GW - ___19___

MECHANICAL INTEGRITY TEST (MIT)

Chavez, Carl J, EMNRD

From: Gray, Darold, EMNRD
Sent: Tuesday, March 30, 2010 12:16 PM
To: Chavez, Carl J, EMNRD
Subject: RE: OCD Max Surf Inj Pres Calc (MSIP)

Thanks for your guidance, to help me find this information. FYI- the test being performed yesterday was a 30 minute test, and he said he would retest them at 300. He was only testing the Leonard St. #2 well yesterday. He said sometime this week they were going to do a 4-hr. test, and some kind of nitrogen test.

From: Chavez, Carl J, EMNRD
Sent: Monday, March 29, 2010 4:28 PM
To: Gray, Darold, EMNRD
Subject: OCD Max Surf Inj Pres Calc (MSIP)

Darold:

Hey. FYI, I have added or placed the appropriate calculation under the "OCD Training" folder at the following location(s):

L:\ENVIRONM\WORD\COMMON\OCD Training\OCD PROGRAMS\UIC PROGRAM\TRAINING\UIC Training 2-25-09\UIC Well Test Procedures\Well Tests\Max Surf Inj Pres Calculations

L:\ENVIRONM\WORD\COMMON\OCD Training\OCD PROGRAMS\UIC PROGRAM\TRAINING\UIC Training 2-25-09\UIC Program\8 Max Injection Pressure Calc

L:\ENVIRONM\WORD\COMMON\OCD Training\OCD PROGRAMS\UIC PROGRAM\TRAINING\UIC Training 2-25-09\UIC Well Test Procedures\MIT Pass-Fail

I want to make sure it is readily accessible. Thanks.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3490
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/index.htm
(Pollution Prevention Guidance is under "Publications")

Company Sacra Bros

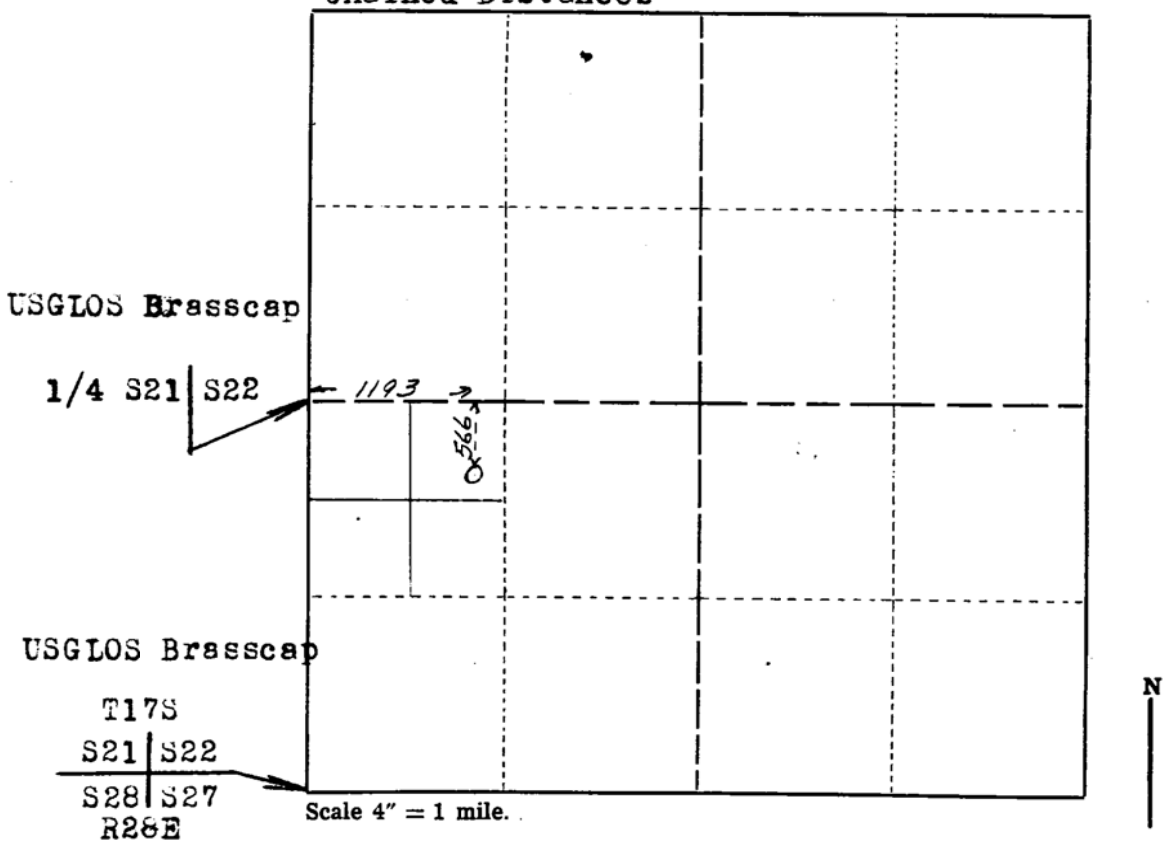
Lease Leonard-State Well No. 1

Sec. 22 T. 17 S., R. ~~28~~ 29 E., N.M.P.M.

Location NE¼NW¼SW¼ (1193' fr WL & 2069' fr SL)

County Eddy, New Mexico

Chained Distances



Scale 4" = 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

John A. Mathis Jr.
Registered ~~Professional Engineer and~~ Land Surveyor.

Seal:

Artesia, New Mexico

Surveyed June 1, 19 53

17532 Advocate Print

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugg result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. Se instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

June 10, 1953 (Date) Artesia, N. (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Sacra Brothers Co. (Company or Operator) (Lease)

Olen F. Featherstone (Contractor), Well No. 1 in the NW ¼ SW ¼ of S

T. 17S, R. 29E, NMPM., Pool, Eddy

The Dates of this work were as folows: May, 1952

Notice of intention to do the work ~~(was)~~ (was not) submitted on Form C-102 on (Cross out incorrect words)

and approval of the proposed plan ~~(was)~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled into Cowden Anhydrite and set 7" OD casing just above lower salt section. Circulated cement to to p. Drilled to bottom of lower salt section, and ran 3" tu Circulated fresh water in lower salt section to create cavity of 500,000 gallons. was loaded with 483,000 gallons of propane in October and unloaded in February and Beginning in August will be washed again until capacity reaches 1,000,000 gallons.

Witnessed by B. N. Muncy, Jr. (Name) Sacra Brothers Co. (Company) Gen. Mgr. (Title)

Approved: OIL CONSERVATION COMMISSION

L. A. Hanson (Name)

NOV 12 1953 (Date)

I hereby certify that the information given above is true to the best of my knowledge.

Name B. N. Muncy Jr.

Position Gen. Mgr.

Representing Sacra Brothers Co.

Address 402 North First Artesia, N

Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing....., 19.....

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was was oil; .....% was emulsion; .....% water; and.....% was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico			
T. Anhy		T. Devonian		T. Ojo Alamo	
T. Salt		T. Silurian		T. Kirtland-Fruitland	
B. Salt		T. Montoya		T. Farmington	
T. Yates		T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres		T. Granite		T. Dakota	
T. Glorieta		T.		T. Morrison	
T. Drinkard		T.		T. Penn	
T. Tubbs		T.		T.	
T. Abo		T.		T.	
T. Penn		T.		T.	
T. Miss		T.		T.	

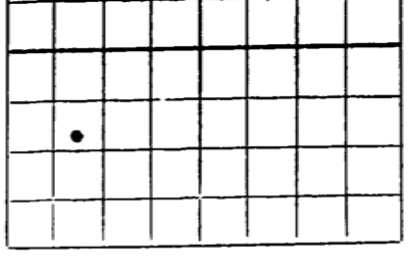
FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	70	70	Sandstone				
70	350	280	Gypsum and Selenite				
350	410	60	Halite-SomePolyhalite				
410	439	29	No samples				
439	441	2	Halite-some brown clay				
441	442	1	Anhydrite				
442	443	1	Brown clay				
442	459	7	Halite-very little clay				
459	461	2	Polyhalite				
461	488	17	Halite				
488	502	14	Halite-some polyhalite				
502	514	12	Anhydrite				
514	516	2	Gray caly				
516	669	153	Halite				
669	672	3	Anhydrite-Polyhalite				
672	673	1	Brown clay-Halite				
673	676	3	Polyhalite-Anhydrite				

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE
No. Copies Received 6

Operator	
State Land Office	1
Proration Office	
State Land Office	1
U. S. G. S.	2
Transporter	
Gas	1
B. of Mines	1

USE SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED



AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Sacra Brothers Co. (Company or Operator) Leonard-State (Lease)

Well No. 1, in NW ¼ of SW ¼, of Sec. 22, T. 17S, R. 29E, NMPM.

Pool, Eddy County.

Well is 1193 feet from west line and 2069 feet from south line of Section 22. If State Land the Oil and Gas Lease No. is

Drilling Commenced May, 1952 Drilling was Completed May, 1952

Name of Drilling Contractor Olen F. Featherstone

Address Booker Building Artesia, N. M.

Elevation above sea level at Top of Tubing Head 3544.40 The information given is to be kept confidential until , 19

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
7"OD	20#	New	439	Texas Pat.			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
8 5/8	7"OD	439	75	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

SUBJECT: STORAGE LIQUEFIED PETROLEUM G

November 10, 1953

APPLICATION OF SACRA BROTHERS COMPANY FOR PERMISSION TO DRILL A WELL FOR THE STORAGE OF LIQUEFIED PETROLEUM GAS IN NW/4 SW/4 SECTION 22, TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

ORDER NO. LPG-5

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-313 in Case 523, and Rule 705 of the Commission's Rules and Regulations established thereunder, Sacra Brothers Company made application to the Commission on October 29, 1953, for authority to drill an LPG-storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM Eddy County, New Mexico, and

The Secretary - Director Finds:

(1) That application has been duly filed in proper form under the provisions of Rule 705;

(2) That satisfactory information has been provided that all operators of offset acreage within a one-half mile radius of the proposed well have been notified of the operators intention; and

(3) That no objections have been received within the ten-day waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Sacra Brothers Company, be and it hereby is authorized to complete its projected LPG storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, as a storage well for liquefied petroleum gas;

That the effectiveness of this order is conditional upon the stipulation that the well be drilled to an approximate depth of 675', as set forth in operator's application, at which point a storage cavity will be washed out in the salt section for the specified use; further, that the Commission's approval be secured through Form C-101, Notice of Intention to Drill, and subsequent actual inspections of the casing operations on said well.

No part of this order shall be construed as relieving Sacra Brothers Company from liability to any person, firm or corporation as a result of the drilling or operation of such storage project.

By authority granted under provisions of Rule 705 of the Commission's Rules and Regulations, this order is issued and approved this 10th day of November, 1953.

State of New Mexico
Oil Conservation Commission

SEAL

R. R. Spurrier, Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-116
Revised 7/1/55

RECEIVED
DEC 8 1959
O. C. C.
ARTESIA, OFFICE

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Arrow Gas Company Lease # BL - 96

Well No. 1-2-3 Storage for LPG Unit Letter 22 S 17S T 29 ER Pool

County Eddy Kind of Lease (State, Fed. or Patented) State

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate

Address Box 1294, Roswell, N. M.
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas

Address Date Connected
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Under Ground Storage for Liquefied Petroleum Gas.

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership (XX) Other ( )

Remarks: (Give explanation below)

Change in ownership from Sacra Brothers Co. to Arrow Gas Company
$10,000 Blanket Plugging Bond # 17196

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 7th day of December 1959

By T. J. Murray T J Murray

Title Secretary

Company Arrow Gas Company

Address Box 1294, Roswell, N. M.

Approved DEC 8 1959 19

OIL CONSERVATION COMMISSION

By M L Armstrong

Title OIL AND GAS INSPECTOR

MAR 29, 2002

PAGE 1

WELLS INVOLVED IN NAME CHANGE
FINAL LIST WITH G104B

OPERATOR: 186724 COLUMBIA PROPANE LP

OCD DISTRICT: ARTESIA

OPERATOR INITIALS RHK

PROP-ERTY	WELL NAME	ULSTR	OCD UNIT LTR	API
29495	LEONARD #001	L-22-17S-29E	L	30-015-06192
	LEONARD #002	L22-17S-29E	L	30-015-06193
	LEONARD #003	L22-17S-29E	L	30-015-06194

1

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-104B
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator Name

OGRID: 186724
Effective Date: August 21, 2001

Previous Operator Name and Information:

Name: Columbia Propane, L.P.
Address: 10710 Midlothian Turnpike
Address: Suite 200
City, State, Zip: Richmond, VA 23235

New Operator Name and Information:

New Name: AmeriGas Eagle Propane, L.P.
Address: 460 North Gulph Road
Address:
City, State, Zip: King of Prussia, PA 19406

I hereby certify that* the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Robert H. Knauss

Printed name: Robert H. Knauss

Title: Vice President - Law of AmeriGas Eagle Holdings, Inc., the general partner of AmeriGas Eagle Propane, L.P.

Date: April 8, 2002 Phone: (610) 337 - 1000, ext. 3393

APR 2002
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OCD - ARTESIA

* , upon the filing and approval of this Form C-104B,

NMOCD Approval

Signature: Tim W. Gum

Printed Name:

District: District Supervisor

Date: APR 22 2002

RECEIVED
JUL 1 2002

MAW

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-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:

OGRID: 186724
Name: AmeriGas Eagle Propane, L.P.
Address: 460 NorthGulph Road
Address:
City, State, Zip: King of Prussia, PA 19406

New Operator Information:

Effective Date:
New Ogrid:
New Name: Loco Hills GSF Ltd.
Address: 158 Deer Creek Drive
Address:
City, State, Zip: Aledo, TX 76008

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Mitch Johnson
Printed name: MITCH JOHNSON
Title: MANAGING PARTNER
Date: 6/25/02 Phone: 817-441-6568

JUL 2002
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OCD - ARTESIA

Previous operator complete below:

Previous Operator: AmeriGas Eagle Propane, L.P.
Previous OGRID: 186724
Signature: Robert H. Knauss
Printed Name: Robert H. Knauss, Esq.
Vice President - Law of AmeriGas Eagle Holdings, Inc. the general partner of AmeriGas Eagle Propane, L.P.

NMOCD Approval

Signature:
Printed Name: District Supervisor
District:
Date: 1-28-03

30-015-06192

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised March 25, 1999

WELL API NO. 06192	
5. **Indicate Type of Lease** STATE ☑ FEE ☐	
6. **State Oil & Gas Lease No.** BL-635	
7. **Lease Name or Unit Agreement** Name: 30-015 06192 Leonard	
8. **Well No.** 1	
9. **Pool name or Wildcat**	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. **Type of Well:**
Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2. **Name of Operator**
John B Smith

3. **Address of Operator**
158 Deer Creek Drive Aledo, Texas 76008

4. **Well Location**

Unit Letter L : 2,069 feet from the South line and 1,193 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

10. **Elevation** *(Show whether DR, RKB, RT, GR, etc.)*
GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

If M.I.T. test fails will pour + squeeze cement, above plug, under pressure

If no loss of cement circulate cement to surface and abandon.

Estimated start date June 23 2003

* Previous set CIBP @ 515' with 5 sx cement on Top of CIBP.

* Notify N.M.O.C.D. to witness plugging operations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 6/14/03

Type or print name John B. Smith Telephone No. 505-622-2331

(This space for State use)

APPPROVED BY Mike Stubblefield TITLE Environ. Eng. Spec. DATE 6/16/2003

Conditions of approval, if any:

* Perforate 5 1/2" casing @ 475'. Squeeze cement under packer with 25 sx cement leaving 100' cement plug inside 5 1/2" casing. Top Top hole cement to surface

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 87210
District III
1000 Rio Brazos Rd., 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

RECEIVED
OCD - ARTESIA

Form C-103
Revised March 25, 1999

WELL API NO. 30-015-06192	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. BL-635	
7. Lease Name or Unit Agreement Name: LEONARD #1 ~~Loco Hills GSP~~	
8. Well No. 1	
9. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt Dome storage
2. Name of Operator LOCO Hills GSF, LTD ~~John B. Smith~~ (505-677-2331)
3. Address of Operator P.O. Box 37 Loco Hills, New Mexico 88255
4. Well Location

Unit Letter L : 2069 S feet from the South line and 1193 feet from the West line

Section 22 Township 17S Range ~~16~~ 28E NMPM County Eddy

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)* GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☑	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Remove and Replace Tubing
Well #1 1/16/03

Tubing Replaced
open hole casing Test
Test method Nitrogen
NAIT after tubing replacement 1/24/03
chart recording submitted
by Mike Stubblefield 1/27/03

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B. Smith TITLE Terminal Operator DATE 1/28/03

Type or print name John B. Smith Telephone No. 505-677-2331

(This space for State use)

APPPROVED BY Mike Stubblefield TITLE Enviro. Eng. Spec. DATE 2/21/2003

Conditions of approval, if any:

S

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised March 25, 1999

WELL API NO. 06192	
5. **Indicate Type of Lease** STATE ☑ FEE ☐	
6. **State Oil & Gas Lease No.** BL-635	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. **Lease Name or Unit Agreement Name:** Leonard
1. **Type of Well:** Oil Well ☐ Gas Well ☐ Other Salt Dome Storage	
2. **Name of Operator** John B Smith	8. **Well No.** 1
3. **Address of Operator** 158 Deer Creek Drive Aledo, Texas 76008	9. **Pool name or Wildcat**
4. **Well Location** Unit Letter L : 2,069 feet from the South line and 1,193 feet from the West line; Section 22 Township 17S Range 29E NMPM County Eddy	
10. **Elevation** *(Show whether DR, RKB, RT, GR, etc.)* GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

If M.I.T. test fails will pour + squeeze cement, above plug, under pressure

If no loss of cement circulate cement to surface and abandon.

Estimated start date June 23, 2003

* Previous set CIBP @ 515' with 5 sx cement on top of CIBP.

* Notify N.M.O.C.D. to witness Plugging Operations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 6/14/03

Type or print name John B. Smith Telephone No. 505-677-2331

(This space for State use)

APPPROVED BY Mark Whitfield TITLE Environ. Eng. Spec. DATE 6/16/2003.

Conditions of approval, if any:

* Perforate 5½" casing @ 475'. Squeeze cement under packer with 25 sx cement leaving 100' cement Plug inside + Outside 5½" casing - TAG TOC. Circulate cement to surface.

S

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 06192	
5. **Indicate Type of Lease** STATE ☒ FEE ☐	
6. **State Oil & Gas Lease No.** BL-435	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. **Lease Name or Unit Agreement** Name: Leonard
1. **Type of Well:** Oil Well ☐ Gas Well ☐ Other Salt Dome Storage	
2. **Name of Operator** John B Smith	8. **Well No.** 1
3. **Address of Operator** 158 Deer Creek Drive Alvada Texas 76008	9. **Pool name or Wildcat**
4. **Well Location** Unit Letter L : 2,069 feet from the South line and 1,193 feet from the West line; Section 22 Township 17S Range 29E NMPM County Eddy	
10. **Elevation** *(Show whether DR, RKB, RT, GR, etc.)* GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Run cast iron bridge plug at 515'. Cement above Bridge plug class C cement (5 sack mix); let set and run MIT casing test (300# for 30 minutes). If passes open hole cavern test (Nitrogen) 1½ times working pressure for 4 hours

Estimated start date June 23, 2003

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE June 3, 2003

Type or print name John B Smith Telephone No. 505-677-23

(This space for State use)

APPPROVED BY Mark Sitlefield TITLE Environ. Eng. Spec. DATE 6/16/2003.

5

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised June 10, 2003

WELL API NO. 30-015-06192	
Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No. BL-635	
7. Lease Name or Unit Agreement Name Leonard	
8. Well Number #1	
9. OGRID Number	
10. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☑ Other Salt Dome storage
2. Name of Operator Loco Hills GSF
3. Address of Operator 158 Deer Creek Drive Aledo, Texas 76008
4. Well Location

Unit Letter L : 2069 feet from the South line and 1193 feet from the west line

Section 22 Township 17S Range 29E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* LR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☒	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Run cement bond log. If void exists in cement perforate casing + squeeze cement to fill void. If needed circulate cement from plug to surface. Let set and drill out. Perform MIT casing test (300 psi for 30 minutes) If passes then do open hole cavern test. (Nitrogen test not to exceed 300 psi) for 4 hours

CBL 6/26/03 2:00 AM

other ASAP after C.B.L

* Notify NMOCD to witness Repair + Test Actions taken on well.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B. Smith TITLE Terminal Operator DATE 6/25/03

Type or print name John B. Smith E-mail address: Telephone No. (575) 677-2331

(This space for State use)

APPPROVED BY Mike Stubblefield TITLE Environ. Eng. Spec. DATE 6/26/2003

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised March 25, 1999

5

RECEIVED
FEB 2004
OCD-ARTESIA

WELL API NO. 30-15-06192	
5. Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No. BL 635	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name: Leonard
1. Type of Well: Oil Well ☐ Gas Well ☑ Other Salt dome storage	
2. Name of Operator Loco Hills GSF LTD	8. Well No. #1
3. Address of Operator 158 Deer Creek Prim Aledo, Texas 76008	9. Pool name or Wildcat
4. Well Location	

Unit Letter L 2069 feet from the South line and 1193 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.) GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☑	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Set composit bridge plug at 523'. Run 523' 4" FJ 45 J-55-10# inside 5½ casing. (.779" clearance between 5½ I.D. and 4" O.D.)

Circulate cement from plug to surface. Inside 4" run run 2⅜" FL 45 J-55 tubing to 623'

When completed do MIT casing test. Not less than 300# for 30 minutes and open cavern test (N. trough) 4hr at 300# (OCD will be notified prior to start and before test.) Estimated start date 15-February and March 1st 2004

Estimated Pressure 4" 240# 2⅜" tubing 50-80# Frac Pressure of well 390#

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B. Smith TITLE Terminal Operator DATE 02/03/04

Type or print name John B. Smith Telephone No. (505)-677-2331

(This space for State use)

APPPROVED BY Mark Ashley TITLE Environ. Eng. Spec. DATE 2/12/2004

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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APR 0 6 2004
OCD-ARTESIA

S

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-15-06192

5. Indicate Type of Lease
STATE ☑ FEE ☐

6. State Oil & Gas Lease No.
BL-635

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Leonard

1. Type of Well:
Oil Well ☐ Gas Well ☑ Other Salt Dome Storage

2. Name of Operator
Lone Hills BSF LTD

8. Well No.
Leonard State #1

3. Address of Operator
158 Deer Creek Drive Alamo, Texas 78008

9. Pool name or Wildcat

4. Well Location

Unit Letter L : 2065 feet from the South line and 1193 feet from the West line

Section 22 Township 12S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
66

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☑
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation. Set CIBP at 517'; spotted 15 sacks of cement on top of plug. Drilled cement to 514'. Ran 4' FJ45 to 514', pumped 25 sacks cement between 5½' and 4' circulated to surface - 9 BBLS circulated to pit. Let set 36 hrs.
Drilled out to 514'. Ran C. Bond + MIT on casing (510# for 30m
CBL chart included.
Open hole test (Nitrogen) waived by Wayne Price - E-mail March 31, 2004. Drilled out C.I.B.P.
Ran 2 3/8" FJ45 5.55 to 630' Nipple up Well Head March 26, 20

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 4/6/04

Type or print name John B Smith Telephone No. (505) 622-233

(This space for State use)

APPPROVED BY Record TITLE DATE 4-6-04

Conditions of approval, if any:

MIT Casing Test 300# min. 30 minutes

3-24-04

Loco Hills GSP

API # 30-15-06192

Loco Hills # 1 Leonard State #1

L-22-17S-29E

J. B. Smith

O.C.D.

Mike Stubblefield

Mike Stubblefield

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-1000

10:03 AM

METER

CHART PUT ON

TAKEN OFF

LOCATION

REMARKS

RECEIVED
APR 06 2004
OCD-ARTESIA

30-015-06192.

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 265-WC325

Pressure Range 1000# **p.s.i. accuracy +/-** 0.2% **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0	800.0#	800.0#	0.0
100.0#	100.0#	0.0	600.0#	600.0#	0.0
300.0#	300.0#	0.0	400.0#	400.0#	0.0
500.0#	500.0#	0.0	200.0#	200.0#	0.0
700.0#	700.0#	0.0	0.0#	0.0#	0.0
1000.0#	1000.0#	0.0			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 03/25/2004 **Inspector** [signature]

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised March 25, 1999

WELL API NO. 30-015-06192

5. **Indicate Type of Lease** STATE ☒ FEE ☐

6. **State Oil & Gas Lease No.** BL-635

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. **Lease Name or Unit Agreement** Name: Leonard State

1. **Type of Well:** Oil Well ☐ Gas Well ☒ Other Salt Dome Storage

2. **Name of Operator** Loco Hills GSF LTD

8. **Well No.** 1

3. **Address of Operator** 1231 Old Annutha Rd. Aledo, Texas 76008

9. **Pool name or Wildcat**

4. **Well Location**

Unit Letter L : 2069 feet from the South line and 119.3 feet from the West line

Section 22 Township 17-S Range 29 E NMPM County Eddy

10. **Elevation** *(Show whether DR, RKB, RT, GR, etc.)* GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☒	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Sonar Test of well for Capacity, and configuration

After Sonar test run MIT test on casing (300psig for 30min) chart recorded

Open hole Nitrogen test. Appx 300# for 4 hours chart recorded

Estimated start date June 2, 2009

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 5/15/09

Type or print name John B. Smith Telephone No. 575) 677 2331

(This space for State use)

APPPROVED BY Signed By Mike Bratcher TITLE Eng. Spec DATE MAY 18 2009

Conditions of approval, if any: provide OCD 24 Hrs notice prior to performing tests

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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

JUN - 8 2009

Form C-103
Revised March 25, 1999

WELL API NO. 30-015-06192

5 Indicate Type of Lease: STATE ☒ FEE ☐

6 State Oil & Gas Lease No. BL-635

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7 Lease Name or Unit Agreement Name: Leonard State

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2 Name of Operator: Loco Hills GSF LTD

8 Well No. #1

3. Address of Operator: 1231 Old Aurora Rd Alvada, Texas 76008

9 Pool name or Wildcat

4. Well Location

Unit Letter L 2067 feet from the South line and 1123 feet from the West line

Section 22 Township 17-S Range 27-E NMPM County Eddy

10 Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER: MIT & Nitrogen Test	☐		

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. For Multiple Completions Attach wellbore diagram of proposed completion or recompilation

June 3, 2009
1. MIT on casing 370# for 30 minutes (chart enclosed)
Tension Packer set 523 ft. (T.P. 525')
2. Ran Sonar on well #1

June 4, 2009 Injected Nitrogen for Open hole Test

June 5, 2009 Ran open hole Nitrogen test 270# for 4 hours, Chart enclosed

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

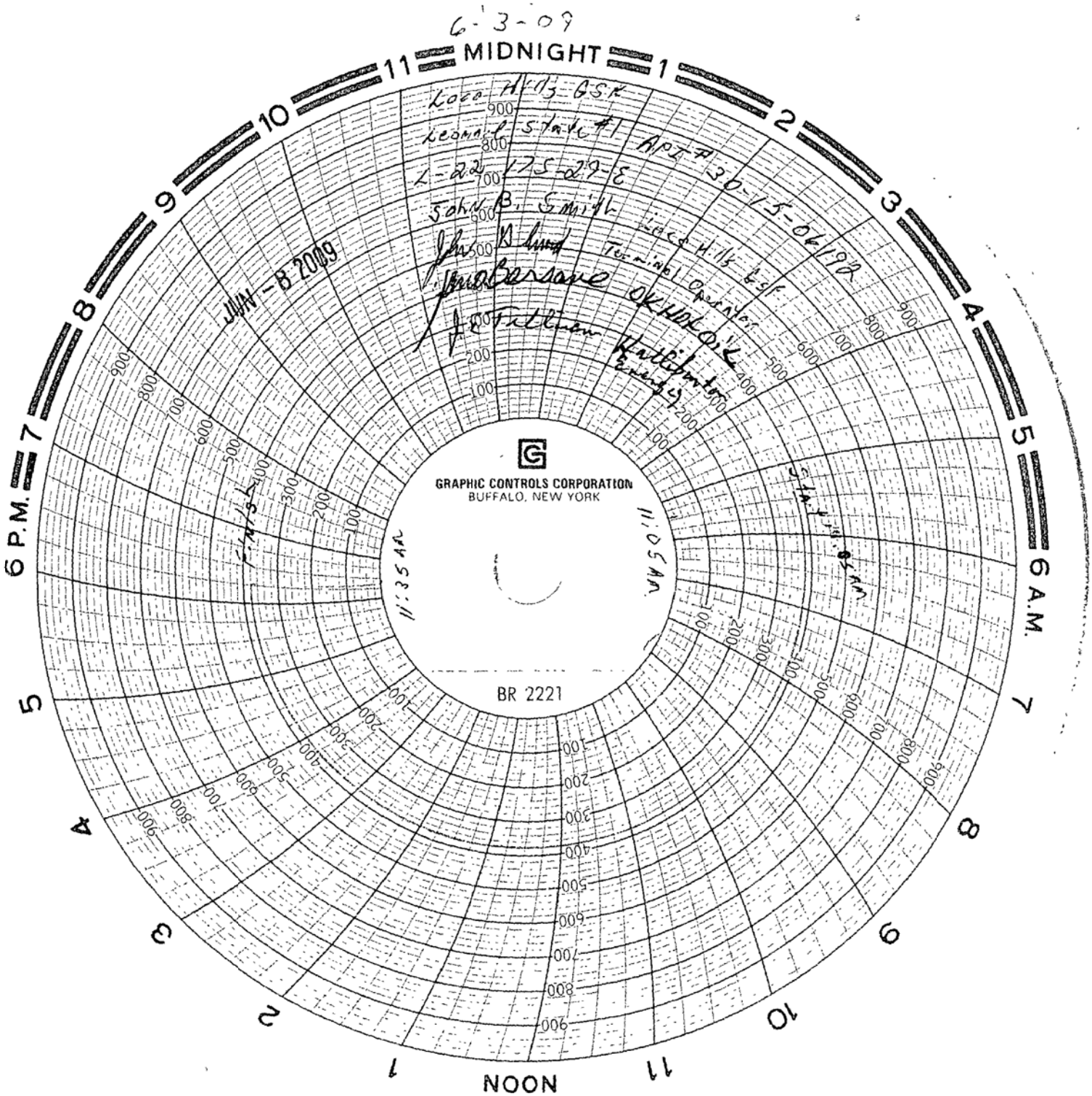
SIGNATURE John B Smith TITLE Terminal Operator DATE 6-5-09

Type or print name John B Smith Telephone No. (575) 677-2331

(This space for State use)

APPPROVED BY Accepted for record NMOCD TITLE DATE JUN 09 2009

Conditions of approval, if any


6-3-09
MIDNIGHT
NOON
6 A.M.
6 P.M.
JUN - 8 2009
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
BR 2221
11:35 AM
11:05 AM
Loco Hills GSF
Leonard Stake #1
API #30-15-06198
L-22 T25-27-E
John B. Smith
Loco Hills East
Terminal Operator
OK Hot Oil
Halliburton Energy
F-1475
F-1475

JUN - 8 2009

Wildcat Measurement Service, Inc.

416 East Main Street
P.O. Box 1836
Artesia, New Mexico 88211
Office: (575)746-3481
Toll Free: 1-888-421-9453

Calibration Certificate

Company Name: OK Hotoil.
Recorder Type: Bristol.
Recorder Serial:# MFG-1877.

Recorder Pressure Range: 0-1000# Accuracy +/-: 0.2% PSIG
Temperature Range:_____ Deg F.

Increasing Pressure			Decreasing Pressure		
Applied Pressure	Indicated Pressure	Error%	Applied Pressure	Indicated Pressure	Error%
0.0#	0.0#	0	800#	800#	0
100#	100#	0	600#	600#	0
300#	300#	0	400#	400#	0
500#	500#	0	200#	200#	0
700#	700#	0	0.0#	0.0#	0
1000#	1000#	0			

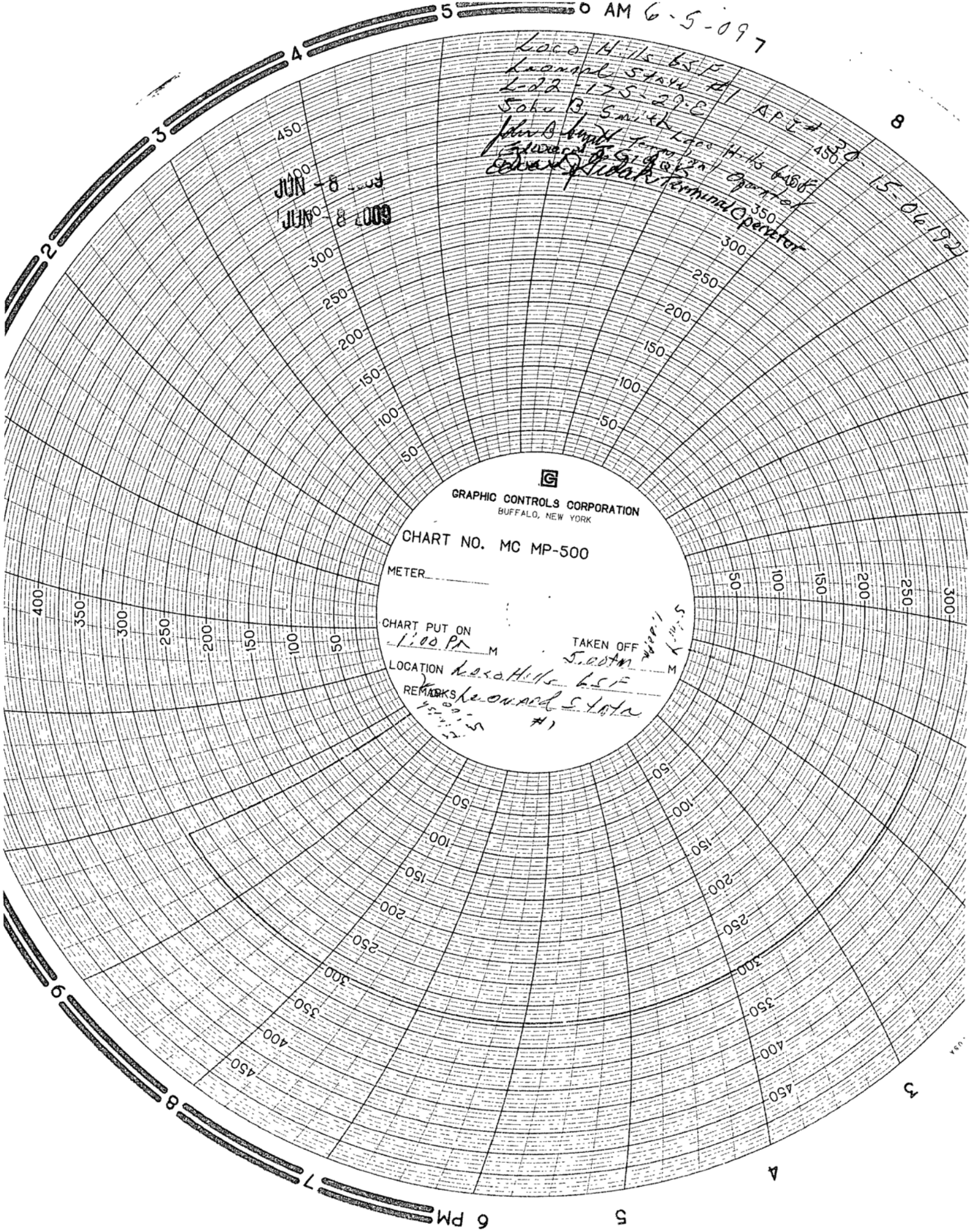
Temperature Test		
Applied Temperature	Indicated Temperature	Error%

Certified Calibration Instrument Used
Gauge: Crystal
Deadweight:_____.

Remarks:_____.
_____.
_____.

Calibration Da 5/29/2009

Technician: Troy Sutherland


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500
METER
CHART PUT ON
1:00 PM
TAKEN OFF
5:00 AM
LOCATION Loco Hills 65F
REMARKS Leonard State #1
Loco Hills 65F
Leonard State #1
L-22-17S-29E
John B. Smith Lease Hills 65F
Edward F. Sigers Operator
Edward F. Sigers Operator
AP I # 30-015-06192
JUN - 8 2009
JUN - 8 2009
AM 6-5-09
6 PM

Wildcat Measurement Service, Inc.

416 East Main Street
P.O. Box 1836
Artesia, New Mexico 88211
Office: (575)746-3481
Toll Free: 1-888-421-9453

JUN -8 2009

Calibration Certificate

Company Name:Loco Hills GFS_____.
Recorder Type: Barton_____.
Recorder Serial:# 265-13819_____.

Recorder Pressure Range: 0-500#_____ Accuracy +/-: 0.2%___ PSIG
Temperature Range:_____ Deg F.

Increasing Pressure			Decreasing Pressure		
Applied Pressure	Indicated Pressure	Error%	Applied Pressure	Indicated Pressure	Error%
0.0#	0.0#	0	400#	400#	0
50#	50#	0	300#	300#	0
150#	150#	0	200#	200#	0
250#	250#	0	100#	100#	0
350#	350#	0	0.0#	0.0#	0
500#	500#	0			

Temperature Test		
Applied Temperature	Indicated Temperature	Error%

Certified Calibration Instrument Used
Gauge: Crystal_____
Deadweight:_____.

Remarks:_____,
_____,
_____.

Calibration Da 6/3/2009

Technician: C. Montgomery_____ Chandler Montgomery

SUBJECT: STORA F LIQUEFIED PETROLEUM GAS NOVEMBER 10, 1953

APPLICATION OF SACRA BROTHERS COMPANY FOR PERMISSION TO DRILL A WELL FOR THE STORAGE OF LIQUEFIED PETROLEUM GAS IN NW/4 SW/4 SECTION 22, TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

ORDER NO. LPG-5

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-313 in Case 523, and Rule 705 of the Commission's Rules and Regulations established thereunder, Sacra Brothers Company made application to the Commission on October 29, 1953, for authority to drill an LPG-storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, and

The Secretary - Director Finds:

(1) That application has been duly filed in proper form under the provisions of Rule 705;

(2) That satisfactory information has been provided that all operators of offset acreage within a one-half mile radius of the proposed well have been notified of the operators intention; and

(3) That no objections have been received within the ten-day waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Sacra Brothers Company, be and it hereby is authorized to complete its projected LPG storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, as a storage well for liquefied petroleum gas;

That the effectiveness of this order is conditional upon the stipulation that the well be drilled to an approximate depth of 675', as set forth in operator's application, at which point a storage cavity will be washed out in the salt section for the specified use; further, that the Commission's approval be secured through Form C-101, Notice of Intention to Drill, and subsequent actual inspections of the casing operations on said well.

No part of this order shall be construed as relieving Sacra Brothers Company from liability to any person, firm or corporation as a result of the drilling or operation of such storage project.

By authority granted under provisions of Rule 705 of the Commission's Rules and Regulations, this order is issued and approved this 10th day of November, 1953.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

R. R. Spurrier, Secretary-Director

S E A L

RECEIVED
JUL 7 1953
Oil Cons. Comm.
Artesia Office

Company Sacra Bros

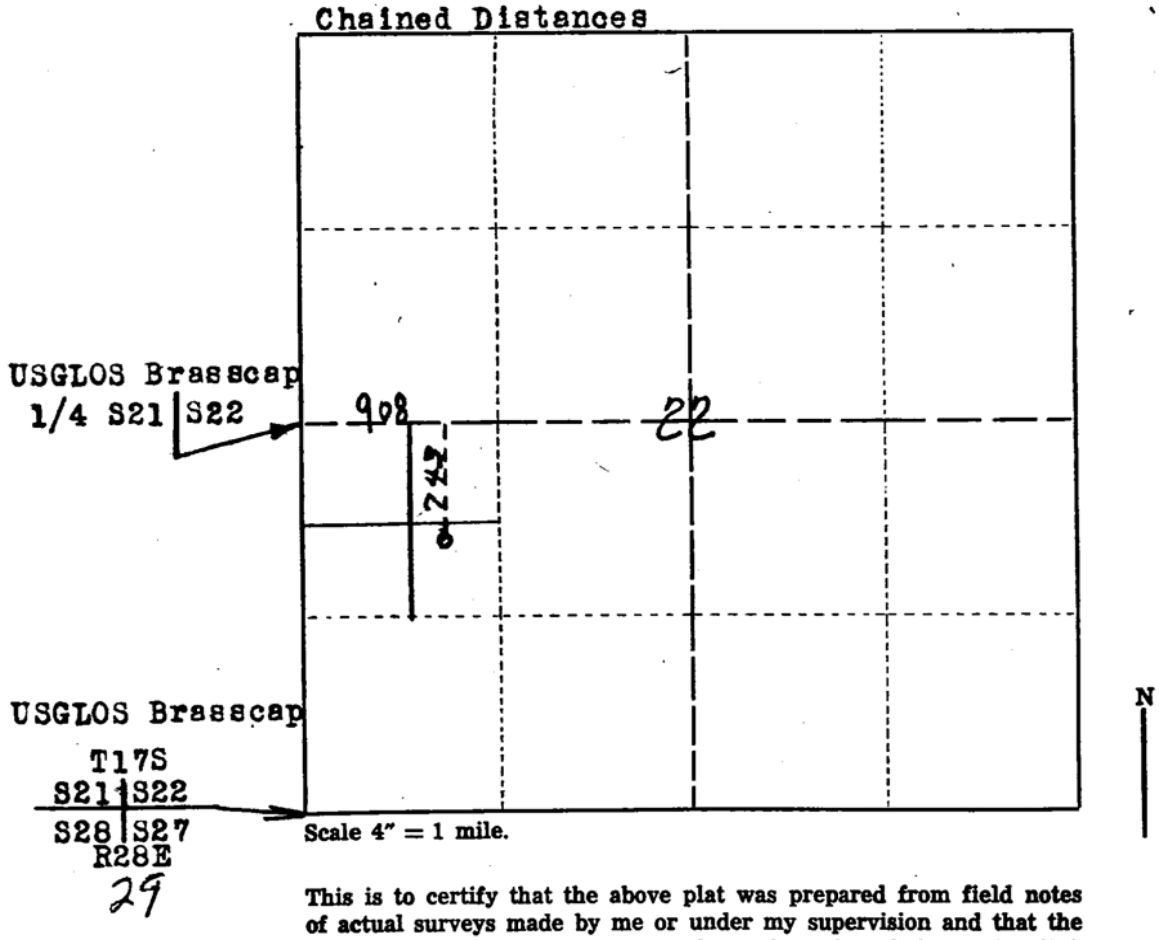
Lease Leonard State Well No. 2

Sec. 22 T. 17 S., R 29 ~~28~~ E., N.M.P.M.

Location SE¼NW¼SW¼(908' fr WL & 1892' fr SL)

County Eddy, New Mexico

Chained Distances



Scale 4" = 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

John A. Mecham Jr.
Registered ~~Professional~~ ~~Engineer and~~ Land Surveyor.

Seal:

Artesia, New Mexico

Surveyed June 1, 1953

17532 Advocate Print

NOV 16 1953

(Form [illegible]
(Revised [illegible])

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
JUN 23 1953

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	x

June 10, 1953 (Date) Artesia, N. M. (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Sacra Brothers Co. (Company or Operator) (Lease)

A. F. Smith (Contractor), Well No. 2 in the NW ¼ SW ¼ of Sec. 22

T. 17S, R. 29E, NMPM., Pool, Eddy County

The Dates of this work were as folows: October 16- Octob er 23,1952

Notice of intention to do the work (~~was~~) (was not) submitted on Form C-102 on (Cross out incorrect words), 19....,

and approval of the proposed plan (~~was~~) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled into Cowden Anhydrite and set & 7" OD casing just above lower salt section. Circulated cement to top. Drilled to bottom of lower salt section, and ran 3" tubing. Circulated fresh water in lower salt section to create cavity. As of June 1, cavity was 7 50,000 gallons in capacity, with washing to continue until cavity reaches 1,000,000 gallons capacity.

Witnessed by B. N. Muncy, Jr. (Name) Sacra Brothers Co. (Company) Gen. Mgr. (Title)

Approved: OIL CONSERVATION COMMISSION

L. C. Larson (Name)

NOV [illegible]

(Title) (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name B. N. Muncy Jr.

Position Gen. Mgr.

Representing Sacra Brothers Co.

Address 402 North First-Artesia, N. M.

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE

No. Copies Received 4

DISTRIBUTION

	NO. FURNISHED	
Operator	/	
Santa Fe	/	✓
Proration Office		
State Land Office	/	
U. S. G. S.		
Transporter		
File	/	

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Sacra Brothers Co. (Company or Operator) Leonard State (Lease)

Well No. 2, in NW ¼ of SW ¼, of Sec. 22, T. 17S, R. 28E, NMPM.

Pool, Eddy County.

Well is 908 feet from west line and 1892 feet from South line

of Section 22. If State Land the Oil and Gas Lease No. is

Drilling Commenced October 16, 19 52 Drilling was Completed October 23, 19 52

Name of Drilling Contractor A. F. Smi th

Address 306 West Chisholm Artesia, N. M.

Elevation above sea level at Top of Tubing Head 3548.45 The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 102 to 107 feet. Rose to 37 ft.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8 OD	24#	New	130'	TexasPat.			Shut off Water
7 OD	20#	New	507'	Texas Pat.			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
8 5/8	7 OD	507	85	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

PRODUCTION

Put to Producing....., 19.....

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was was oil; .....% was emulsion; .....% water; and.....% was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico
T. Anhy 40	T. Devonian	T. Ojo Alamo
T. Salt 260	T. Silurian	T. Kirtland-Fruitland
B. Salt 660	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres	T. Granite	T. Dakota
T. Glorieta	T.	T. Morrison
T. Drinkard	T.	T. Penn
T. Tubbs	T.	T.
T. Abo	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	40	40	Red beds				
40	80	40	Anhydrite				
80	85	5	Red beds				
85	102	17 7	Anhydrite				
102	107	5	Red shale				
107	112	5	Anhydrite				
112	120	8	Red beds				
120	130	10	Anhydrite				
130	180	50	Red beds-Anhydrite shells				
180	225	45	Red beds-Anhydrite shells				
225	260	35	Shale				
260	280	20	Salt				
280	340	60	Anhydrite shells				
340	390	50	Salt-Anhydrite shells				
390	440	50	Salt				
440	497	57	Salt				
497	509	10	Anhydrite				
509	660	151	Salt				
660	660.5	.5	Polyhalite				
660.5	663	2.5	Anhydrite				

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE
No. Copies Received 6
DISTRIBUTION

Operator	
Santa Fe	1
Proration Office	
State Land Office	1
U.S.G.S.	2
Transporter	
File	1
B. of Mines	1

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

(12)

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

RECEIVED
DEC 8 1959
O. C. C.
ARTESIA, OFFICE

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Arrow Gas Company Lease # BL - 96

Well No. 1-2-1 Storage for LPG Unit Letter 22 S 17S T 29 ER Pool

County Eddy Kind of Lease (State, Fed. or Patented) State

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate

Address Box 1294, Roswell, N. M.
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas

Address Date Connected
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Under Ground Storage for Liquefied Petroleum Gas.

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership (XX) Other ( )
(Give explanation below)

Remarks:

Change in ownership from Sacra Brothers Co. to Arrow Gas Company
$10,000 Blanket Plugging Bond # 17196

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 7th day of December 1959

By T. J. Murray T. J. Murray

Title Secretary

Company Arrow Gas Company

Address Box 1294, Roswell, N. M.

Approved DEC 8 1959 19

OIL CONSERVATION COMMISSION

By M L Armstrong
OIL AND GAS INSPECTOR

Title

MAR 29, 2002

WELLS INVOLVED IN NAME CHANGE
FINAL LIST WITH G104B

OPERATOR: 186724 COLUMBIA PROPANE LP

OCD DISTRICT: ARTESIA

OPERATOR INITIALS RHK

PROP-ERTY	WELL NAME	ULSTR	OCD UNIT LTR	API
29495	LEONARD #001	L-22-17S-29E	L	30-015-06192
	LEONARD #002	L22-17S-29E	L	30-015-06193
	LEONARD #003	L22-17S-29E	L	30-015-06194

1

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-104B
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator Name

OGRID: 186724
Effective Date: August 21, 2001

Previous Operator Name and Information:

Name: Columbia Propane, L.P.
Address: 10710 Midlothian Turnpike
Address: Suite 200
City, State, Zip: Richmond, VA 23235

New Operator Name and Information:

New Name: AmeriGas Eagle Propane, L.P.
Address: 460 North Gulph Road
Address:
City, State, Zip: King of Prussia, PA 19406

I hereby certify that* the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Robert H. Knauss

Printed name: Robert H. Knauss

Title: Vice President - Law of AmeriGas Eagle Holdings, Inc., the general partner of AmeriGas Eagle Propane, L.P.

Date: April 8, 2002 Phone: (610) 337 - 1000, ext. 3393

APR 2002
RECEIVED
OCD - ARTESIA

* , upon the filing and approval of this Form C-104B,

NMOCD Approval

Signature: Jim W. Gum

Printed Name: District Supervisor

District:

Date: APR 22 2002

RECEIVED
JUL 1 2002

MAW

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 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-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
OGRID:	186724	Effective Date:	
Name:	AmeriGas Eagle Propane, L.P.	New Ogrid:	
Address:	460 NorthGulph Road	New Name:	Loco Hills GSF Ltd.
Address:		Address:	158 Deer Creek Drive
City, State, Zip:	King of Prussia, PA 19406	Address:	
		City, State, Zip:	Aledo, TX 76008

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Mitch Johnson

Printed name: MITCH JOHNSON

Title: MANAGING PARTNER

Date: 6/25/02 Phone: 817-441-6568

JUL 2002
RECEIVED
OCD - ARTESIA

Previous operator complete below:

Previous Operator: AmeriGas Eagle Propane, L.P.

Previous OGRID: 186724

Signature: Robert H. Knauss

Printed Name: Robert H. Knauss, Esq.
Vice President - Law of AmeriGas Eagle Holdings, Inc. the general partner of AmeriGas Eagle Propane, L.P.

NMOCD Approval

Signature:

Printed Name: District Supervisor

District:

Date: 1-28-03

30-015-06193

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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

RECEIVED
FEB 10 2005
OCD-ARTESIA

Form C-103
Revised March 25, 1999

WELL API NO. 30-15-06193	
5. Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name: RL-635	
8. Well No. Leonard State #2	
9. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. **Type of Well:**
Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2. **Name of Operator**
Loco Hills GSF LTD

3. **Address of Operator**
158 Deer Creek Drive Aledo, Texas 76008

4. **Well Location**

Unit Letter L : 1892 feet from the South line and 908 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

10. **Elevation** *(Show whether DR, RKB, RT, GR, etc.)*

11. **Check Appropriate Box to Indicate Nature of Notice, Report or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING If needed	☑	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation. Pull 2 7/8" tubing, sonar well run CBL on 5 1/2" casing. Set tension packer as close to shoe as possible (50'±) but no more than 50' above. MIT on casing (not less than 300# for 30 min). Run new string 2 7/8" tubing.

If MIT fails spot CIBP as close to 50' as possible. Spot sacks cement. Run 4145 10 3/4" Circulate cement up backside to surface. Run CBL + MIT on 4". Inside 4" run string of 2 3/8" F145 J55 tubing. Estimated start date March 1, 2005

OCD will be notified prior to start of work over and MIT

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE Feb. 9 2005

Type or print name John B. Smith Telephone No. 677-2331

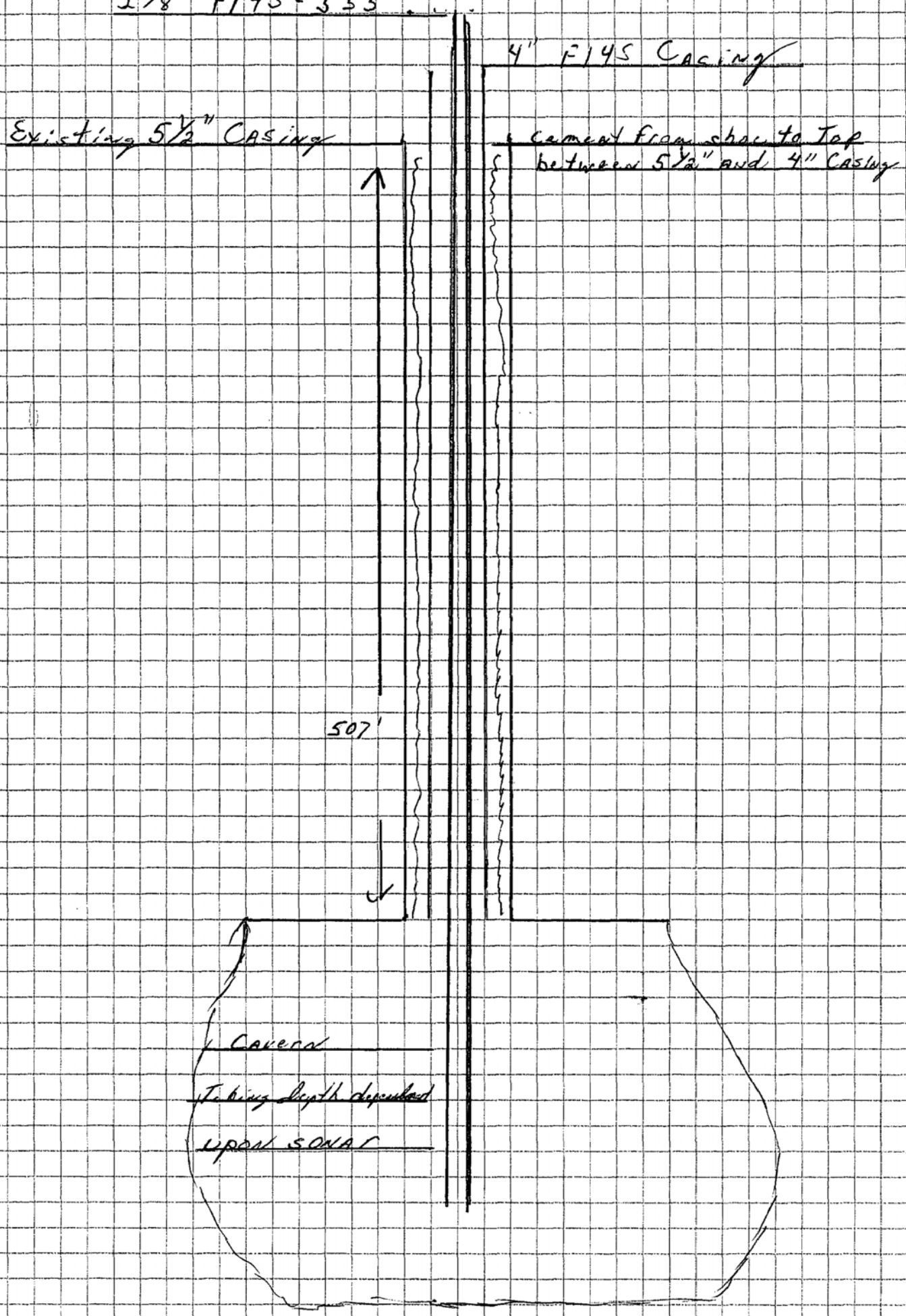
(This space for State use)

APPPROVED BY [illegible] TITLE Field Rep II DATE FEB 10 2005

Conditions of approval, if any:

Notify OCD 24 hrs. prior to any work done

Notify OCD 24 hrs. prior to any work done


2 3/8" F145 - J55
4" F145 Casing
Existing 5 1/2" Casing
cement from shoe to Top
between 5 1/2" and 4" Casing
507'
Cavern
Tubing depth depended
upon sonar

Dear Mitchel:

After reviewing the submitted C-103 dated Feb 09, 2005 for the LPG Leonard State Well #2, OCD Santa Fe approves with the following conditions:

1. The Sonor Log shall be ran and a report filed with OCD. The Log shall be the same type and procedure as approved for the #1 well.

2. All Cement Bond Logs (CBL) shall include a variable density log (VDL). The operator shall have a qualified Logging Engineer or Geologist review the log and provide conclusions and recommendations concerning the integrity of the well bore. In addition, OCD highly recommends that a casing integrity caliper i.e. pipe analysis log be ran at the same time if possible.

3. OCD will require a gamma ray/neutron log in addition to the CBL/VDL after the tubing has been removed and before any well test or well workover. This log shall be ran from the surface to the top of the salt formation.

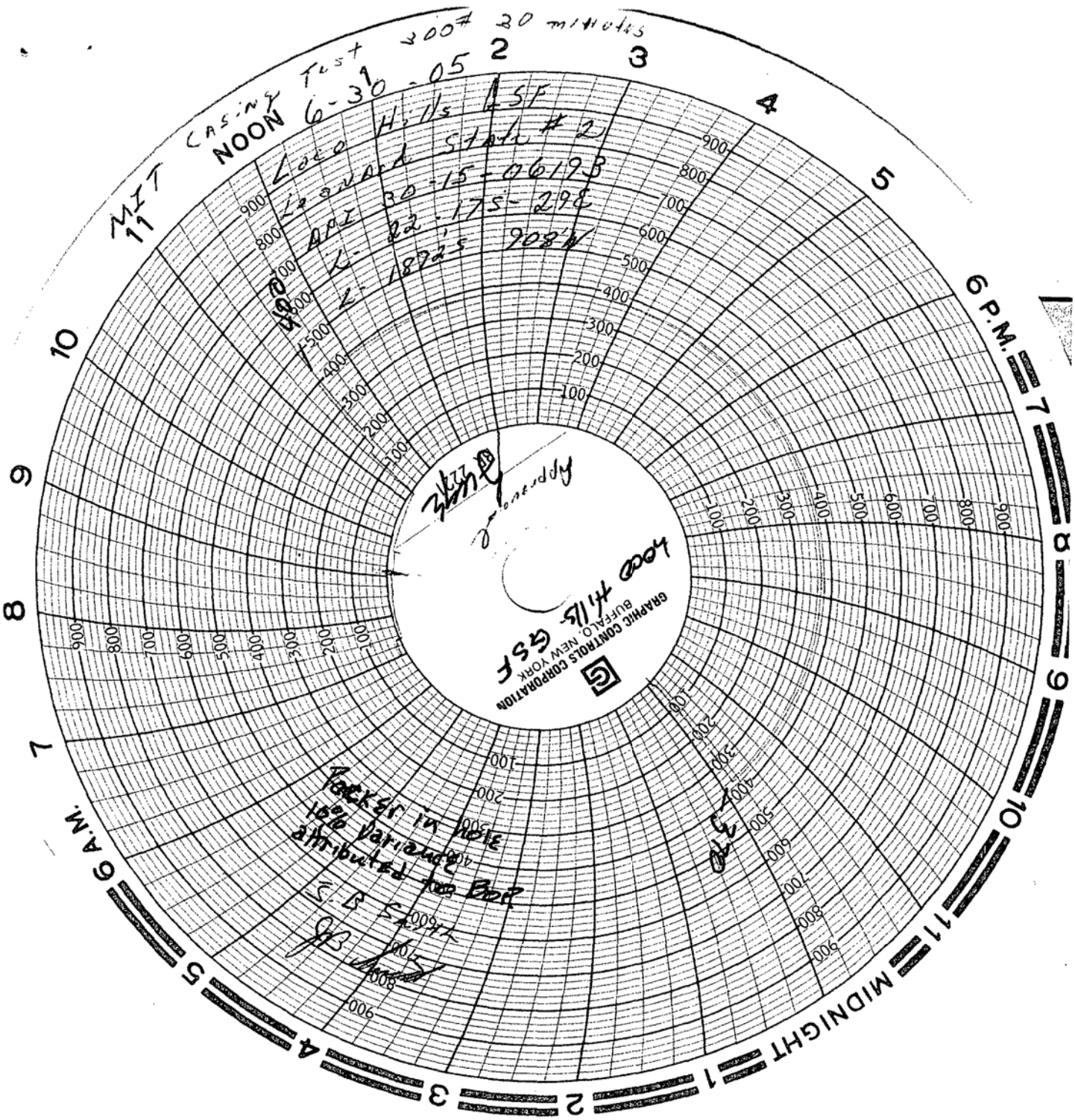
4. The packer set for the MIT shall be within 10 feet of the bottom casing shoe. The hydrostatic test shall be ran for 30 minutes at a minimum of 300 psig or 1 1/2 times normal injection pressure whichever is greater. A calibrated pressure recording chart shall be used for the test. The device shall be calibrated for the maximum expected test pressure (full scale) and set on a one hour clock. No bleed off tolerance will be allowed unless approved by the Santa Fe Environmental Bureau.

4. if the well fails the MIT, operator must obtain OCD approval before installation of the proposed 4 inch liner, or any other work.

5. Operator shall provide OCD a 72 hour written notification (E-mail) so OCD may witness these test.

Sincerely:

Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us


MIT Casing Test 200# 30 minutes
NOON 6-30-05
Loco Hills GSF
Leonard State #2
API 30-15-06198
L-8223 908'
Approved
Loco Hills GSF
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
Packer in hole
10% variance
attributed to Bad
Gauge
MIDNIGHT
6 P.M.
6 A.M.
NOON

Wildcat Me ment

Calibration ate

Pressure

Serial Number: N/A ot Oil

Pressure Range 1000# **p.s.i. accuracy** +/-0.2 **Full Scale** _____ **p.s.i.** _____

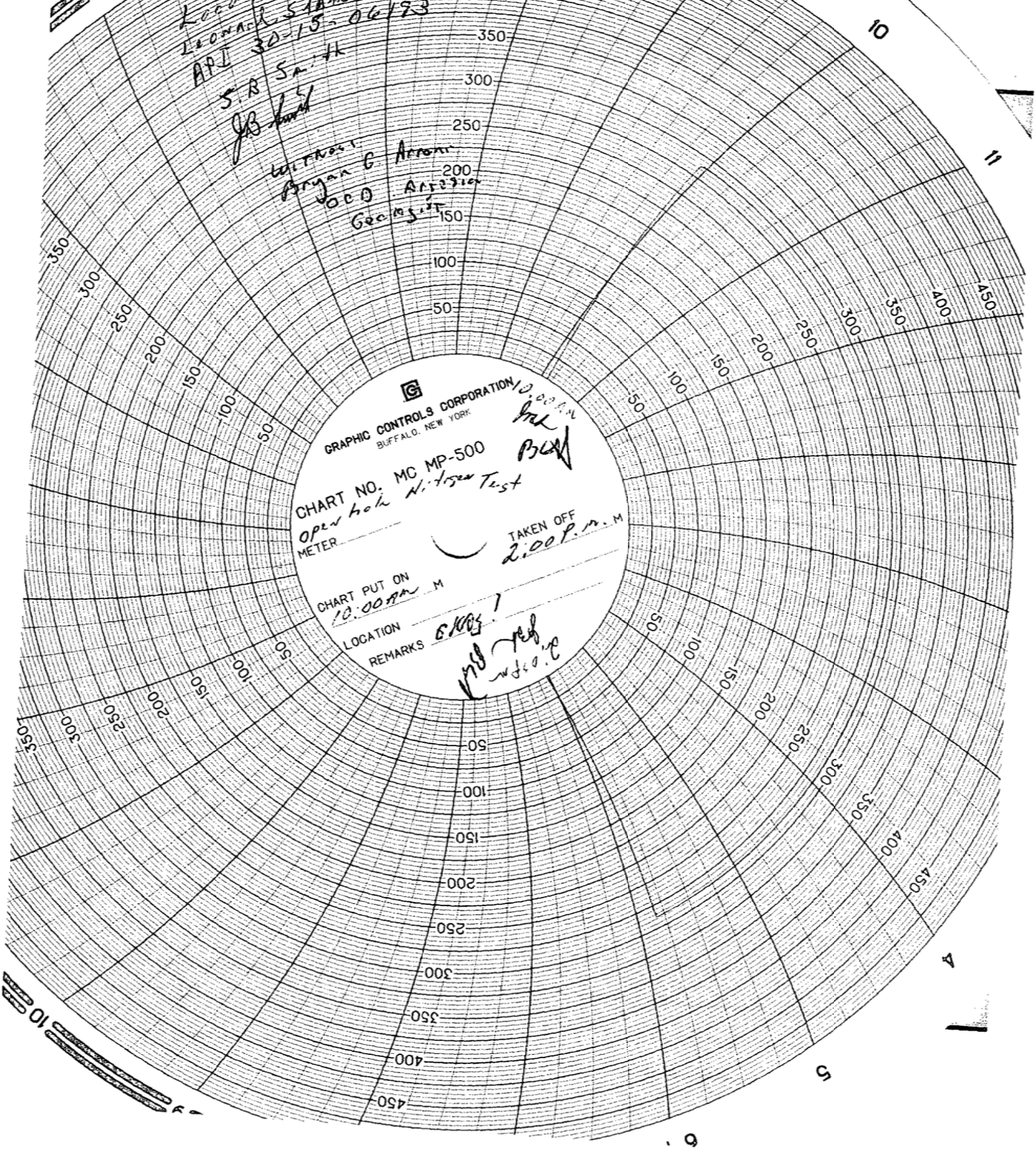
Increasing Pressure			D ing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*		*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0	8	800.0#	0.0
100.0#	100.0#	0.0	6	600.0#	0.0
300.0#	300.0#	0.0	4	400.0#	0.0
500.0#	500.0#	0.0	2	200.0#	0.0
700.0#	700.0#	0.0	0	0.0#	0.0
1000.0#	1000.0#	0.0			

Calibrated By: Olympic-oci **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspecte sted.

Remarks _____

Date Of Calibration 04/13/2004 for



This is To Certify That This Recorder Has Been Inspected And Tested.

Remarks

Date Of Calibration 6-28-2005

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 242A-8717

Pressure Range 500# **p.s.i. accuracy +/-** 0.2 **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0	400#	400#	0.0
50#	50#	0.0	300#	300#	0.0
150#	150#	0.0	200#	200#	0.0
250#	250#	0.0	100#	100#	0.0
350#	350#	0.0	0.0#	0.0#	0.0
500#	500#	0.0			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 6-28-2005 **Inspector** [signature]

HALLIBURTON®

JOB LOG

ORDER NO. 70006

TICKET # 342015	TICKET DATE 7-14-05		
REGION North America	NWA / COUNTRY USA	BDA / STATE NM	COUNTY Lea
MBU ID / EMP # 0D2202 104020	EMPLOYEE NAME Wes Duncan	PSL DEPARTMENT N/A	
LOCATION Odessa TX	COMPANY Tom H. McCarty	CUSTOMER REP / PHONE Rob Smith	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION Lea	DEPARTMENT N/A	JOB PURPOSE CODE 342015	
LEASE / WELL # Arnold F #2	SEC / TWP / RNG	HES FACILITY (CLOSEST TO WELL SITE) Odessa TX	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
D. Duncan 104020	2						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T	PUMPS C	PRESS (psi) Tbg	PRESS (psi) Csg	JOB DESCRIPTION/REMARKS
1	PM 5:30							7-14-05 — ON loc
2	5:35							SAFETY mtg
3	5:40							Rig up
4	5:45							C.D
5	6:13	500					100	START
6	6:26	"					300	S.D
								11,500 scf Used incl. C.D
								6500 scf Down Hole.
								THANK YOU
								Wes Duncan

LOCO HILLS GSP
N_2 CAVITY TEST

API 30-15-06193
LEONARD WELL #2
7/15/05

PASSED OK LWPRICE

Nitrogen Brine Well Test

Loss allowed in BBL's/year	1000
Loss allowed in BBL's/day	2.74
Loss allowed in BBL's/hour	0.11
Input start pressure (psig)	290
Input stop pressure (psig)	288
Input volume in BBL's ***	56
Length of test in hours	4
Ans Loss in BBl's/hour	0.096551724

*** N_2 SCF divided by compressibility number form engineering charts

*** Example: 20,000 scf / 111 = 180 bbls of N_2 300 psig @ 80 f see page 11-2 BJ engr. book

<V1 - V1*(Pf/Ps)>/time OK < .11

Ideal Gas Law for N2 PV=nRT (P1*V1)/T1 = (P2*V2)/T2

P in PSIG
V in Ft^3
T in degress Rankin

Temp $R^0 = 459.69 + F^0$
P = pressure psig
V = Volume FT^3
n = number of moles
R = 55.15 constant for N2
MW of N2 is 28..016

Input T1 Deg F	na
Input T2 Deg F	na
Set V1=V2	----------
Input P1 PSIG	na
Solve P2 PSIG	#VALUE!

Submit 3 Copies To Appropriate District Office
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
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

RECEIVED
JUL 26 2005
OIL CONSERVATION DIVISION

Form C-103
Revised March 25, 1999

WELL API NO. 30-15-06193

5. Indicate Type of Lease
STATE ☑ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name: RL-635

8. Well No. Leonard State #2

9. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2. Name of Operator
Loco Hills GSF LTD

3. Address of Operator
158 Deer Creek Drive Aledo, Texas 76008

4. Well Location
Unit Letter L : 1892 feet from the South line and 908 feet from the West line
Section 22 Township 17S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☑	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Ran Sonar on Leonard State #2 (API # 30-15-06193) 6/29/0
MIT Casing Test Min 300# for 30 minutes (Chart Enclosed) 6/30
R & R 2 9/8" 5-55 Tubing
Open hole Nitrogen Test 4hr. (Chart enclosed) 7/15/05

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 7/12/05

Type or print name John B. Smith Telephone No. (505)-677-23

(This space for State use)

APPPROVED BY [signature] TITLE OCD - EPNA DATE 7/28/05

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Grande Rd., Aztec, NM 87410
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State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised June 10, 2003

WELL API NO. 30-15-06193
5. Indicate Type of Lease STATE ☑ FEE ☐
6. State Oil & Gas Lease No. BL-635
7. Lease Name or Unit Agreement Name Leonard
8. Well Number 2
9. OGRID Number
10. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt Water Storage
2. Name of Operator Loco Hills GSF LTD
3. Address of Operator 1231 Bell Avenue P.O. Box 1, Texas 79008
4. Well Location
Unit Letter L : 1892 feet from the South line and 908 feet from the West line
Section 22 Township 17-S Range 29 E NMPM County Eddy
11. Elevation (Show whether DF, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Have Hydro test new cat tubing. Start date dependent upon pulling unit

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Terminal Operator DATE Feb 1, 2006

Type or print name Felix B. Smith E-mail address: Telephone No. (505) 677-23

(This space for State use)

Accepted for record
NMOCD

APPROVED BY TITLE DATE MAR 07 2006

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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

RECEIVED
MAR 09 2010
NMOCD ARTESIA

Form C-103
Revised March 25, 1999

WELL API NO. 30-15-06193	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. BL-635	
7. Lease Name or Unit Agreement Name Leonard State	
8. Well No. #2	
9. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt Dome Storage
2. Name of Operator: Loco Hills GSF LTD
3. Address of Operator: 1231 Old Annetta Rd Aledo, Texas 76008
4. Well Location

Unit Letter L 1892 feet from the South line and 908 feet from the west line

Section 22 Township 17S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☒	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER.			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103 For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation

Sonar Test of well for capacity and configuration
After Sonar test run MIT test on casing (Appx 300# for 30 min) chart recorded
Open hole Nitrogen test - Appx 300# for 4 hours chart recorded

Estimated start date March 27, 2010

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B. Smith TITLE Terminal Operator DATE 03/08/10

Type or print name John B. Smith Telephone No. (575)-677-2333

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any.

Accepted for record
NMOCD

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised March 25, 1999

WELL API NO. 30-15-06193

5 Indicate Type of Lease
STATE ☑ FEE ☐

6 State Oil & Gas Lease No.
BL-635

RECEIVED
APR - 5 2010
NMOCD ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7 Lease Name or Unit Agreement Name

1 Type of Well:
Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

8 Well No.
Leonard State #2

2 Name of Operator
Loco Hills LSF

9. Pool name or Wildcat
L

3. Address of Operator
12310 Annetta Rd Aledo, Texas 76008

4 Well Location
Unit Letter L 1892 feet from the South line and 908 feet from the west line
Section 22 Township 17S Range 29E NMPM County Eddy

10 Elevation (Show whether DR, RKB, RT, GR, etc.)
GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☒	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER.			☐	OTHER:			☐

12. **Describe proposed or completed operations.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103 For Multiple Completions. Attach wellbore diagram of proposed completion or recompilation

Ran Sonar on Leonard State #2 March 29, 2010
MIT casing test March 30, 2010 chart enclosed
Open hole Nitrogen test 4 hour chart enclosed
April 2, 2010

I hereby certify that the information above is true and complete to the best of my knowledge and belief

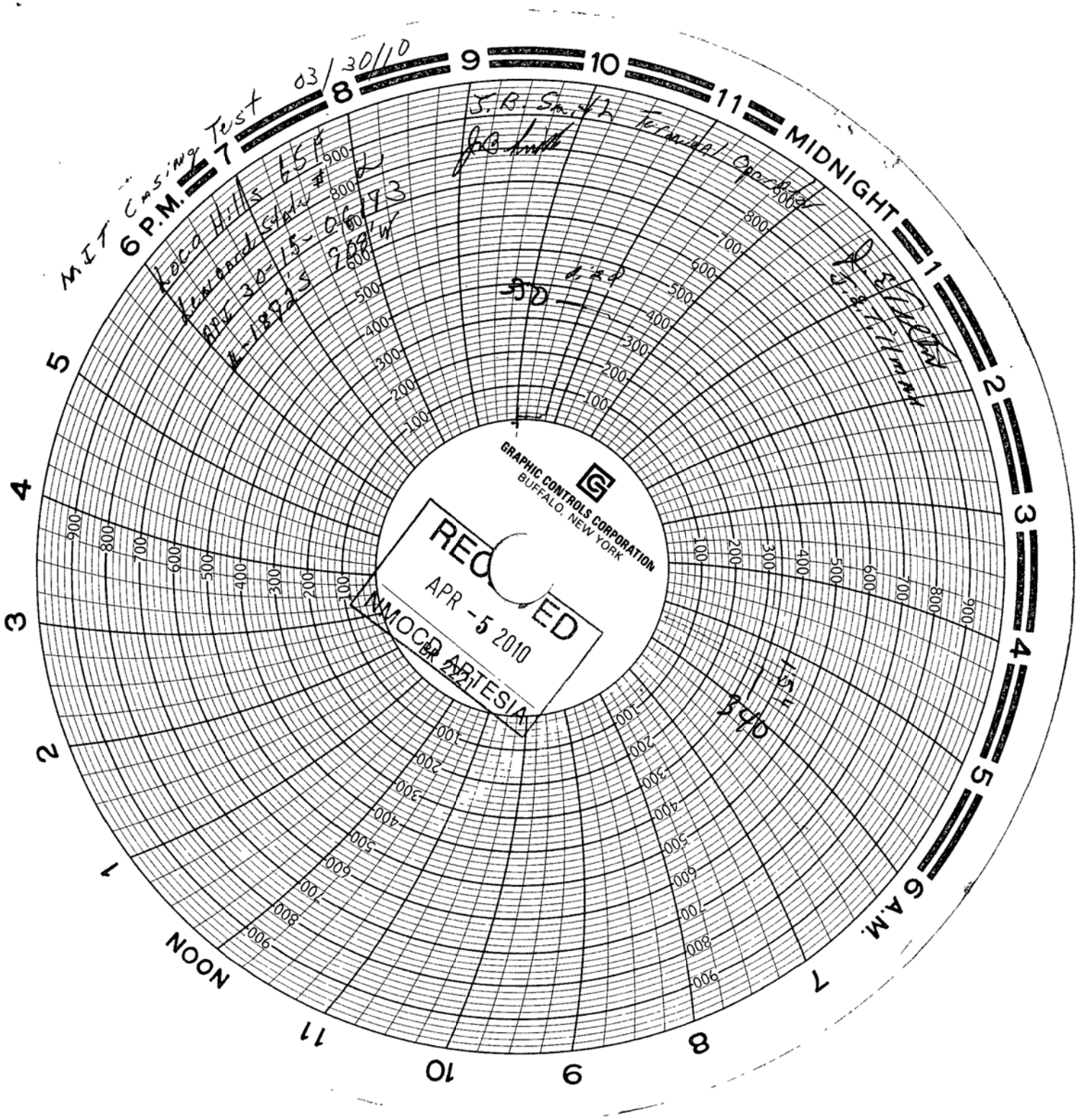
SIGNATURE John B. Smith TITLE Terminal Operator DATE

Type or print name John B. Smith Telephone No. (575) 677-2331

(This space for State use)

APPPROVED BY Richard Inge TITLE Compliance Officer DATE 4/29/10

Conditions of approval, if any


MIT Casing Test 03/30/10
Loco Hills 15 H
Leonard Stdu #2
API 30-15-06173
E-18925 T20S R29E
J.B. Smith
J.B. Smith
Terminal Operator
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
RECEIVED
APR - 5 2010
NMOCD ARTESIA
6 P.M.
MIDNIGHT
6 A.M.
NOON

Wildcat Measurement Service, Inc.

416 East Main Street
P.O. Box 1836
Artesia, New Mexico 88211
Office: (575)746-3481
Toll Free: 1-888-421-9453

RECEIVED
APR - 5 2010
NMOCD ARTESIA

Calibration Certificate

Company Name: I & W.
Recorder Type: Bristol.
Recorder Serial: # 12137.

Recorder Pressure Range: 0-1000# Accuracy +/-: 0.2% PSIG.
Temperature Range: _____ Deg F.

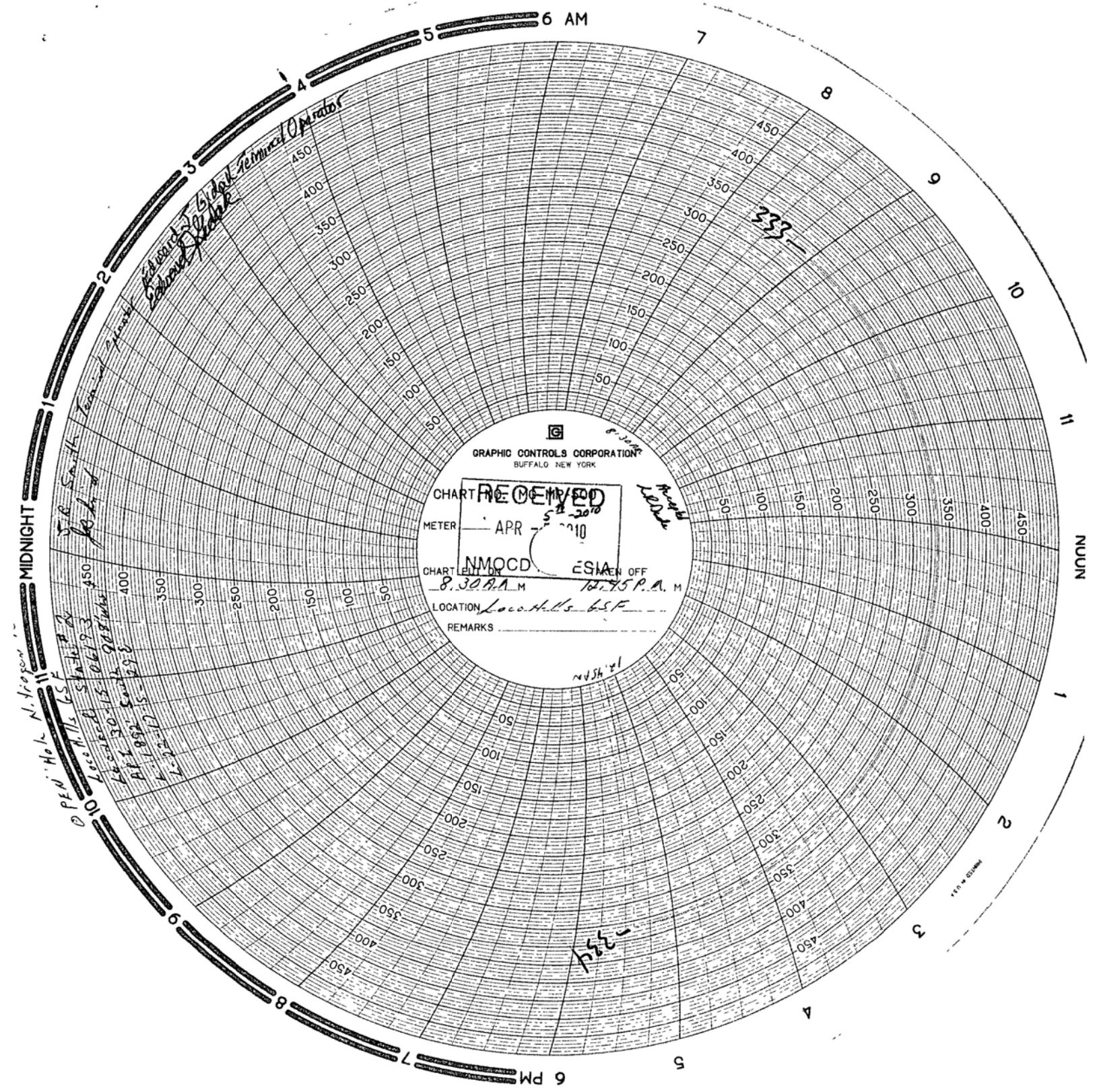
Increasing Pressure			Decreasing Pressure		
Applied Pressure	Indicated Pressure	Error%	Applied Pressure	Indicated Pressure	Error%
0.0#	0.0#	0	800#	800#	0
100#	100#	0	600#	600#	0
300#	300#	0	400#	400#	0
500#	500#	0	200#	200#	0
700#	700#	0	0.0#	0.0#	0
1000#	1000#	0			

Temperature Test		
Applied Temperature	Indicated Temperature	Error%

Certified Calibration Instrument Used
Gauge: Crystal
Deadweight: _____.

Remarks: _____.
_____.
_____.

Calibration Date: 02/11/2010
Technician: _____. Don Norman


6 AM
MIDNIGHT
NOON
6 PM
GRAPHIC CONTROLS CORPORATION
BUFFALO NEW YORK
CHART NO. MC MP 500
METER
APR
RECEIVED
NMOCD
ESIA
CHART PUT ON
TAKEN OFF
8.30 A.M
10:45 P.M.
LOCATION Loco Hills GSF
REMARKS

Wildcat Measurement Service, Inc.

416 East Main Street
P.O. Box 1836
Artesia, New Mexico 88211
Office: (575)746-3481
Toll Free: 1-888-421-9453

RECEIVED
APR - 5 2010
NMOCD ARTESIA

Calibration Certificate

Company Name: Loco Hills GSF.
Recorder Type Barton.
Recorder Serial: # 242A-8717.

Recorder Pressure Range 0-500# Accuracy +/-: 0.2% PSIG
Temperature Range._____ Deg F.

Increasing Pressure			Decreasing Pressure		
Applied Pressure	Indicated Pressure	Error%	Applied Pressure	Indicated Pressure	Error%
0 0#	0.0#	0	400#	400#	0
50#	50#	0	300#	300#	0
150#	150#	0	200#	200#	0
250#	250#	0	100#	100#	0
350#	350#	0	0 0#	0 0#	0
500#	500#	0			

Temperature Test		
Applied Temperature	Indicated Temperature	Error%

Certified Calibration Instrument Used
Gauge: Crystal
Deadweight:_____.

Remarks._____,
_____,
_____

Calibration Date: 03/31/2010
Technician: _____.Don Norman

SUBJECT: STORAG LIQUEFIED PETROLEUM GAS NOVEMBER 10, 1953

APPLICATION OF SACRA BROTHERS COMPANY FOR PERMISSION TO DRILL A WELL FOR THE STORAGE OF LIQUEFIED PETROLEUM GAS IN NW/4 SW/4 SECTION 22, TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

ORDER NO. LPG-5

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-313 in Case 523, and Rule 705 of the Commission's Rules and Regulations established thereunder, Sacra Brothers Company made application to the Commission on October 29, 1953, for authority to drill an LPG-storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, and

The Secretary - Director Finds:

(1) That application has been duly filed in proper form under the provisions of Rule 705;

(2) That satisfactory information has been provided that all operators of offset acreage within a one-half mile radius of the proposed well have been notified of the operators intention; and

(3) That no objections have been received within the ten-day waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Sacra Brothers Company, be and it hereby is authorized to complete its projected LPG storage well in NW/4 SW/4 Section 22, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, as a storage well for liquefied petroleum gas;

That the effectiveness of this order is conditional upon the stipulation that the well be drilled to an approximate depth of 675', as set forth in operator's application, at which point a storage cavity will be washed out in the salt section for the specified use; further, that the Commission's approval be secured through Form C-101, Notice of Intention to Drill, and subsequent actual inspections of the casing operations on said well.

No part of this order shall be construed as relieving Sacra Brothers Company from liability to any person, firm or corporation as a result of the drilling or operation of such storage project.

By authority granted under provisions of Rule 705 of the Commission's Rules and Regulations, this order is issued and approved this 10th day of November, 1953.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

R. R. Spurrier, Secretary-Director

S E A L

(Form C-101)
(Revised 7/1/52)

NI MEXICO OIL CONSERVATION COM SION
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL OR RECOMPLETE

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Artesia N. M. (Place) October 5, 1953 (Date)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the (Drilling) (Recompletion) of a well to be known as

Sacra Brothers Co. (Company or Operator)

State (Lease), Well No. 3, in (Unit). The well is located 560 feet from the West line and 1975 feet from the South line of Section 22, T 17, R 29, NMPM.

(GIVE LOCATION FROM SECTION LINE) Pool, Eddy County

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

If State Land the Oil and Gas Lease is No.

If patented land the owner is

Address

We propose to drill well with drilling equipment as follows: Cable tools.

The status of plugging bond is

Drilling Contractor A. F. Smith

We intend to complete this well in the Salt formation at an approximate depth of 700 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
8 5/8	7"OD	20#	New	500'	75

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

This well to be drilled for the purpose of creating underground storage in the salt section for LPG.

Approved NOV 1 0 1953, 19
Except as follows:

By OCC Order No. LPG-5

OIL CONSERVATION COMMISSION

By L. A. Sanson

Title OIL AND GAS INSPECTOR

Sincerely yours,

Sacra Brothers Co. (Company or Operator)

By B. N. Muncy Jr.

Position Manager

Send Communications regarding well to

Name B. N. Muncy, Jr.

Address 402 North First-Artesia, N. M.

OIL CONSERVATION COMMISSION
ARTESIA DISTRICT OFFICE

No. Copies Received 6

	RECEIVED
Operator	1
Santa Fe	1
Proration Office	
State Land Office	1
U. S. G. S.	2
Transporter	
File	1

(Form [illegible]
(Revised [illegible]

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAY 7 1955
Oil Cons. [illegible]
ARTESIA, [illegible]

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	x

May 6, 1955 (Date) Artesia, N. M. (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Sacra Brothers Co. (Company or Operator) Leonard State (Lease)

A. F. Smith (Contractor), Well No. 3 in the NW ¼ SW ¼ of Sec. 22

T. 17, R. 29, NMPM., Pool, Eddy County.

The Dates of this work were as folows: October 10, 1953 November 15, 1953

Notice of intention to do the work (was) (~~was not~~) submitted on Form C-102 on October 5 (Cross out incorrect words), 1953

and approval of the proposed plan (was) (~~was not~~) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled 8 5/8 hole into Cowden anhydrite and set & 7" OD casing at 505' 7" and circulated cement to top. Drilled to bottom of salt section at 675 ' , ran 3" tubing.

Witnessed by B. N. Muncy, Jr. (Name) Sacra Bros. Co. (Company) Manager (Title)

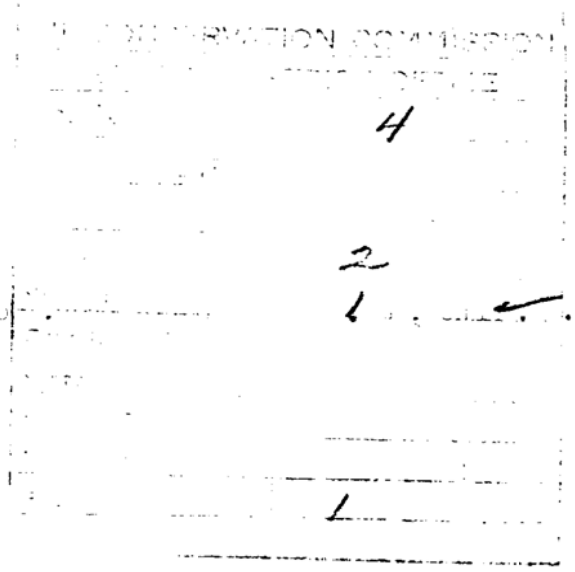
Approved: OIL CONSERVATION COMMISSION

[illegible] (Name)

[illegible] (Title) MAY 11 1955 (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name B. N. Muncy Jr.
Position Pen mgr.
Representing Sacra Brothers Co.
Address P.O. Box 1194 Roswell N.M.


4
2
1
1

RECEIVED
OCT 13 1953
Oil Cons. Comm.
Artesia Office

Company Sacra Bros.

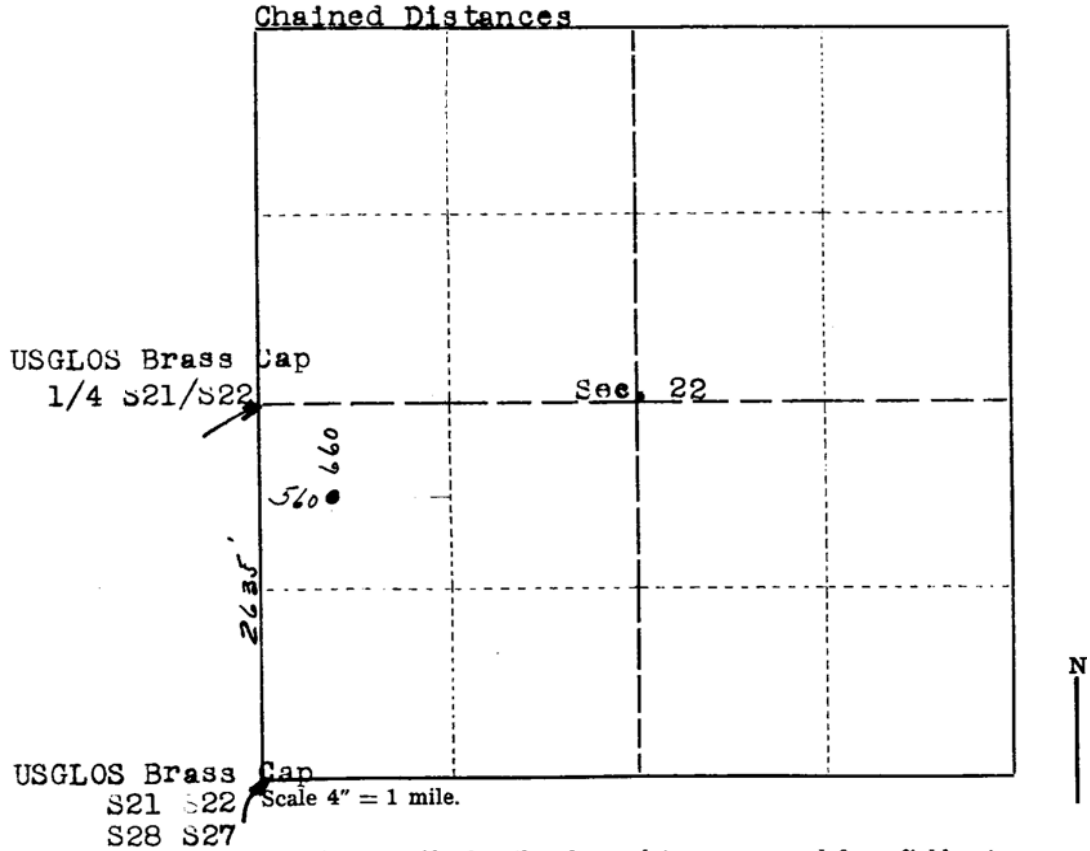
Lease Leonard-State Well No. 3

Sec. 22 T. 17 S., R. 29 E., N.M.P.M.

Location 560 ft. fr WL & 1975 ft. fr SL

County Eddy, New Mexico

Chained Distances



Scale 4" = 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

John A Mathis Jr

Registered ~~Professional Engineer and~~ Land Surveyor.

Seal:

Artesia, New Mexico

Surveyed October 8, 1953

17532 Advocate Print

WELL RECORD

Oil Cons. Comm.
ARTESIA OFFICE

AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Sacra Broth ers Co. (Company or Operator) Leonard State (Lease)

Well No. 3, in NW ¼ of SW ¼, of Sec. 22, T. 17, R. 29, NMPM.

Pool, Eddy County.

Well is 560 feet from West line and 1975 feet from South line

of Section 22. If State Land the Oil and Gas Lease No. is

Drilling Commenced October 10, 1953, 19 Drilling was Completed October 31, 19 53

Name of Drilling Contractor A. F. Smith

Address Artesia, N. M.

Elevation above sea level at Top of Tubing Head 3549.60 The information given is to be kept confidential until

, 19

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 100 to 105 feet.

No. 2, from 115 to 120 feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8 od	27	New	130' 7"	none		none	water
7 OD	20	New	505' 7"	Texas Pat.		none	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
8 5/8	7	505' 7"	398	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Cable tools were used from.....

PRODUCTION

Put to Producing....., 19.....

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was was oil; .....% was emulsion; .....% water; and.....% was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico
T. Anhy.....	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	T. Montoya.....	T. Farmington.....
T. Yates.....	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	T. McKee.....	T. Menefee.....
T. Queen.....	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	T. Granite.....	T. Dakota.....
T. Glorieta.....	T.	T. Morrison.....
T. Drinkard.....	T.	T. Penn.....
T. Tubbs.....	T.	T. .....
T. Abo.....	T.	T. .....
T. Penn.....	T.	T. .....
T. Miss.....	T.	T. .....

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	5	5	Sand				
5	60	55	Red Beds				
60	80	20	Anhydrite				
80	115	35	Anhydrite				
115	120	5	Blue Clay				
120	135	15	Anhydrite				
135	250	115	Red Bed				
250	260	10	Anhydrite				
260	265	5	Red Bed				
265	275	10	Salt				
275	280	5	Anhydrite				
280	445	165	Salt				
445	452	7	Anhydrite				
452	497	45	Salt				
497	525	28	Anhydrite				
525	675	150	Salt				
675	677	2	Polyhalite				
677	680	3	Anhydrite				

OIL CONSERVATION COMMISSION
DISTRICT OFFICE
6
1
State Land Office 1
U.S.G.S. 2
Operator
File 1
B. of Mines 1

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

12

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-116
Revised 7/1/55

RECEIVED
DEC 8 1959
O. C. C.
ARTESIA, OFFICE

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Arrow Gas Company Lease # BL - 96

Well No. [redacted]-3 Storage for LPG Unit Letter 22 S 17S T 29 ER Pool

County Eddy Kind of Lease (State, Fed. or Patented) State

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate

Address Box 1294, Roswell, N. M.
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas

Address Date Connected
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:
Under Ground Storage for Liquefied Petroleum Gas.

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership (XX) Other ( )
(Give explanation below)

Remarks:
Change in ownership from Sacra Brothers Co. to Arrow Gas Company
$10,000 Blanket Plugging Bond # 17196

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 7th day of December 1959

By T. J. Murray T J Murray

Title Secretary

Company Arrow Gas Company

Address Box 1294, Roswell, N. M.

Approved DEC 8 1959 19

OIL CONSERVATION COMMISSION

By M L Armstrong
OIL AND GAS INSPECTOR

Title

WELLS INVOLVED IN NAME CHANGE
FINAL LIST WITH G104B

MAR 29, 2002

OPERATOR: 186724 COLUMBIA PROPANE LP

OCD DISTRICT: ARTESIA

OPERATOR INITIALS RMC

PROP-ERTY	WELL NAME	ULSTR	OCD UNIT LTR	API
29495	LEONARD #001	L-22-17S-29E	L	30-015-06192
	LEONARD #002	L22-17S-29E	L	30-015-06193
	LEONARD #003	L22-17S-29E	L	30-015-06194

1

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-104B
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator Name

OGRID: 186724
Effective Date: August 21, 2001

Previous Operator Name and Information:

Name: Columbia Propane, L.P.
Address: 10710 Midlothian Turnpike
Address: Suite 200
City, State, Zip: Richmond, VA 23235

New Operator Name and Information:

New Name: AmeriGas Eagle Propane, L.P.
Address: 460 North Gulph Road
Address:
City, State, Zip: King of Prussia, PA 19406

I hereby certify that* the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Robert H. Knauss

Printed name: Robert H. Knauss

Title: Vice President - Law of AmeriGas Eagle Holdings, Inc., the general partner of AmeriGas Eagle Propane, L.P.

Date: April 8, 2002 Phone: (610) 337 - 1000, ext. 3393

* , upon the filing and approval of this Form C-104B,

APR 2002
RECEIVED
OCD - ARTESIA

NMOCD Approval

Signature: Jim W. Gum

Printed Name: District Supervisor

District:

Date: APR 22 2002

MAW

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-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:

OGRID: 186724
Name: AmeriGas Eagle Propane, L.P.
Address: 460 NorthGulph Road
Address:
City, State, Zip: King of Prussia, PA 19406

New Operator Information:

Effective Date: 7-15-02
New Ogrid: 214766
New Name: Loco Hills GSF Ltd.
Address: 158 Deer Creek Drive
Address:
City, State, Zip: Aledo, TX 76008

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Mitch Johnson
Printed name: MITCH JOHNSON
Title: MANAGING PARTNER
Date: 6/25/02 Phone: 817-441-6568

JUL 2002
RECEIVED
OCD - ARTESIA

Previous operator complete below:

Previous Operator: AmeriGas Eagle Propane, L.P.
Previous OGRID: 186724
Signature: Robert H. Knauss
Printed Name: Robert H. Knauss, Esq.
Vice President - Law of AmeriGas Eagle Holdings, Inc. the general partner of AmeriGas Eagle Propane, L.P.

NMOCD Approval

Signature:
Printed Name: District Supervisor
District:
Date: 1-28-03

NEW PROPERTY CODE - 31981

This C-104A is for the Loco Hills GSF LTD LEONARD #3 ONLY

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

30-015-06194 S

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 06194	
5. Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No. RL-635	
7. Lease Name or Unit Agreement Name: LEONARD	
8. Well No. 3	
9. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt Dome Storage Loco Hills G.S.P. LTD
2. Name of Operator: Loco Hills G.S.P. LTD
3. Address of Operator: PO Box 37 Loco Hills, New Mexico 88255
4. Well Location

Unit Letter L : 1975 feet from the South line and 560 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.) GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Sonar Test of well for Capacity and configuration
After Sonar Test will run a M.I.T test
on casing (300psig for 30 minutes)
Open hole cavern test (1½ times normal operating pressure
for 4 hours

Estimated Start date April 21, 2003

MAR 2003
RECEIVED
OCD - ARTESIA

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 3/24/03

Type or print name John B. Smith Telephone No. 505-677-2333

(This space for State use)

APPPROVED BY Maels Wellefield TITLE Envirc. Eng. Spec. DATE 3/25/2003

Conditions of approval, if any:

* Please notify N.M.O.C.D. to witness.

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 882
District III
1000 Rio Brazos Rd., 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

RECEIVED
FEB 27 2006
OCD-ARTESIA

Form C-103
Revised June 10, 2003

WELL API NO. 30-15-06194

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. BL-635

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Leonard

1. Type of Well: Oil Well [ ] Gas Well [✓] Other Salt Dome Storage

8. Well Number: Leonard State #3

2. Name of Operator: Loco Hills GSF LTD

9. OGRID Number

3. Address of Operator: 1231 Old Aurne Ha Rd. Aledo, Texas 76008

10. Pool name or Wildcat

4. Well Location

Unit Letter L : 1975 feet from the South line and 560 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [✓]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	MULTIPLE COMPLETION [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER: [ ]		OTHER: [ ]	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/15/06 Sonared well, Ran MIT on casing using high pressure chart recorder (400#-30min) Packer set at 492'

02/16/06 Ran 600' 2 3/8-55 plastic coated 2 7/8" tubing, Hydro static test done on tubing (1500#) Nipped up.

02/21/06 Inspected Nitrogen for open hole Nitrogen test. (Appx 400#)

02/23/06 Ran 4hr open hole Nitrogen test using high pressure chart recorder (400#)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 02/24/06

Type or print name John B. Smith E-mail address: Telephone No. (505) 677-2331

(This space for State use)

Accepted for record - NMOCD

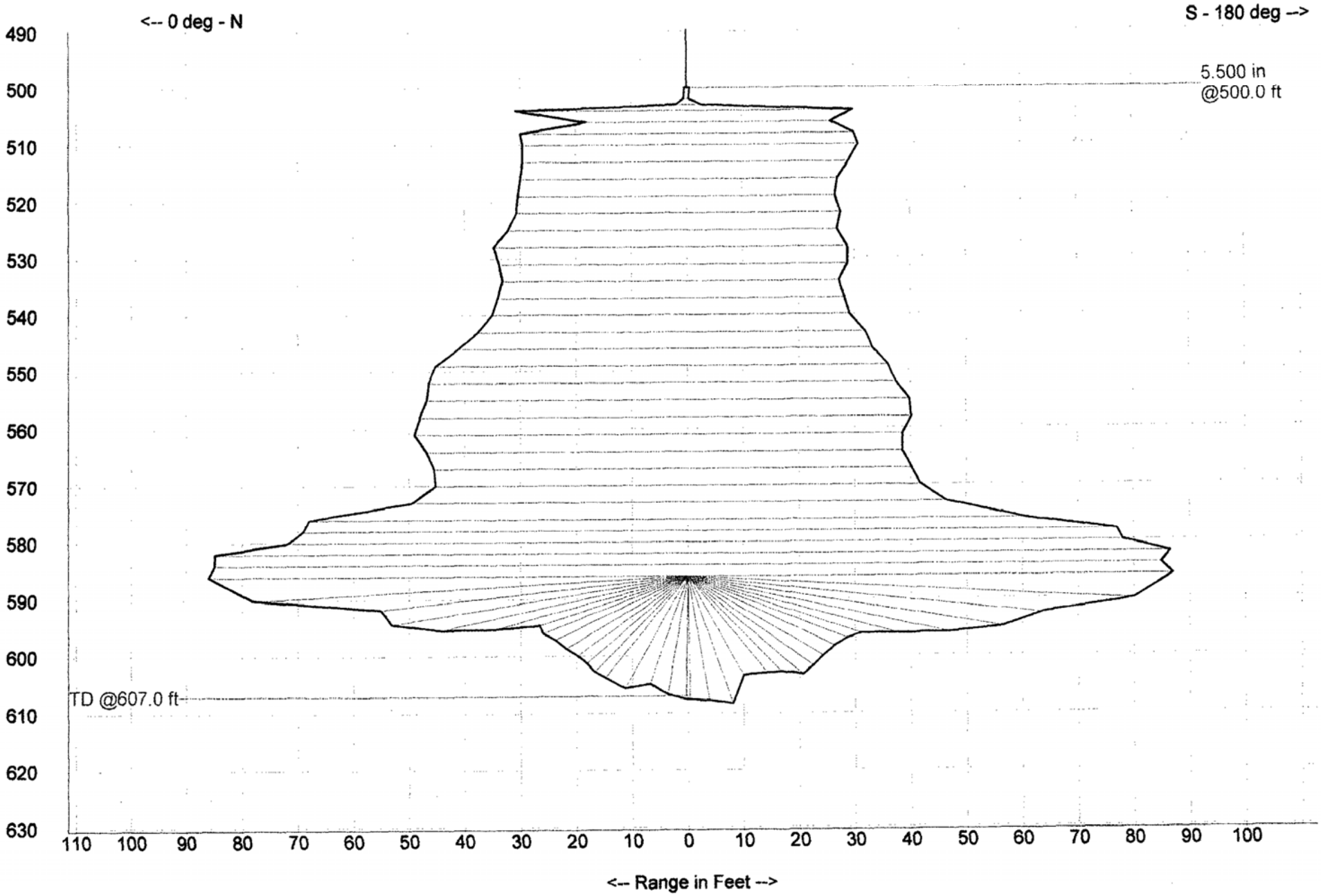
APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

LOCO HILLS G.S.F.
LOCO HILLS, NM

SONARWIRE, INC
Vertical Cross Section

STORAGE WELL NO. 3
Wed, Feb 15, 2006



SONARWIRE INC.
Depth versus Volume

LOCO HILLS G.S.F.
LOCO HILLS, NM

STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
501	0.1	0.1	5.3	5.3
502	0.1	0.3	5.4	10.7
503	0.1	0.4	5.7	16.4
504	1.8	2.2	74.7	91.1
505	421.1	423.2	17685.3	17776.4
506	386.6	809.9	16237.7	34014.1
507	401.5	1211.4	16862.9	50877.0
508	462.3	1673.7	19416.8	70293.8
509	531.3	2204.9	22312.9	92606.7
510	520.1	2725.1	21846.3	114453.0
511	509.3	3234.4	21389.9	135842.8
512	497.7	3732.1	20905.4	156748.2
513	486.4	4218.5	20429.7	177178.0
514	475.3	4693.8	19962.9	197140.8
515	467.0	5160.8	19612.3	216753.1
516	458.8	5619.6	19270.2	236023.3
517	450.9	6070.5	18936.5	254959.8
518	450.1	6520.6	18906.0	273865.9
519	449.5	6970.1	18877.9	292743.8
520	448.9	7419.0	18852.3	311596.1
521	451.7	7870.7	18972.5	330568.6
522	454.7	8325.3	19095.9	349664.5
523	457.7	8783.0	19222.4	368886.9
524	466.9	9249.9	19610.1	388497.0
525	476.3	9726.2	20005.1	408502.2
526	485.9	10212.1	20407.4	428909.5
527	504.1	10716.2	21172.6	450082.2
528	522.7	11238.9	21953.5	472035.6
529	541.7	11780.6	22749.9	494785.6
530	546.4	12327.0	22949.0	517734.6
531	551.2	12878.2	23150.3	540884.8
532	556.0	13434.3	23353.8	564238.7
533	546.8	13981.0	22964.0	587202.7
534	537.6	14518.6	22579.9	609782.6
535	528.6	15047.2	22201.7	631984.3
536	540.6	15587.9	22706.5	654690.7
537	552.8	16140.7	23218.9	677909.6
538	565.2	16705.9	23739.0	701648.7
539	578.1	17284.0	24281.3	725930.0
540	591.3	17875.3	24832.9	750762.9
541	604.6	18479.9	25393.7	776156.6
542	625.9	19105.8	26285.8	802442.4
543	647.6	19753.3	27198.1	829640.5
544	669.8	20423.1	28130.7	857771.2
545	685.9	21109.0	28806.2	886577.4
546	702.2	21811.2	29492.5	916069.9

LOCO HILLS G.S.F.
LOCO HILLS, NM

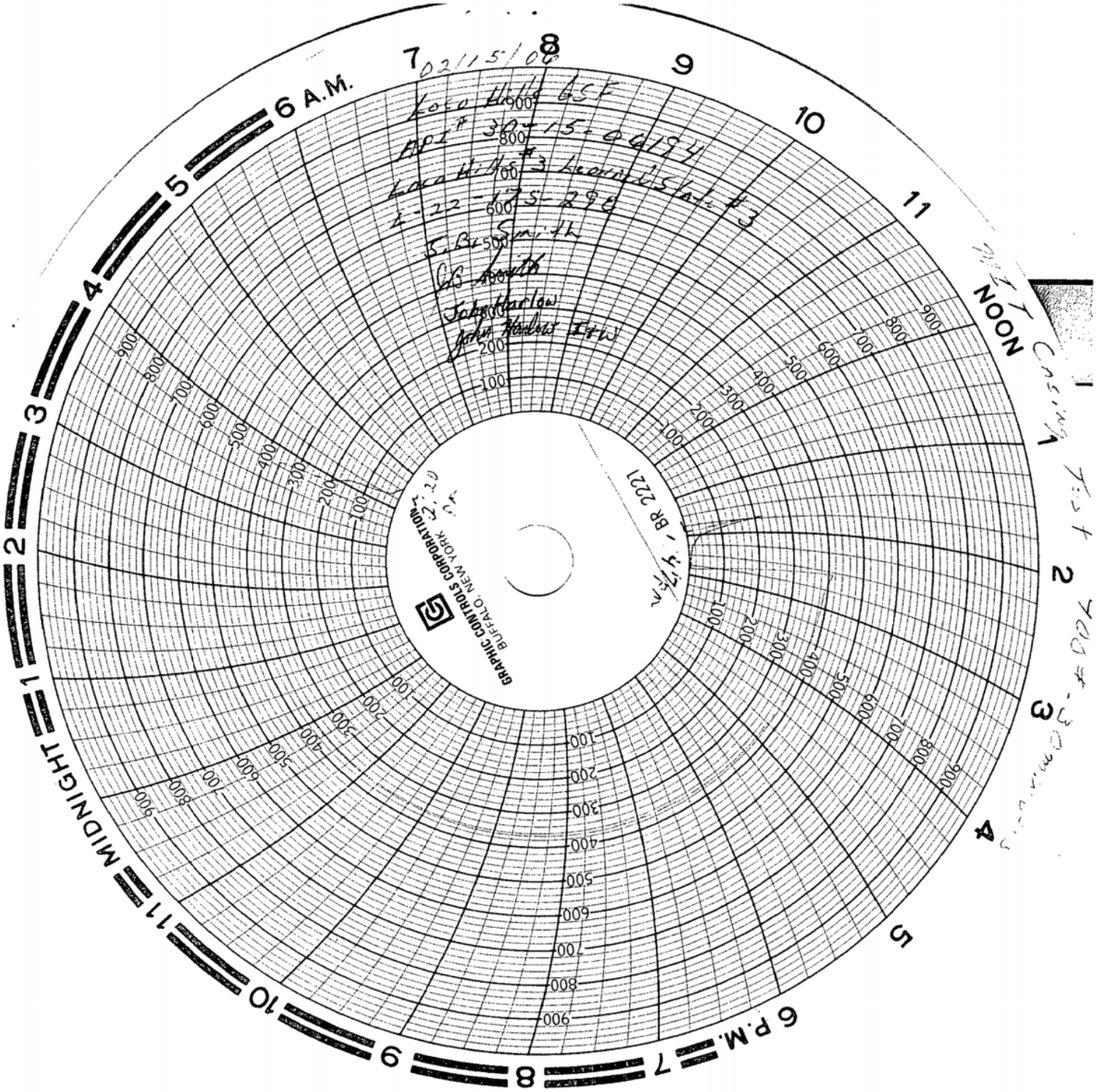
STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
547	718.8	22530.0	30189.6	946259.4
548	754.2	23284.2	31675.3	977934.7
549	790.5	24074.7	33202.1	1011136.8
550	827.9	24902.5	34769.9	1045906.7
551	844.9	25747.4	35484.2	1081390.8
552	862.1	26609.5	36209.8	1117600.6
553	879.7	27489.2	36946.9	1154547.5
554	904.9	28394.1	38006.1	1192553.6
555	930.7	29324.8	39087.7	1231641.3
556	956.9	30281.7	40191.6	1271833.0
557	973.2	31254.9	40873.8	1312706.8
558	989.6	32244.6	41564.5	1354271.3
559	1006.3	33250.8	42263.7	1396535.0
560	1008.5	34259.3	42355.4	1438890.4
561	1010.8	35270.1	42454.6	1481344.9
562	1013.4	36283.5	42561.2	1523906.1
563	1009.9	37293.4	42415.4	1566321.5
564	1006.7	38300.1	42283.4	1608604.9
565	1003.9	39304.1	42165.2	1650770.1
566	1018.9	40323.0	42794.7	1693564.8
567	1034.5	41357.5	43450.9	1737015.7
568	1050.8	42408.3	44134.0	1781149.7
569	1103.5	43511.8	46346.4	1827496.2
570	1158.4	44670.2	48653.8	1876149.9
571	1215.6	45885.9	51056.0	1927205.9
572	1268.5	47154.3	53276.2	1980482.1
573	1324.6	48478.9	55632.4	2036114.5
574	1383.9	49862.8	58124.8	2094239.3
575	1727.0	51589.9	72535.0	2166774.3
576	2115.0	53704.9	88830.5	2255604.7
577	2547.9	56252.8	107011.3	2362616.1
578	2806.7	59059.4	117880.4	2480496.4
579	3092.7	62152.1	129891.5	2610387.9
580	3149.3	65301.4	132270.6	2742658.6
581	3206.8	68508.2	134685.0	2877343.5
582	3725.3	72233.5	156462.2	3033805.7
583	4283.6	76517.1	179913.0	3213718.7
584	4292.4	80809.5	180281.7	3394000.4
585	4301.5	85111.0	180662.4	3574662.8
586	4290.1	89401.1	180185.0	3754847.7
587	4279.1	93680.3	179724.2	3934572.0
588	4096.7	97777.0	172060.3	4106632.3
589	3918.2	101695.2	164565.6	4271197.9
590	3744.0	105439.2	157248.7	4428446.6
591	4084.0	109523.2	171528.5	4599975.1
592	3349.4	112872.6	140673.1	4740648.2
593	2426.3	115298.9	101905.2	4842553.4
594	2041.1	117340.0	85727.0	4928280.4

LOCO HILLS G.S.F.
LOCO HILLS, NM

STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
595	1859.8	119199.8	78112.6	5006393.0
596	1471.9	120671.7	61818.2	5068211.2
597	1262.5	121934.2	53026.0	5121237.2
598	825.7	122760.0	34681.3	5155918.5
599	629.9	123389.9	26456.6	5182375.2
600	512.8	123902.6	21536.0	5203911.1
601	429.7	124332.3	18047.0	5221958.2
602	315.0	124647.4	13230.6	5235188.8
603	268.6	124915.9	11279.8	5246468.6
604	218.4	125134.4	9174.9	5255643.5
605	183.4	125317.7	7701.5	5263345.0
606	147.4	125465.1	6190.6	5269535.6
607	112.1	125577.3	4709.0	5274244.5
608	84.0	125661.3	3528.0	5277772.5
609	49.8	125711.0	2089.8	5279862.3
610	17.8	125728.8	749.2	5280611.5
611	1.7	125730.6	72.8	5280684.3



BOP In place when tested

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 6068

Pressure Range 1000# **p.s.i. accuracy +/-** 0.2% **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0#	800.0#	800.0#	0.0#
100.0#	100.0#	0.0#	600.0#	600.0#	0.0#
300.0#	300.0#	0.0#	400.0#	400.0#	0.0#
500.0#	500.0#	0.0#	200.0#	200.0#	0.0#
700.0#	700.0#	0.0#	0.0#	0.0#	0.0#
1000.0#	1000.0#	0.0#			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 07-21-2005 **Inspector**

Bus: (432) 683-3033
Fax: (432) 570-5253

MIDLAND
pipe & equipment

P.O. Box 8715
Midland, Tx 79708-8715

(SIZE) 2 7/8 used (WEIGHT) 6.5#
(GRADE) IPC (COUPLING) EUE
(DATE) 2-15-96
PAGE 1 OF ___ PAGE(S)

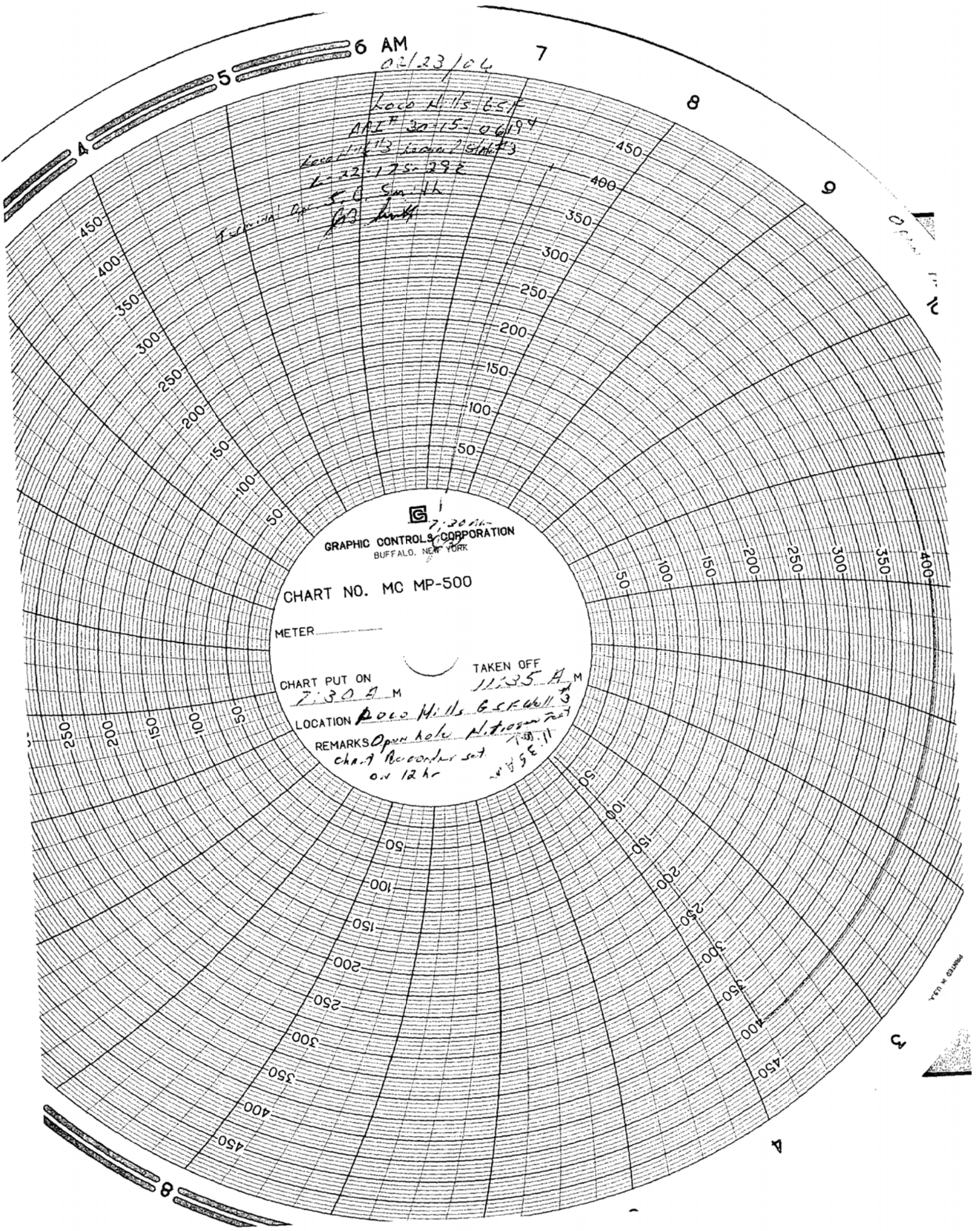
Tu. 19
Tu Ft. 599.70'
Part of
From Stock Of: Midland Pipe + Supply
Shipped To: Loco Hills Gas Storage, Loco Hills, N.M.
Trucking Co. MDE

19 jts 599.70' - 2 7/8 6.5# EUE used w/ one IPC long

1	JT#	FEET	TOTAL	JT#	FEET	TOTAL	JT#	FEET	TOTAL
	1	32.90	32.90						
	2	32.00	64.90						
	3	32.00	96.90						
	4	31.60	128.50						
	5	33.00	161.50						
	6	31.40	192.90						
	7	31.30	224.20						
	8	30.80	255.00						
	9	30.90	285.90						
	10	28.80	314.70						
	11	29.20	343.90						
	12	31.80	375.70						
	13	32.00	407.70						
	14	31.60	439.30						
	15	32.10	471.40						
	16	31.80	503.20						
	17	31.60	534.80						
	18	31.80	566.60						
	19	33.10	599.70						

593' + 4' perforated sub

DRIVER PURCHASEER


6 AM
7
8
9
10
5
4
3
2
1
02/23/04
Loco Hills GSF
API # 30-15-06194
Loco Hills #3 Lease & Well #3
L-22-17S-29E
Terminal Dpr S. G. Smith
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500
METER
CHART PUT ON 7:30 A M
TAKEN OFF 11:35 A M
LOCATION Loco Hills GSF Well #3
REMARKS Open hole Nitrogen Test
chart Recorder set on 12 hr
7:30 AM
11:35 AM
PRINTED IN U.S.A.

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 265-50140

Pressure Range 500# **p.s.i. accuracy +/-** 0.2 **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0	400#	400#	0.0
50#	50#	0.0	300#	300#	0.0
150#	150#	0.0	200#	200#	0.0
250#	250#	0.0	100#	100#	0.0
350#	350#	0.0	0.0#	0.0#	0.0
500#	500#	0.0			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 02/21/2006 **Inspector** [signature]

JOB LOG

TICKET # 4228851	TICKET DATE 02/21/06		
REGION NORTH AMERICA LAND	NWA / COUNTRY Permain Basin / USA	BDA / STATE Midland	COUNTY EDDY / STATE NM
MBU ID / EMPL # OD22102/ 301905	H.E.S EMPLOYEE NAME F. Castillo	PSL DEPARTMENT P.E./ Stimulation	
LOCATION Odessa, Tx.	COMPANY Loco Hills	CUSTOMER REP JB Smith	PHONE 505.677.2331
TICKET AMOUNT 10,310.00 / 9,919.60	WELL TYPE gas	API/UWI #	
WELL LOCATION Loco Hills N.M.	DEPARTMENT Nitrogen Services	JOB PURPOSE CODE 14104	
LEASE / WELL # Leonard State #3	SEC / TWP / RNG N/A		

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
CST	08:45							ARRIVE ON LOCATION 02-21-06
	08:50							CONDUCT LOCATION ASSESSMENT SAFETY MEETING
	08:55							Spot & Setup N2 Equip
09:50								Cool down
	10:15							Safety Meetings
	10:20				✓		1,000	TEST LINE
	10:26	300			✓		70	START N2
	10:31	300			✓		245	5 min N2
	10:33	400			✓		265	Increase N2 Rate
	10:41	400	5200		✓		305	15 min N2
	10:42	400	5800		✓		310	SHUT DOWN N2 WELLHEAD LEAK
	03:04	400			✓		130	START N2
	03:09	450	8,000		✓		210	5 min N2
	03:19	450	12,500		✓		240	15 min N2
	03:34	450	20,200		✓		260	30 min N2
	03:44	450	24,700		✓		300	40 min N2
	03:46	700	25,600		✓		350	Increase N2
	04:15	700	41,000		✓		480	SHUT DOWN
								20,000 SF Down Hole
								20,000 SF cool down
								40,000 SF N2 Total
								8 - hours on Loc

Submit 3 Copies To Appropriate District Office
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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-103
Revised June 10, 2003

WELL API NO.	30-15-26194
5. Indicate Type of Lease	STATE ☑ FEE ☐
6. State Oil & Gas Lease No.	BL-635
7. Lease Name or Unit Agreement Name	Leonard
8. Well Number	3
9. OGRID Number	
10. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD Storage
2. Name of Operator: Loco Hills GSF LLC
3. Address of Operator: 1231 Old Santa Fe Rd Santa Fe, NM 87505
4. Well Location

Unit Letter L : 1925 feet from the South line and 560 feet from the West line

Section 22 Township 17-S Range 28-E NMPM County Eddy

11. Elevation (Show whether DF, RKB, RT, GR, etc.) 66

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☑	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Pull 2 7/8" tubing, round work. Set tension packer within 100' of bottom of casing shoe. Run MIT (300# for 30 min) using calibrated pressure chart recorder. Run new 2 7/8" J55 tubing, nipple up true open hole nitrogen test (300# for 4 hrs) using a calibrated pressure chart recorder.

If MIT on casing fails, Run CBL - set CIBP - spot 5 sacks cement - Run PLS 10# 4" casing. Circulate cement up backside to surface. Run CBL + MIT on new casing. Install 2 7/8" FL 4E tubing nipple up and run open hole nitrogen test. Will notify OCD before work and before any test is run.

Estimated start date: [illegible] after pulling unit

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

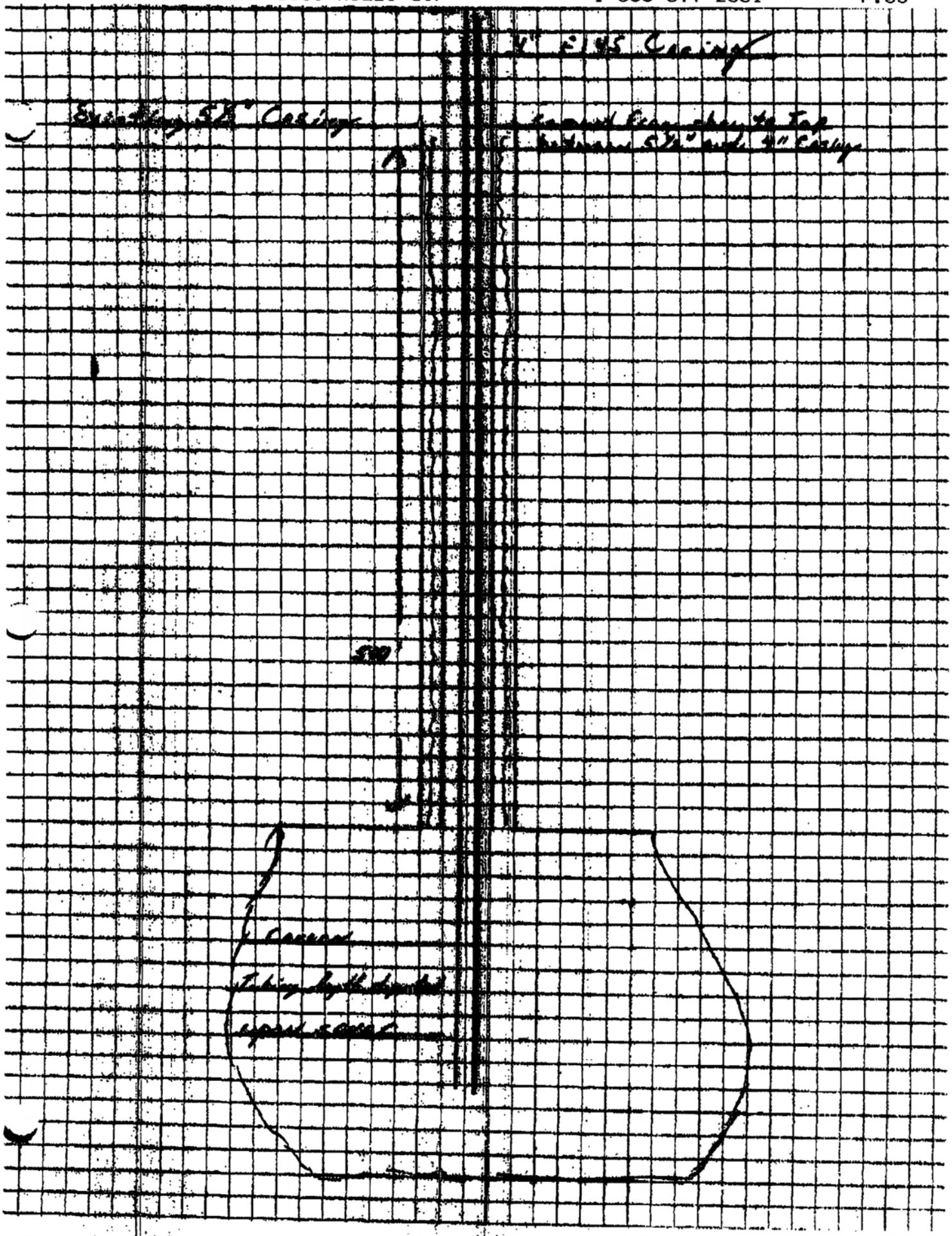
SIGNATURE [illegible] TITLE Terminal Operator DATE Feb 1, 2006

Type or print name Tabor B. Smith E-mail address: Telephone No. (505) 622-1313

(This space for State use)

APPPROVED BY: Accepted for record NMOCD TITLE DATE MAR 07 2006

Conditions of approval, if any:


7" 8 5/8 Casing
Existing 5 1/2" Casing
Cement Circulated to Surface 8 5/8" and 7" Casing
500'
Cement
Tubing hydrostatic
equalization

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
Revised June 10, 2003

WELL API NO. 30-15-06194

5. Indicate Type of Lease STATE ☑ FEE ☐

6. State Oil & Gas Lease No. BL-635

7. Lease Name or Unit Agreement Name Leonard

8. Well Number 3

9. OGRID Number

10. Pool name or Wildcat

RECEIVED FEB 13 2006 OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Salt dome Storage

2. Name of Operator Loco Hills GSF LTD

3. Address of Operator 1231 Old Aermotor Rd Abeda, Texas 79008

4. Well Location

Unit Letter L : 1925 feet from the South line and 560 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING If needed	☑	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Pull 2 7/8" tubing, sonar well. Set tension packer within pt of bottom of casing shoe. Run MIT (300# for 30 min) using calibrate pressure chart recorder. Run new 2 7/8" J55 tubing, nipple up run open hole nitrogen test (300# for 4hr.) using a calibrated press. art recorder

If MIT on casing fails. Run CBL - set CIBP - spot 5 sacks cement - Run FL45 10# 4" casing. Circulate cement up backside to rface. Run CBL + MIT on new casing. Install 2 3/8" FL4S tubing ipple up and run open hole Nitrogen test. Will notify OCD fore works and before any test is run

Estimated start date dependent upon pulling unit

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

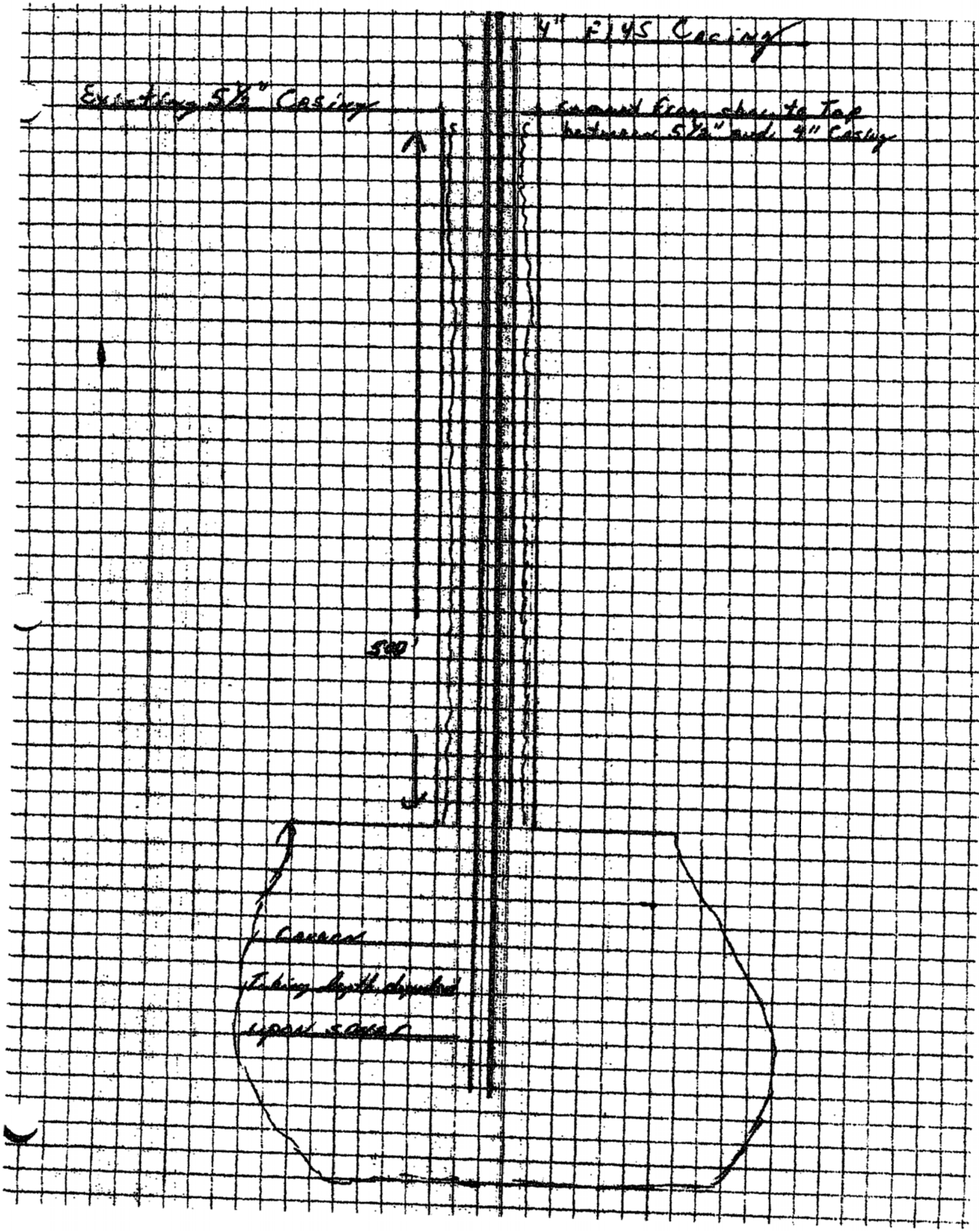
SIGNATURE John B Smith TITLE Terminal Operator DATE Feb 1, 2006

Type or print name John B. Smith E-mail address: Telephone No. (505) -622-2

(This space for State use)

APPPROVED BY Accepted for record NMOCD TITLE DATE MAR 07 2006

Conditions of approval, if any:


4" F145 Casing
Existing 5½" Casing
Cement from shoe to top between 5½" and 4" Casing
500'
Cement
Tubing depth depended upon sand

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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

2006 FEB 27 PM 2 30

RECEIVED
MAR 07 2006
OCD ARTESIA

Form C-103
Revised June 10, 2003

WELL API NO.	30-15-06194
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	BL-635
7. Lease Name or Unit Agreement Name	Leonard
8. Well Number	Leonard State #3
9. OGRID Number	
10. Pool name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☑ Other Salt Dome Storage

2. Name of Operator: Loco Hills GSF LTD

3. Address of Operator: 1231 Old Aurora Rd. Aledo, Texas 76008

4. Well Location

Unit Letter L : 1975 feet from the South line and 560 feet from the West line

Section 22 Township 17S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.): GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☑	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/15/06 Sonared well, Ran MIT on casing using high pressure chart recorder (400#-30min) Packer set at 492'

02/16/06 Ran 600' J-55 plastic coated 2 7/8" tubing, Hydro static test done on tubing (1500#) Nipped up.

02/21/06 Expected Nitrogen for open hole Nitrogen test. (Appx 400#)

02/23/06 Ran 4hr open hole Nitrogen test using high pressure chart recorder (400#)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 02/24/06

Type or print name John B. Smith E-mail address: Telephone No. (505) 677-2

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

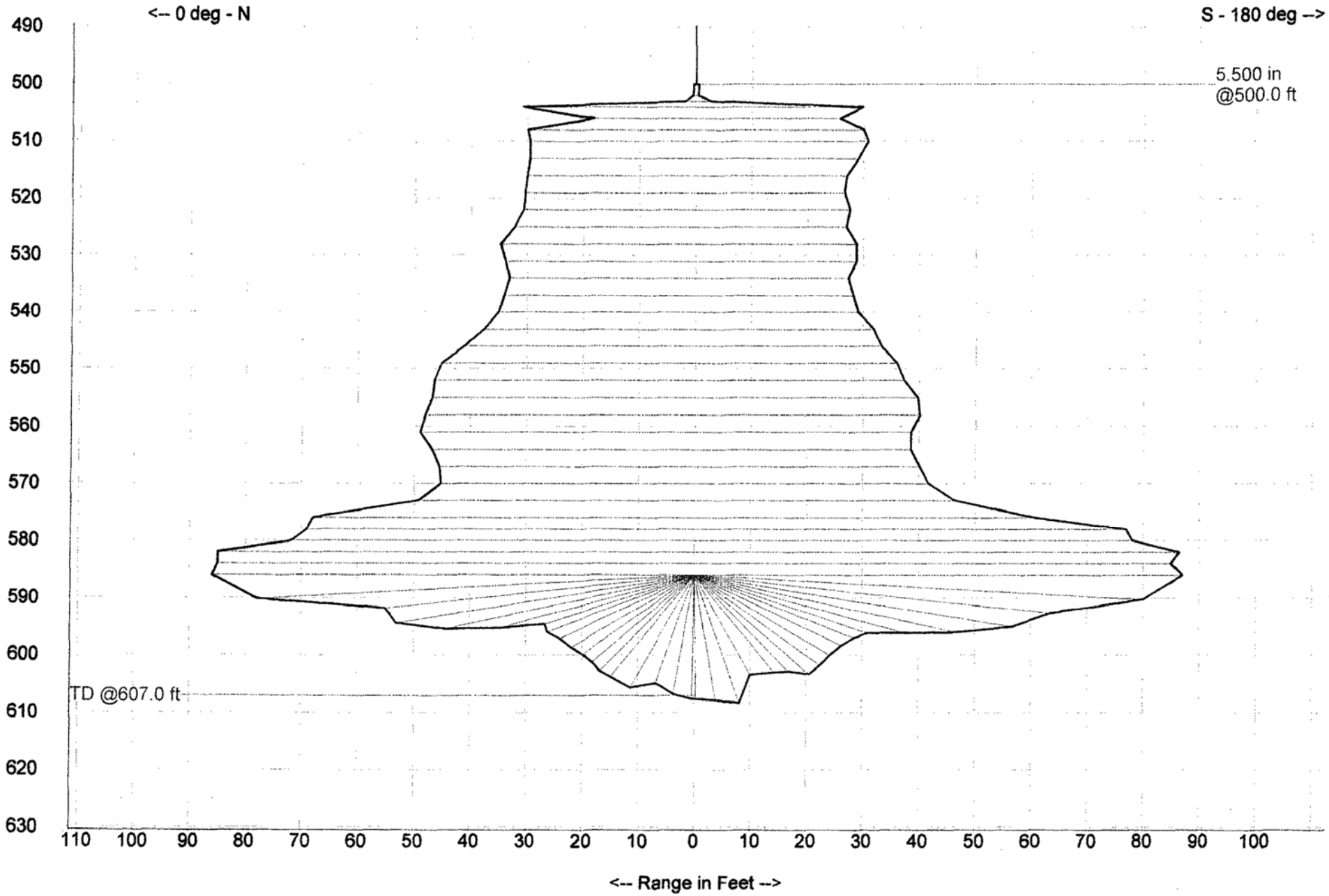
Accepted for record - NMOCD

MAR 14 2006

LOCO HILLS G.S.F.
LOCO HILLS, NM

SONARWIRE, INC
Vertical Cross Section

STORAGE WELL NO. 3
Wed, Feb 15, 2006



SONARWIRE INC.
Depth versus Volume

LOCO HILLS G.S.F.
LOCO HILLS, NM

STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
501	0.1	0.1	5.3	5.3
502	0.1	0.3	5.4	10.7
503	0.1	0.4	5.7	16.4
504	1.8	2.2	74.7	91.1
505	421.1	423.2	17685.3	17776.4
506	386.6	809.9	16237.7	34014.1
507	401.5	1211.4	16862.9	50877.0
508	462.3	1673.7	19416.8	70293.8
509	531.3	2204.9	22312.9	92606.7
510	520.1	2725.1	21846.3	114453.0
511	509.3	3234.4	21389.9	135842.8
512	497.7	3732.1	20905.4	156748.2
513	486.4	4218.5	20429.7	177178.0
514	475.3	4693.8	19962.9	197140.8
515	467.0	5160.8	19612.3	216753.1
516	458.8	5619.6	19270.2	236023.3
517	450.9	6070.5	18936.5	254959.8
518	450.1	6520.6	18906.0	273865.9
519	449.5	6970.1	18877.9	292743.8
520	448.9	7419.0	18852.3	311596.1
521	451.7	7870.7	18972.5	330568.6
522	454.7	8325.3	19095.9	349664.5
523	457.7	8783.0	19222.4	368886.9
524	466.9	9249.9	19610.1	388497.0
525	476.3	9726.2	20005.1	408502.2
526	485.9	10212.1	20407.4	428909.5
527	504.1	10716.2	21172.6	450082.2
528	522.7	11238.9	21953.5	472035.6
529	541.7	11780.6	22749.9	494785.6
530	546.4	12327.0	22949.0	517734.6
531	551.2	12878.2	23150.3	540884.8
532	556.0	13434.3	23353.8	564238.7
533	546.8	13981.0	22964.0	587202.7
534	537.6	14518.6	22579.9	609782.6
535	528.6	15047.2	22201.7	631984.3
536	540.6	15587.9	22706.5	654690.7
537	552.8	16140.7	23218.9	677909.6
538	565.2	16705.9	23739.0	701648.7
539	578.1	17284.0	24281.3	725930.0
540	591.3	17875.3	24832.9	750762.9
541	604.6	18479.9	25393.7	776156.6
542	625.9	19105.8	26285.8	802442.4
543	647.6	19753.3	27198.1	829640.5
544	669.8	20423.1	28130.7	857771.2
545	685.9	21109.0	28806.2	886577.4
546	702.2	21811.2	29492.5	916069.9

LOCO HILLS G.S.F.
LOCO HILLS, NM

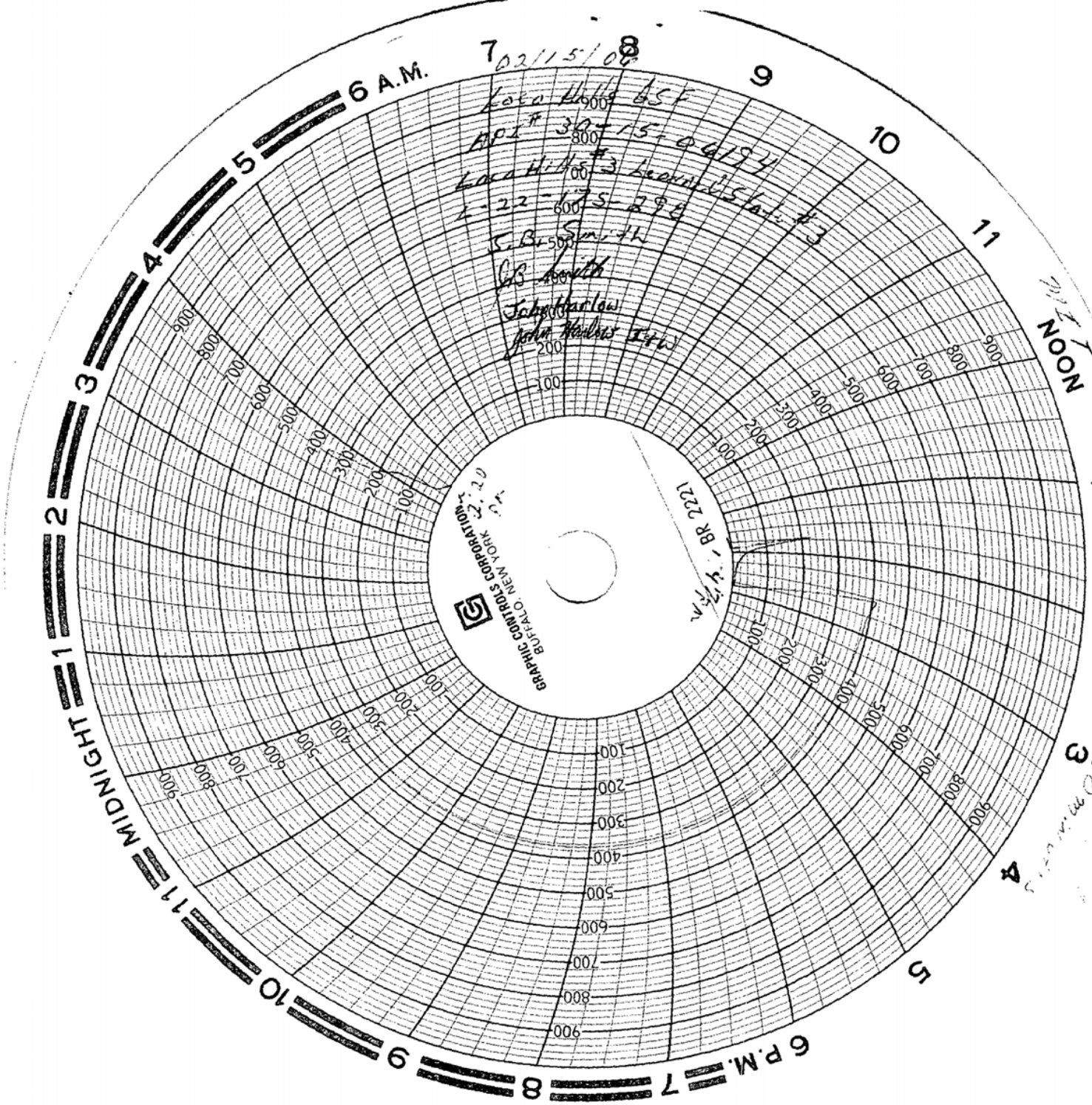
STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
547	718.8	22530.0	30189.6	946259.4
548	754.2	23284.2	31675.3	977934.7
549	790.5	24074.7	33202.1	1011136.8
550	827.9	24902.5	34769.9	1045906.7
551	844.9	25747.4	35484.2	1081390.8
552	862.1	26609.5	36209.8	1117600.6
553	879.7	27489.2	36946.9	1154547.5
554	904.9	28394.1	38006.1	1192553.6
555	930.7	29324.8	39087.7	1231641.3
556	956.9	30281.7	40191.6	1271833.0
557	973.2	31254.9	40873.8	1312706.8
558	989.6	32244.6	41564.5	1354271.3
559	1006.3	33250.8	42263.7	1396535.0
560	1008.5	34259.3	42355.4	1438890.4
561	1010.8	35270.1	42454.6	1481344.9
562	1013.4	36283.5	42561.2	1523906.1
563	1009.9	37293.4	42415.4	1566321.5
564	1006.7	38300.1	42283.4	1608604.9
565	1003.9	39304.1	42165.2	1650770.1
566	1018.9	40323.0	42794.7	1693564.8
567	1034.5	41357.5	43450.9	1737015.7
568	1050.8	42408.3	44134.0	1781149.7
569	1103.5	43511.8	46346.4	1827496.2
570	1158.4	44670.2	48653.8	1876149.9
571	1215.6	45885.9	51056.0	1927205.9
572	1268.5	47154.3	53276.2	1980482.1
573	1324.6	48478.9	55632.4	2036114.5
574	1383.9	49862.8	58124.8	2094239.3
575	1727.0	51589.9	72535.0	2166774.3
576	2115.0	53704.9	88830.5	2255604.7
577	2547.9	56252.8	107011.3	2362616.1
578	2806.7	59059.4	117880.4	2480496.4
579	3092.7	62152.1	129891.5	2610387.9
580	3149.3	65301.4	132270.6	2742658.6
581	3206.8	68508.2	134685.0	2877343.5
582	3725.3	72233.5	156462.2	3033805.7
583	4283.6	76517.1	179913.0	3213718.7
584	4292.4	80809.5	180281.7	3394000.4
585	4301.5	85111.0	180662.4	3574662.8
586	4290.1	89401.1	180185.0	3754847.7
587	4279.1	93680.3	179724.2	3934572.0
588	4096.7	97777.0	172060.3	4106632.3
589	3918.2	101695.2	164565.6	4271197.9
590	3744.0	105439.2	157248.7	4428446.6
591	4084.0	109523.2	171528.5	4599975.1
592	3349.4	112872.6	140673.1	4740648.2
593	2426.3	115298.9	101905.2	4842553.4
594	2041.1	117340.0	85727.0	4928280.4

LOCO HILLS G.S.F.
LOCO HILLS, NM

STORAGE WELL NO. 3
Wed, Feb 15, 2006

Depth	Barrels per ft.	Barrels total	Gallons per ft.	Gallons total
595	1859.8	119199.8	78112.6	5006393.0
596	1471.9	120671.7	61818.2	5068211.2
597	1262.5	121934.2	53026.0	5121237.2
598	825.7	122760.0	34681.3	5155918.5
599	629.9	123389.9	26456.6	5182375.2
600	512.8	123902.6	21536.0	5203911.1
601	429.7	124332.3	18047.0	5221958.2
602	315.0	124647.4	13230.6	5235188.8
603	268.6	124915.9	11279.8	5246468.6
604	218.4	125134.4	9174.9	5255643.5
605	183.4	125317.7	7701.5	5263345.0
606	147.4	125465.1	6190.6	5269535.6
607	112.1	125577.3	4709.0	5274244.5
608	84.0	125661.3	3528.0	5277772.5
609	49.8	125711.0	2089.8	5279862.3
610	17.8	125728.8	749.2	5280611.5
611	1.7	125730.6	72.8	5280684.3



BOP in place when tested

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 6068

Pressure Range 1000# **p.s.i. accuracy +/-** 0.2% **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0#	800.0#	800.0#	0.0#
100.0#	100.0#	0.0#	600.0#	600.0#	0.0#
300.0#	300.0#	0.0#	400.0#	400.0#	0.0#
500.0#	500.0#	0.0#	200.0#	200.0#	0.0#
700.0#	700.0#	0.0#	0.0#	0.0#	0.0#
1000.0#	1000.0#	0.0#			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 07-21-2005 **Inspector**

Bus: (432) 683-3033
Fax: (432) 570-5253

2 7/8 used 6.5# (SIZE) (WEIGHT)

IPC EUE (GRADE) (COUPLING)

Td. 19

MIDLAND
pipe & equipment

P.O. Box 8715
Midland, Tx 79708-8715

9-15-16 (DATE)

PAGE 1 OF 1 PAGE(S)

Td Ft 599.70'	From/Stock Of Midland Pipe & Equip	Shipped To Loco Hills Gas Storage Loco Hills, N.M.	Trucking Co. MDE

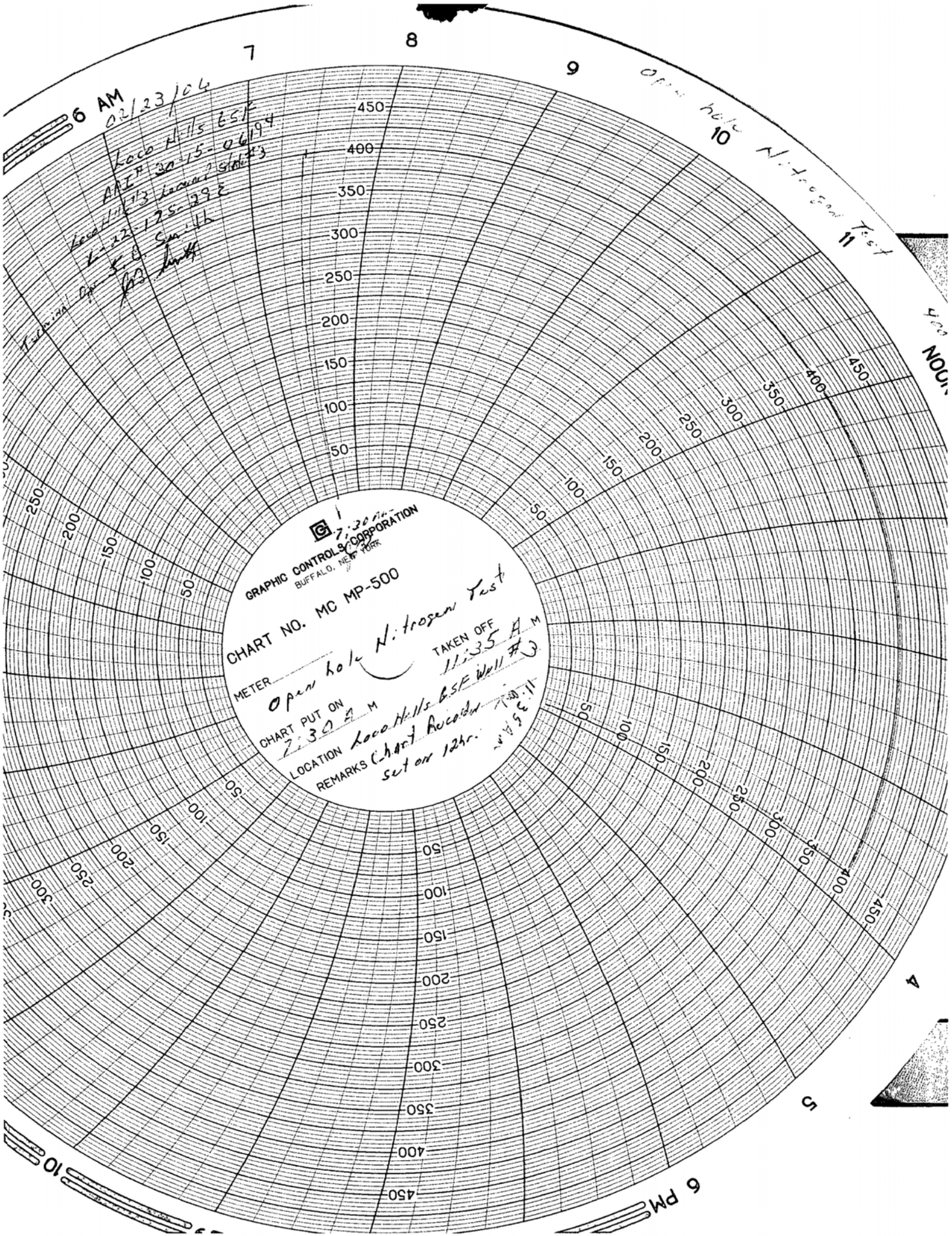
Part of

19 jts 599.70' - 2 7/8 6.5# IPC EUE used WT
see IPC Tally

1	JT#	FEET	TOTAL	JT#	FEET	TOTAL	JT#	FEET	TOTAL
	1	32.90	32.90						
	2	32.00	64.90						
	3	32.00	96.90						
	4	31.60	128.50						
	5	33.00	161.50						
	6	31.40	192.90						
	7	31.30	224.20						
	8	30.80	255.00						
	9	30.90	285.90						
	10	28.80	314.70						
	11	29.20	343.90						
	12	31.80	375.70						
	13	32.00	407.70						
	14	31.60	439.30						
	15	32.10	471.40						
	16	31.80	503.20						
	17	31.60	534.80						
	18	31.80	566.60						
	19	33.10	599.70						

593' + 4' perforated sub

DRIVER PURCHASER


6 AM
7
8
9
10
11
NOON
1
2
3
4
5
6 PM
10
02/23/04
Loco Hills 6SF
API # 30-15-06194
Loco Hills 13 Lease 2 Well #3
L-22-17S-29E
Open hole Nitrogen Test
Terminal Op. S. G. Smith
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500
METER
Open hole Nitrogen Test
TAKEN OFF
11:35 A M
CHART PUT ON
7:30 A M
LOCATION Loco Hills 6SF Well #3
REMARKS (Chart Recorder
Set on 12hr.

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 265-50140

Pressure Range 500# **p.s.i. accuracy +/-** 0.2 **% Full Scale** _____ **p.s.i.** _____

Increasing Pressure			Decreasing Pressure		
Applied Pressure	*Indicated Pressure*	*Difference*	*Applied Pressure*	*Indicated Pressure*	*Difference*
0.0#	0.0#	0.0	400#	400#	0.0
50#	50#	0.0	300#	300#	0.0
150#	150#	0.0	200#	200#	0.0
250#	250#	0.0	100#	100#	0.0
350#	350#	0.0	0.0#	0.0#	0.0
500#	500#	0.0			

Calibrated By: Crystal **Gauge** **Deadweight** _____

This Is To Certify That This Recorder Has Been Inspected And Tested.

Remarks _____

Date Of Calibration 02/21/2006 **Inspector** _____

JOB LOG

TICKET # 4228851	TICKET DATE 02/21/06		
REGION NORTH AMERICA LAND	NWA / COUNTRY Permain Basin / USA	BDA / STATE Midland	COUNTY EDDY / STATE NM
MBU ID / EMPL # OD22102/ 301905	H.E.S EMPLOYEE NAME F. Castillo	PSL DEPARTMENT P.E./ Stimulation	
LOCATION Odessa, Tx.	COMPANY Loco Hills	CUSTOMER REP JB Smith	PHONE 505.677.2331
TICKET AMOUNT 12,310.00 / 9,919.60	WELL TYPE gas	API/UWI #	
WELL LOCATION Loco Hills N.M.	DEPARTMENT Nitrogen Services	JOB PURPOSE CODE 14104	
LEASE / WELL # Leonard State #3	SEC / TWP / RNG N/A		

Chart No.	Time	Rate (BPM)	Volume (BBL)(GAL)	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
CST	08:45							ARRIVE ON LOCATION 02-21-06
	09:00							CONDUCT LOCATION ASSESSMENT SAFETY MEETING
	08:55							Spot & Set-up N2 Equip
09:50								Cool down
	10:15							Safety Meeting
	10:20				✓		1,000	TEST LINE
	10:26	300			✓		70	START N2
	10:31	300			✓		245	5 min N2
	10:33	400			✓		265	Increase N2 Rate
	10:41	400	5200		✓		305	15 min N2
	10:42	400	5800		✓		310	SHUT DOWN N2 WELL HEAD LEAK
	03:04	400			✓		130	START N2
	03:09	450	8,000		✓		210	5 min N2
	03:19	450	12,500		✓		240	15 min N2
	03:34	450	20,200		✓		260	30 min N2
	03:44	450	24,700		✓		300	40 min N2
	03:46	700	25,600		✓		350	Increase N2
	04:15	700	41,000		✓		480	SHUT DOWN
								20,000 scf Down Hole
								20,000 scf cool down
								40,000 scf N2 Total
								8 - hours on Loc

Submit 3 Copies To Appropriate District Office
District I
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1000 Rio Brazos Rd., 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

RECEIVED
JUN 18 2010
NMOCD ARTESIA

Form C-103
Revised March 25, 1999

WELL API NO. 30-15-06194

5. Indicate Type of Lease
STATE ☑ FEE ☐

6. State Oil & Gas Lease No.
BL-635

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Leonard

1. Type of Well:
Oil Well ☐ Gas Well ☐ Other Salt Dome Storage

2. Name of Operator
Lone Hills LSF LTD

8. Well No.
Leonard State #3

3. Address of Operator
1231 Old Aurora Rd Aledo, Texas 76008

9. Pool name or Wildcat

4. Well Location
Unit Letter L : 1925 feet from the South line and 560 feet from the West line
Section 22 Township 17S Range 29E NMPM County Eddy

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Sonar Well for capacity and configuration
MIT Test (min 300# for 30 min) chart recorded
If we can't get a good MIT Nipple up and notify OCD

Estimated start date June 22 2010

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John B Smith TITLE Terminal Operator DATE 6/18/10

Type or print name Telephone No.

(This space for State use)

APPPROVED BY Signed By Mike Bratcher TITLE Dist II DATE 6/18/10

Conditions of approval, if any:
Notify OCD 24 Hrs. prior to running tests