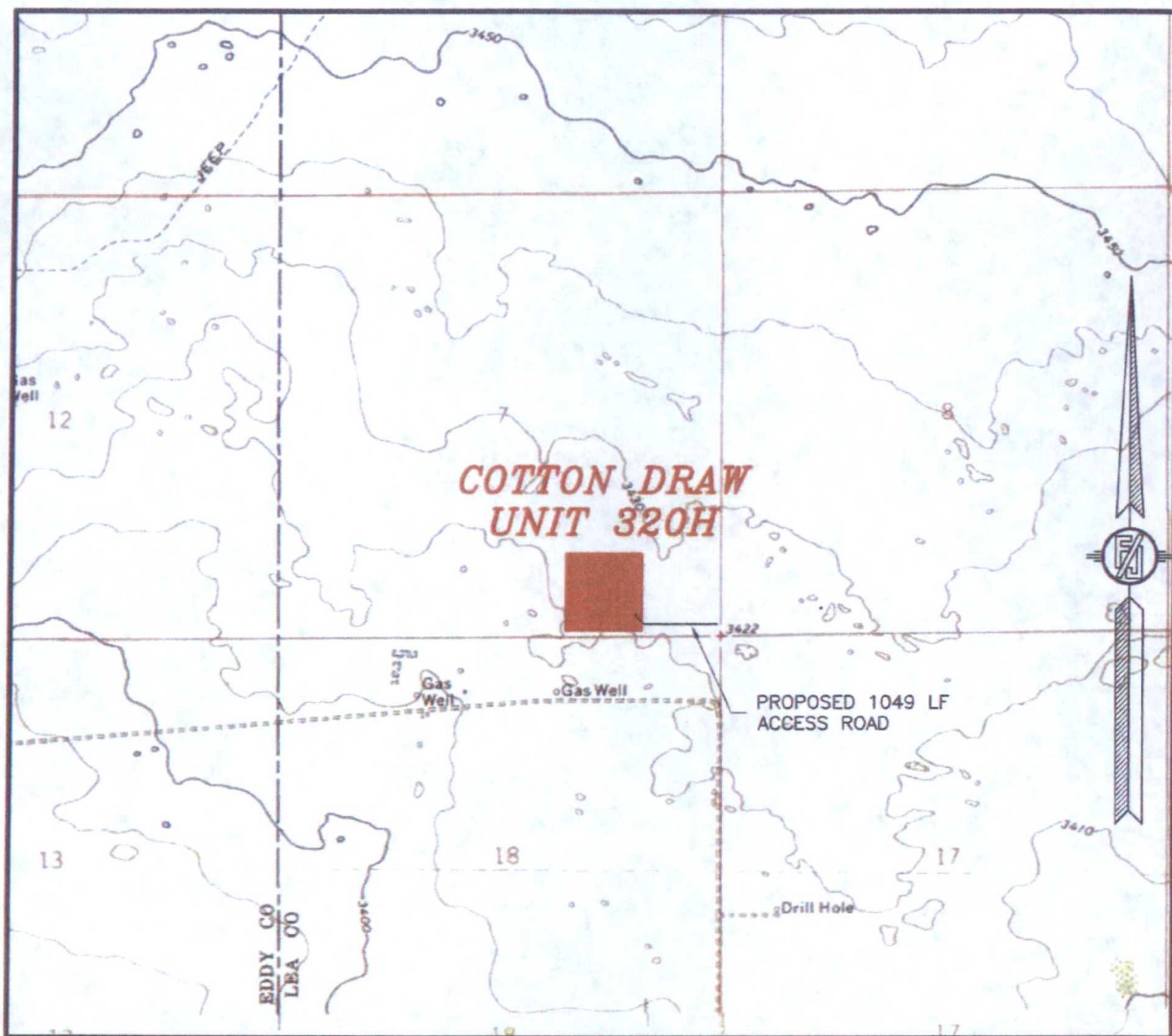
APRIL 26, 2016

SURVEY NO. 4293A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



SECTION 7, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
LOCATION VERIFICATION MAP



USGS QUAD MAP:  
PADUCA BREAKS WEST  
PADUCA BREAKS NW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

**COTTON DRAW UNIT 320H**

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RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

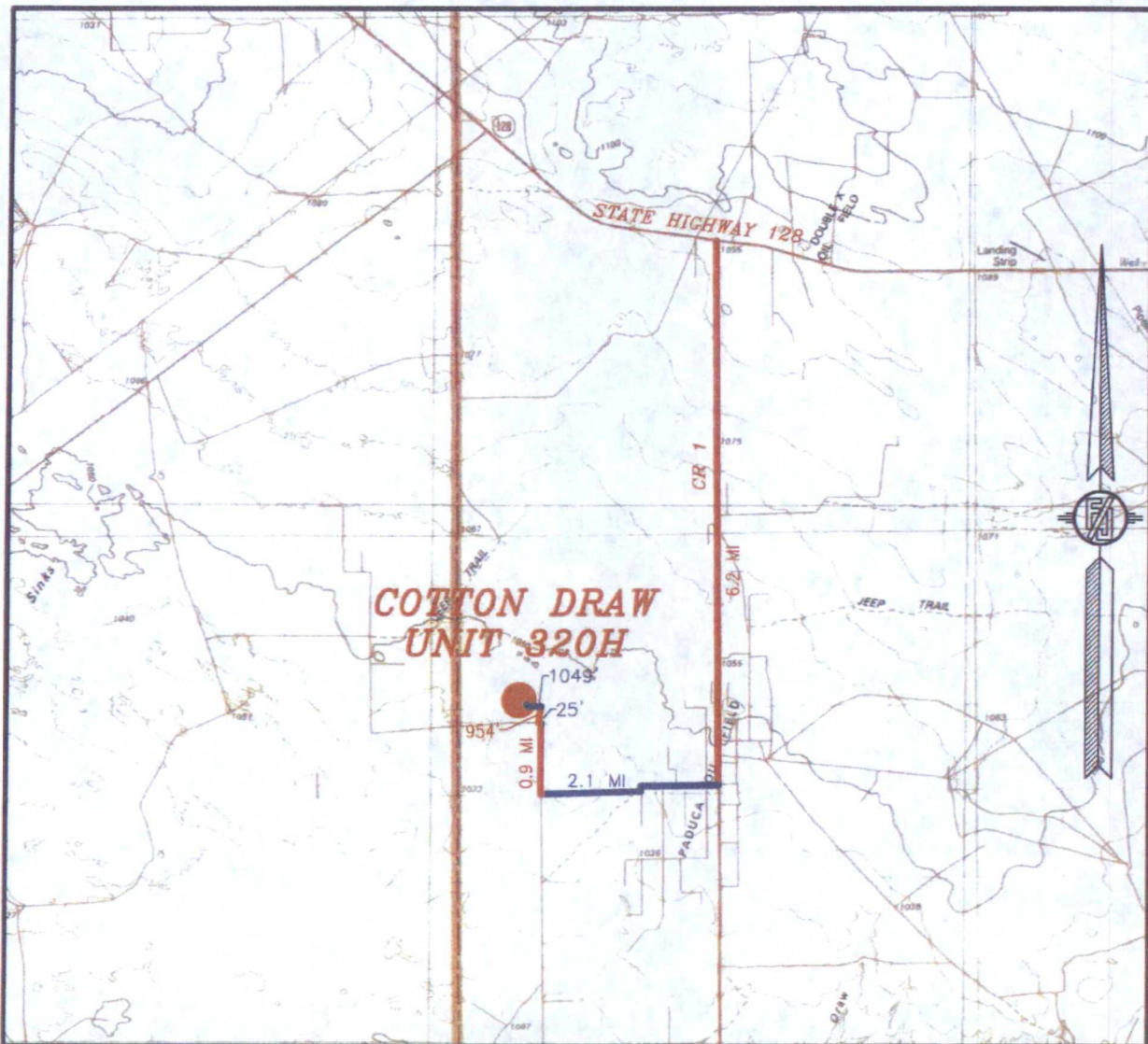
APRIL 26, 2016

SURVEY NO. 4293A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



SECTION 7, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**COTTON DRAW UNIT 320H**

LOCATED 640 FT. FROM THE SOUTH LINE  
AND 1405 FT. FROM THE EAST LINE OF  
SECTION 7, TOWNSHIP 25 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

APRIL 26, 2016

**DIRECTIONS TO LOCATION**

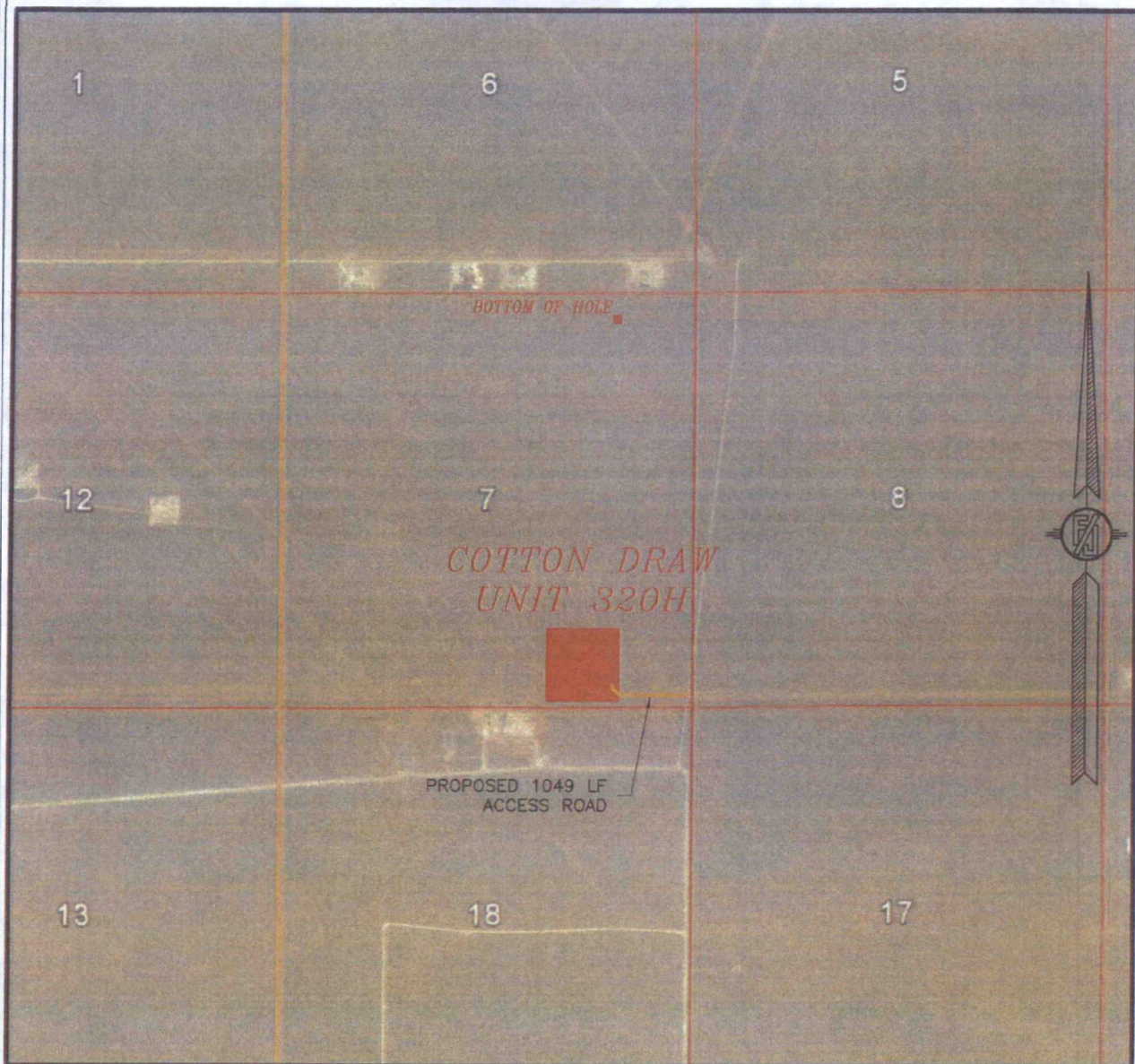
FROM THE INTERSECTION OF STATE HIGHWAY 128 & CR 1 (ORLA HIGHWAY) GO SOUTH ON CR 1 APPROX. 6.2 MILES TO MONSANTO ROAD ON RIGHT (WEST). TURN WEST ON MONSANTO ROAD GO APPROX. 2.1 MILES ROAD TURNS RIGHT (NORTH). GO NORTH APPROX. 0.9 MILE ROAD TURNS LEFT (WEST). GO WEST APPROX. 25'. TURN RIGHT (NORTH) GO NORTH APPROX. 954' TO A PROPOSED ROAD LATH ON LEFT (WEST). FOLLOW PROPOSED ROAD LATHS WEST APPROX. 887', THEN NORTHWEST 132', THEN 30' NORTH (TOTAL OF 1049') TO THE SOUTHEAST PAD CORNER FOR THIS LOCATION.

SURVEY NO. 4293A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



SECTION 7, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
**AERIAL PHOTO**



NOT TO SCALE  
AERIAL PHOTO:  
GOOGLE EARTH  
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**COTTON DRAW UNIT 320H**

LOCATED 640 FT. FROM THE SOUTH LINE  
AND 1405 FT. FROM THE EAST LINE OF  
SECTION 7, TOWNSHIP 25 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

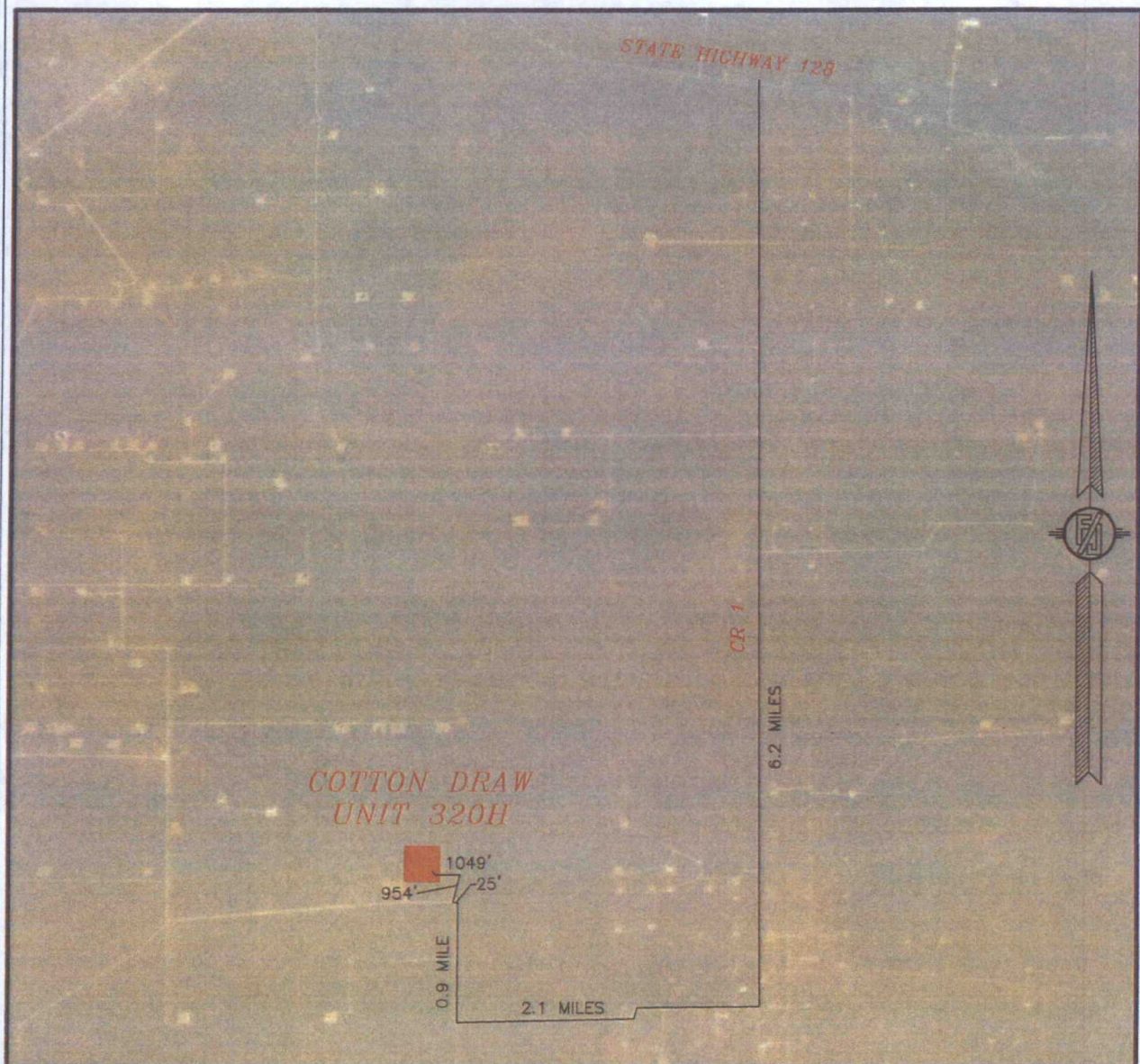
APRIL 26, 2016

SURVEY NO. 4293A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



SECTION 7, TOWNSHIP 25 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
ACCESS AERIAL ROUTE MAP



NOT TO SCALE  
AERIAL PHOTO:  
GOOGLE EARTH  
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**COTTON DRAW UNIT 320H**  
LOCATED 640 FT. FROM THE SOUTH LINE  
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SECTION 7, TOWNSHIP 25 SOUTH,  
RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO

APRIL 26, 2016

SURVEY NO. 4293A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



# One Mile Radius Map

Estimated distances to nearest wellbores:

\*From SHL: Cotton Draw Unit 252H 535 ft W  
 Cotton Draw Unit 252H 625 ft NW  
 Trionyx 6 Fed 8H 620 ft NW  
 \*From BHL: Trionyx 6 Fed 7H 590 ft NW

25S 32E

12

6

5

7

8

18

17

devon

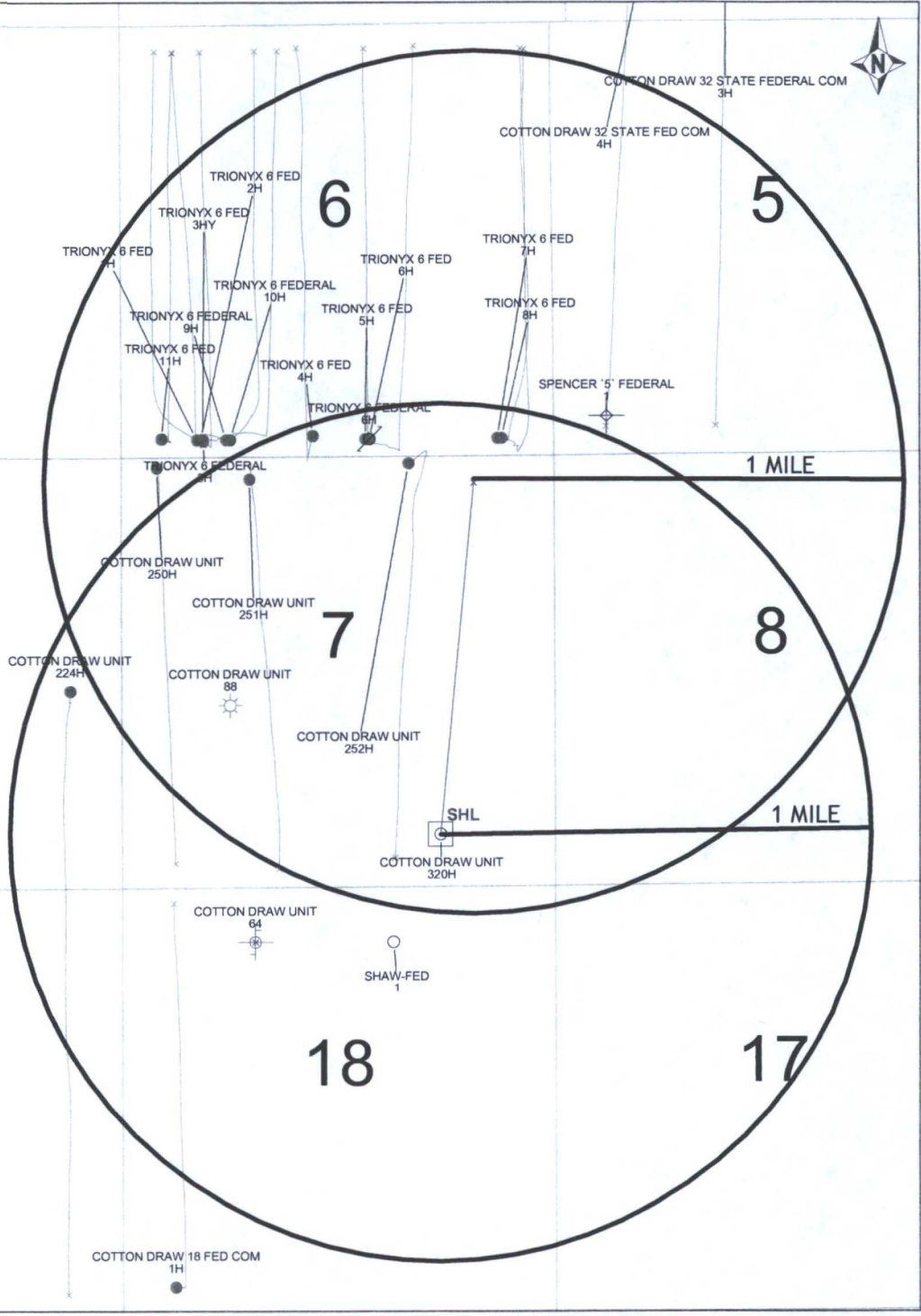
Cotton Draw Unit 320H

One Mile Radius Map

0 2,003  
 FEET

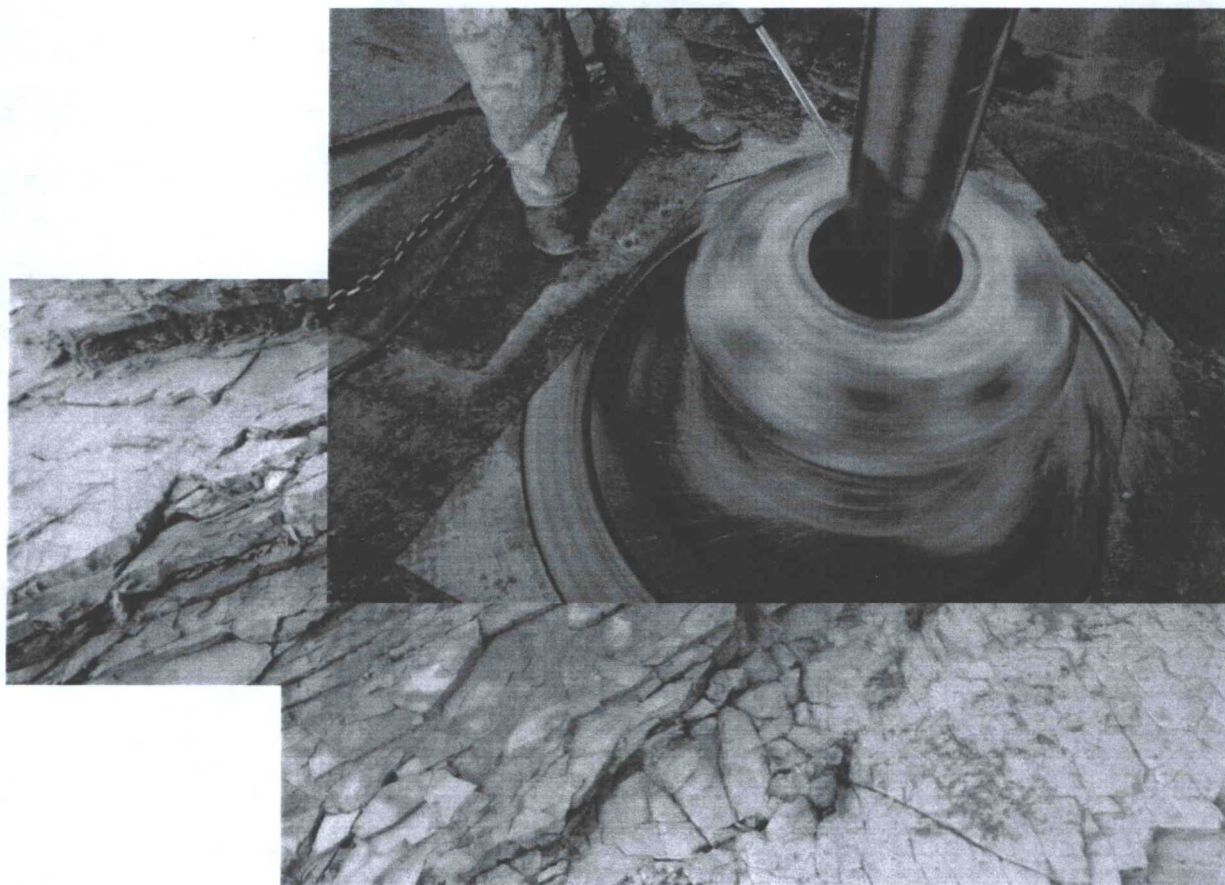
WELL SYMBOLS  
 ABANDONED WATER WELL  
 DRY AND ABANDONED WELL  
 GAS PRODUCING WELL  
 JUNKED AND ABANDONED  
 OIL PRODUCING WELL  
 PROPOSED

January 27, 2016





Commitment Runs Deep



Design Plan  
Operation and Maintenance Plan  
Closure Plan

SENM - Closed Loop Systems  
June 2010



## I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

## II. Operations and Maintenance Plan

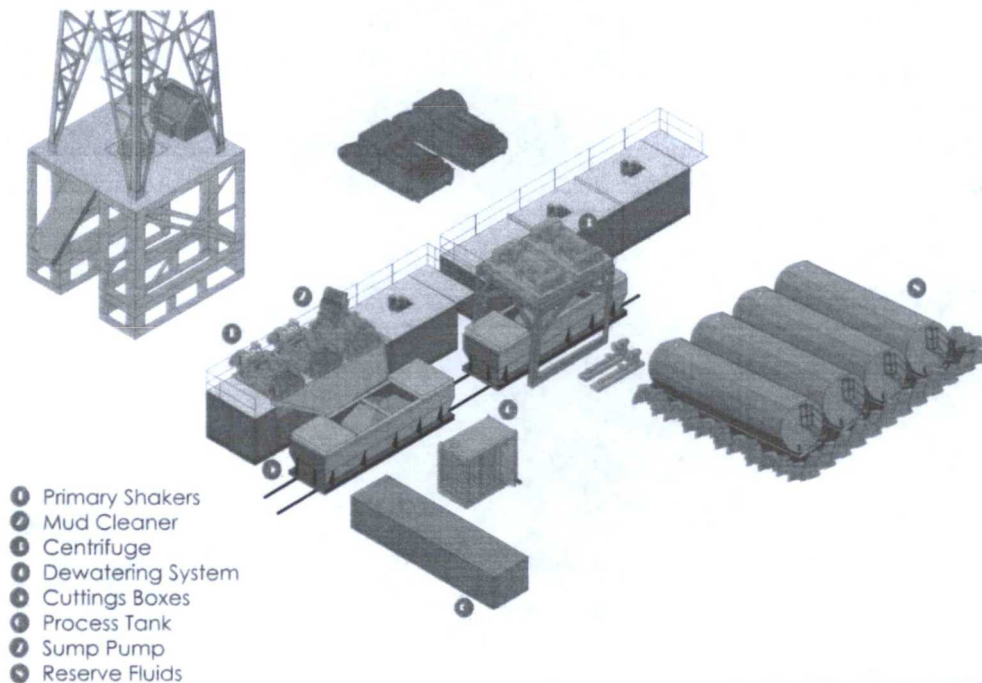
*Primary Shakers:* The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.



**Mud Cleaner:** The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.



Closed Loop Schematic



**Centrifuges:** The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

**Dewatering System:** The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The



dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

*Cuttings Boxes:* Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

*Process Tank:* (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

*Sump and Sump Pump:* The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

*Reserve Fluids (Tank Farm):* A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe





Fluid Technology

ContiTech Beattie Corp.  
Website: [www.contitechbeattie.com](http://www.contitechbeattie.com)

Monday, June 14, 2010

RE: Drilling & Production Hoses  
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

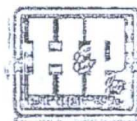
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson  
Sales Manager  
ContiTech Beattie Corp

ContiTech Beattie Corp,  
11535 Brittmoore Park Drive,  
Houston, TX 77041  
Phone: +1 (832) 327-0141  
Fax: +1 (832) 327-0148  
[www.contitechbeattie.com](http://www.contitechbeattie.com)





RIG 212



## QUALITY DOCUMENT

**PHOENIX RUBBER  
INDUSTRIAL LTD.**

 6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged, P. O. Box 152  
 Phone: (3662) 566-737 • Fax: (3662) 566-738

 SALES & MARKETING: H-1092 Budapest, Ráday u. 42-44. Hungary • H-1440 Budapest, P. O. Box 26  
 Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.takusemerge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 552	
PURCHASER: Phoenix Beattie Co.			P.O. N°: 1519FA-871		
PHOENIX RUBBER order N°: 170466		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 34128		NOMINAL / ACTUAL LENGTH: 11,43 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature  <div style="text-align: center;">See attachment. (1 page)</div>					
↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	720	719	AISI 4130	C7626	
			AISI 4130	47357	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date:	Inspector		Quality Control		
29. April. 2002.			PHOENIX RUBBER Industrial Ltd. Hose Inspection and Pressure Testing PHOENIX RUBBER & C.		



40920-0-00015 N800C 14094-65

8	CL	+0.000	0.00	14.00		
	RD	+0.000	0.00	14.00		
	SL	+10.000	0.00	14.00		
7	CL	+0.000	0.00	40.00	60	80
	RD	+0.000	0.00	40.00	60	80
	SL	+10.000	0.00	40.00	60	80
6	CL	+0.000	0.00	13.00		
	RD	+0.000	0.00	13.00		
	SL	+10.000	0.00	13.00		
5	CL	+0.000	0.00	13.00		
	RD	+0.000	0.00	13.00		
	SL	+10.000	0.00	13.00		
4	CL	+0.000	0.00	13.00		
	RD	+0.000	0.00	13.00		
	SL	+10.000	0.00	13.00		
3	CL	+0.000	0.00	13.00		
	RD	+0.000	0.00	13.00		
	SL	+10.000	0.00	13.00		
2	CL	+0.000	0.00	13.00		
	RD	+0.000	0.00	13.00		
	SL	+10.000	0.00	13.00		

*[Signature]*  
**PHOENIX RUBBER**  
 Industrial Ltd.  
 Hose Inspection and  
 Certification Dept.

VERIFIED TRUE CO.  
 PHOENIX RUBBER CO.



# RIG LOCATION LAYOUT

## 6 WELL PAD

Cotton Draw Unit 320H

