

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

Form C-103
Revised June 10, 2003

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

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

2000 FEB 27 PM 2:30
RECEIVED
MAR 07 2006
SUNDY 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
Looco Hills GSF LTD

3. Address of Operator
1231 Old Anna Ha Rd. Alamo, Texas

4. Well Location
76008

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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
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 Sonamed well, ran MIT on casing using high pressure chart recorder (400# - 30 min) Packer set at 492'

02/16/06 Ran 600' 5-55 plastic coated 2 7/8" tubing, Hydro static test done on tubing (1500#) Nipped up.

02/21/06 Injected Nitrogen for open hole Nitrogen test. (Approx 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)

APPROVED BY _____ TITLE _____ DATE _____
Conditions of approval, if any:

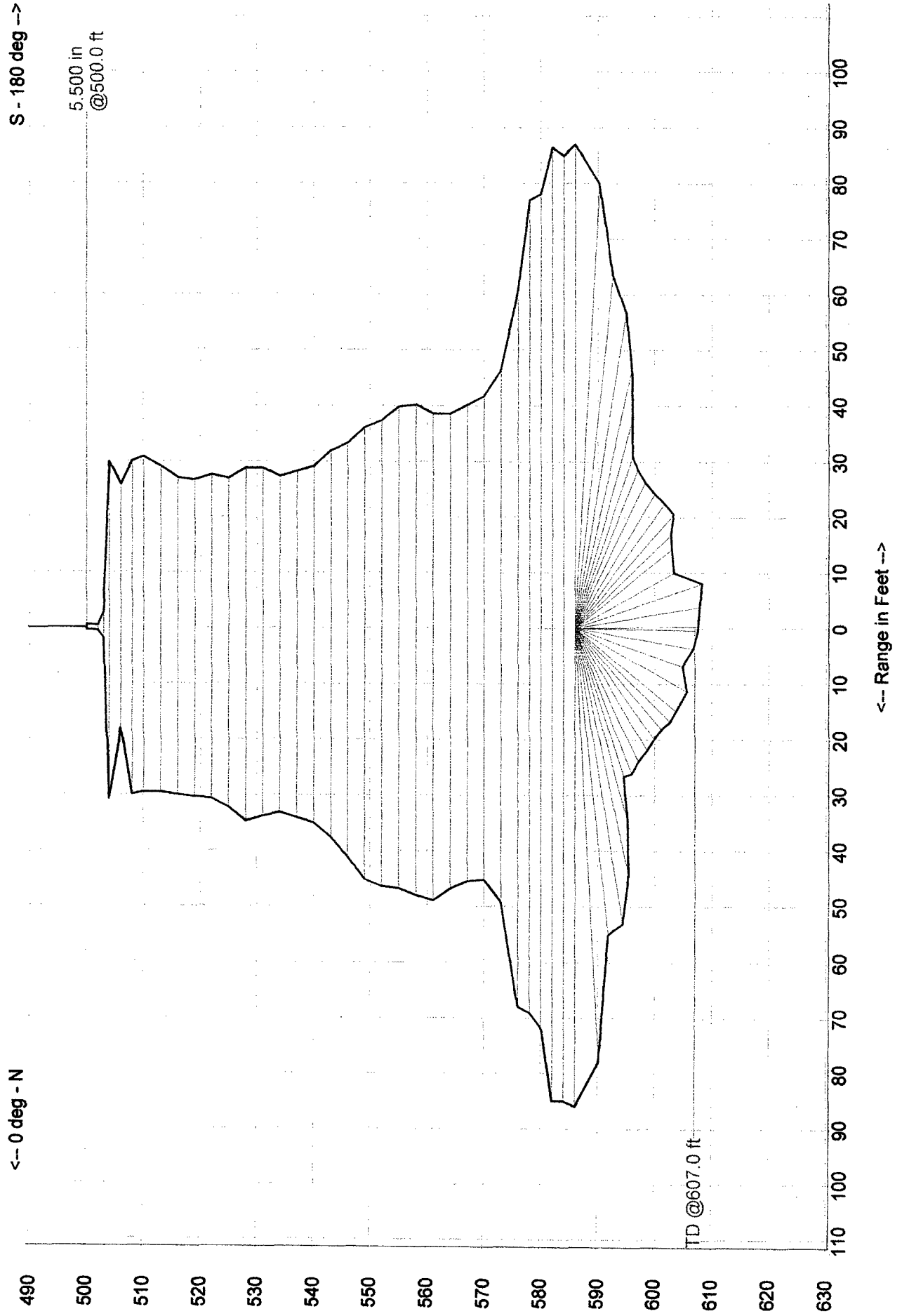
Accepted for record - NMOCD

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

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

9.75 used 125V
(SIZE) (WEIGHT)
TPE FUE
(GRADE) (COUPLING)

MIDLAND
pipe
&
equipment

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

(DATE) 2-15-11
PAGE 1 OF 1 PAGE(S)

To: 19
To Ft. 594.70' From Stock 0' Shipped To Logo Hills Storage Trucking Co. M D/E
Part of 19 ft 594.70' - 2.7/8" 12.5V KUE used WT
same TPE 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						

5'93' + 4' preferred sub

NEW LIMITED SERVICE/REJECT AND USED MATERIALS
ARE SOLD "AS IS, WITHOUT WARRANTY OF MERCHANTABILITY
OR FITNESS" ALL SALES MADE IN MIDLAND CO. TX. AND
REMAIN THE PROPERTY OF MIDLAND PIPE UNTIL PAID IN
FULL.

DRIVER

PURCHASER

Pipe Yard - 2840 S. D. - 11

6 AM

02/23/06

Loco Hills 651

Loco H
AIP 30-15-06
13 Locust St 43
992

ARI
Hick 1/3
22-125-292
Sum with

22-123 Smith

W3 10/4

63

open hole 10

11

NOV 1963

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
MP-500

GRAPHIC CONTROLS
BUFFALO, N. Y.

CHART NO. MC MP-500

104 N. frozen Test

TAKEN OFF
11:35
1/11/41

METER.

CHART PUT ON
7:30 P M
ON Loc

LOCATION

REMARKS (Chart 11)
set on 12hr.

PHIC CONT
BUFFALO, N.Y.

MC MP-500

NO. MC MP-500

Open hole N. frozen Test

TAKEN OFF
11:35

W. B.S.F. Well

TAKEN OFF
11:35 A.M.
WELL #3

2 Hells BSF Wall
Recorded 7/11/11

set on 12hr.

6 PM

Wildcat Measurement

Calibration Certificate

Pressure Recorder

Serial Number: 265-50140

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

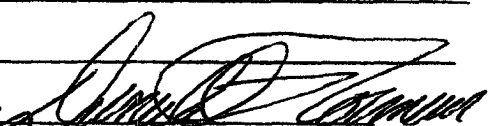
Increasing Pressure			Decreasing Pressure		
<i>Applied Pressure</i>	<i>Indicated Pressure</i>	<i>Difference</i>	<i>Applied Pressure</i>	<i>Indicated Pressure</i>	<i>Difference</i>
0.0#	0.0#	0.0	400#	400#	0.0
50#	50#	0.0	300#	300#	0.0
150#	150#	0.0	200#	200#	0.0
250#	250#	0.0	100#	100#	0.0
350#	350#	0.0	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	
MBU ID / EMPL # OD22102/ 301905		N.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		APIUM#			
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 C	Press (PSI) Tbg Csg	Job Description / Remarks	
CST	08:45					ARRIVE ON LOCATION 02-21-06	
	08:50					CONDUCT LOCATION ASSESSMENT SAFETY MEETING	
	08:55					Spot & Set-up N2 Equip.	
09:50	09:00					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	
	10:47	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	10,500	✓	240	15 min N2	
	03:34	450	20,200	✓	260	30 min N2	
	03:44	450	34,700	✓	300	40 min N2	
	03:46	700	25,600	✓	350	INCREASE N2	
	04:15	100	41,000	✓	480	SHUT DOWN	
						20,000 scf Nitrogen Note	
						20,000 scf Cool down	
						40,000 scf N2 Total	
						8-hours on loc	