

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 *RM*
June 19, 2008

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

WELL API NO. 30-015-37790
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG-3782
7. Lease Name or Unit Agreement Name Aid State
8. Well Number #4
9. OGRID Number 258462
10. Pool name or Wildcat Empire Glorieta-Yeso

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-111) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Nadel and Gussman HEYCO, LLC	
3. Address of Operator P.O. Box 1936, Roswell, NM 88202	
4. Well Location Unit Letter I: 1650 feet from the South line and 330 feet from the East line Section 13 Township 17S Range 28E NMPM EDDY County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3692' 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 COMPL ☐ DOWNHOLE COMMINGLE ☐ OTHER: ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: Spud Date and Surface Csg and Cmt Reports ☒
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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.

6/8/10 Spud Well @ 6:00 am
6/9/10 – Surface, Hole Size 12 1/4", Run 8 Jts. 9 5/8" 36# J-55. Depth 297', Lead: 155 sks Class "C" +1% CACL2+ .25% R-38, Cmt wt 14.80, Yield 1.32, Gal/sk 6.32.
No problems w/csg or cmt jobs. Bump plug @ 16:50 pm plug need did not hold, shut head in w/500 psi. Circ 85 sks to pit.

See also attached:
V&P Gage, Report from Rising Star , Accumulator Function Test from Man Welding Service, Inc., Csg & Cmt tally.

Spud Date: 6/8/10 Rig Release Date:

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

SIGNATURE *Tammy R. Link* TITLE _____ DATE 6/15/10

Type or print name: Tammy R. Link E-mail address: tlink@heycoenergy.com PHONE: 575-623-6601

For State Use Only

APPROVED BY: *Tammy R. Link* TITLE Geologist DATE 7/7/2010

Conditions of Approval (if any): _____

SUMMARY CASING AND CEMENTING REPORT

STRING: SURFACE DATE: 6/9/2010

OPERATOR: NADEL & GUSSMAN HEYCO WELL: AID STATE # 4
CONTRACTOR: WESTERN RIG RIG: #4
REP: BUDDY LAMBERSON

CASING DETAIL

HOLE SIZE:	12 1/4"	DEPTH:	297'
12 1/4 " HOLE			301.00
9 5/8" FLOAT SHOE			<u>0.90</u>
			399.10
1 JTS 9 5/8" 36# J-55 STC Csg			<u>37.28</u>
			361.82
9 5/8" FLOAT COLLAR			<u>1.20</u>
			360.62
7 JTS 9 5/8" 36# J-55 STC Csg			<u>263.69</u>
			-4.88
KB TO GL			<u>11.00</u>

CENTRALIZERS PLACED @ 278' 220' 183' 145' 70'

REMARKS:

TOTAL CASING DELIVERED.... 110 JTS 9 5/8" 40# J-55 STC (378.15)
ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, 2 SHOE JTS, FLOAT INSERT, WERE THREAD LOCKED. & WELDED
TAGGED BOTTOM NO FILL. CIRCULATED CAPACITY & ANNULAR VOLUME

EXCESS CASING

CASING NOT USED 42JTS 9 5/8" 40# J-55(75.85) J-55 LTC.
DISPOSITION 2 JTS 40# J-55 TRANSFERRED TO NGP YARD (ARTESIA)

CEMENTING DATA

COMPANY: RISING STAR

DISTRICT: HOBBS

1ST STAGE:

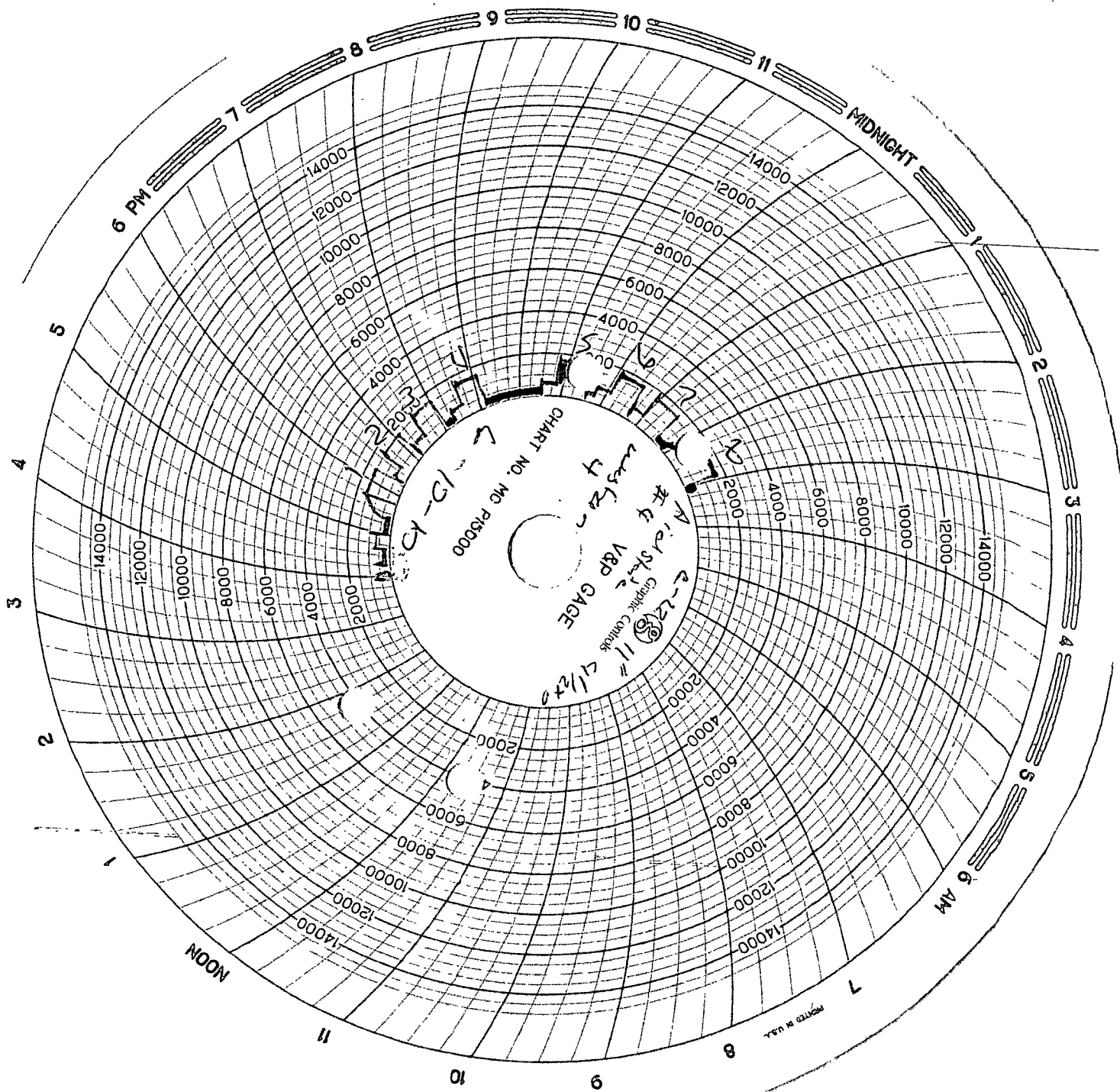
PREFLUSH: 20 bbls FW, 20 bbls chemical wash

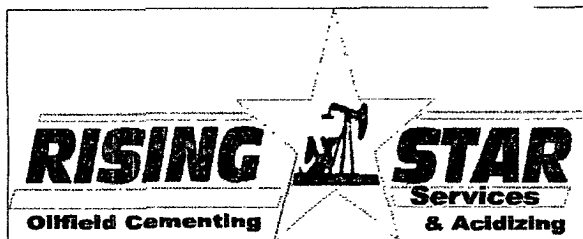
LEAD: 155 SK, "C" +1%CACL2+.25%R-38, CMT WT 14.80, YIELD 1.32, GAL/SK 6.32

TAIL:

NOTE:

NO PROBLEMS W/ CSG OR CMT JOBS. BUMP PLUG @ 20:00 PM PLUG NEED NOT
HOLD, SHUT HEAD IN W/ 500PSI. CIRC 85 SKS TO PIT.





Date:	6/9/10	Time:	06:30
Truck Called:	6/9/10	Arrived at job:	10:40
Start Job:	6/9/10	Finish Job:	16:45
Leave Location:	6/9/10		17:00

Job Log

RISING STAR SERVICES LP.		Customer Name:		Nadel & Gussman/Heyco		Ticket Number:		39358	
P.O. BOX 61193		Lease Name:		Aid St.		Supervisor:		TONY NOWAK	
MIDLAND, TEXAS 79711		Well #:		4		County:		Eddy	
OFFICE # 432-617-0114		Type of Job:		Surface		CUSTOMER REPRESENTATIVE:		Buddy Lamberson	
FAX #432-339-0140		Date:		6/9/2010					
Tubing Size:		Casing size:		9 5/8		Liner size:			
Tubing weight:		Casing weight:		36		Top of Liner:			
Tubing bbl/ft		Total Depth:		301		Bottom of Liner:			
Retainer depth:		Total Pipe:		302.30		Annular Volume:		16.7	
Packer depth:		Open Hole:		12.25		BHST:			
Perfs:		Shoe Joint:		38.24		BHCT:			
Holes in casing:		Displacement:		20.4 bbls		Maximum:		2816 Psi	
		Pre-Flush:		10 bbls					
Sks.		Cement Additives							
Lead Cement:		155		C+1%CACL2+.25%R-38					
Cmt. Wt.		14.80	Yield	1.35	Gal/sk	6.34	Mixing Water:	23.40	:bbls
							Total Ft.³:	209.25	ft.³
Tail Slurry									
Cmt. Wt.			Yield		Gal/sk		Mixing Water:		:bbls
							Total Ft.³:		ft.³
Cmt. Wt.			Yield		Gal/sk		Mixing Water:		:bbls
							Total Ft.³:		ft.³
Cmt. Wt.			Yield		Gal/sk		Mixing Water:		:bbls
							Total Ft.³:		ft.³
Total sks:		155	sks.	Total Bbls. Cmt.:	37.27	:Bbls	Total Water for Job:		
Total Ft.³:		209	ft.³	Total Mix Water:	23.40	:Bbls	75.00 :Bbls		

Acid Systems

Acid System:		Gallons				
Diverter:		Balls		Coarse Rock Salt		
Injection Rate:		Job Pressures		Job Log Remarks:		
Time	Rate:	Bbls in	Tbg psi			Csg psi
10:40	X	X	X	X	X	Arrived On Location
10:50	X	X	X	X	X	Rig Up Meeting
11:12	X	X	X	X	X	Test Water
11:15	X	X	X	X	X	Wait On Rig, Pulling Drill Pipe
11:18	X	X	X	X	X	Bulk Truck Driver Called Still In Odessa, Flat Tire
12:20	X	X	X	X	X	Bulk Truck Driver Called, Leaving Odessa
14:55	X	X	X	X	X	Casing On Bottom
14:58	X	X	X	X	X	Bulk truck Arrived
15:20	X	X	X	X	X	Safety Meeting
15:32	X	X	X	X	X	Stab cement Head
15:45	0.25	0.25	X	3000	X	Test lines
SERVICE REPRESENTATIVE:		Signature Please		CUSTOMER REPRESENTATIVE:		Signature Please
TONY NOWAK				X		

MAN WELDING SERVICES, INC

Company Nadel and Grossman Heco Date 6-10-10

Lease Ad state #4 County Eddy nm

Drilling Contractor Western 4 Plug & Drill Pipe Size 1 1/2" - 22 9/16 X 0

Accumulator Function Test - OO&GO#2

To Check - USABLE FLUID IN THE NITROGEN BOTTLES (III.A.2.c.i. or ii or iii)

- Make sure all rams and annular are open and if applicable HCR is closed.
- Ensure accumulator is pumped up to working pressure! **(Shut off all pumps)**
 1. Open HCR Valve. (If applicable)
 2. Close annular.
 3. Close **all** pipe rams.
 4. Open one set of the pipe rams to simulate closing the blind ram.
 5. For 3 ram stacks, open the annular to achieve the 50+ % safety factor. (5M and greater systems).
 6. **Record remaining pressure** 1300 **psi. Test Fails if pressure is lower than required.**
 - a. {950 psi for a 1500 psi system} b. {1200 psi for a 2000 & 3000 psi system }
 7. If annular is closed, open it at this time and close HCR.

To Check - PRECHARGE ON BOTTLES OR SPHERICAL (III.A.2.d.)

- Start with manifold pressure at, or above, maximum acceptable pre-charge pressure:
 - a. {800 psi for a 1500 psi system} b. {1100 psi for 2000 and 3000 psi system}
- 1. Open bleed line to the tank, slowly. **(gauge needle will drop at the lowest bottle pressure)**
 2. Close bleed line. Barely bump electric pump and see what pressure the needle jumps up to.
 3. **Record pressure drop** 1100 **psi. Test fails if pressure drops below minimum.**
- **Minimum:** a. {700 psi for a 1500 psi system} b. {900 psi for a 2000 & 3000 psi system}

To Check - THE CAPACITY OF THE ACCUMULATOR PUMPS (III.A.2.f.)

- Isolate the accumulator bottles or spherical from the pumps & manifold.
- Open the bleed off valve to the tank, {manifold psi should go to 0 psi} close bleed valve.
 1. Open the HCR valve, {if applicable}
 2. Close annular
 3. With **pumps** only, time how long it takes to regain the required manifold pressure.
 4. **Record elapsed time** 1:55 **. Test fails if it takes over 2 minutes.**
 - a. {950 psi for a 1500 psi system} b. {1200 psi for a 2000 & 3000 psi system}

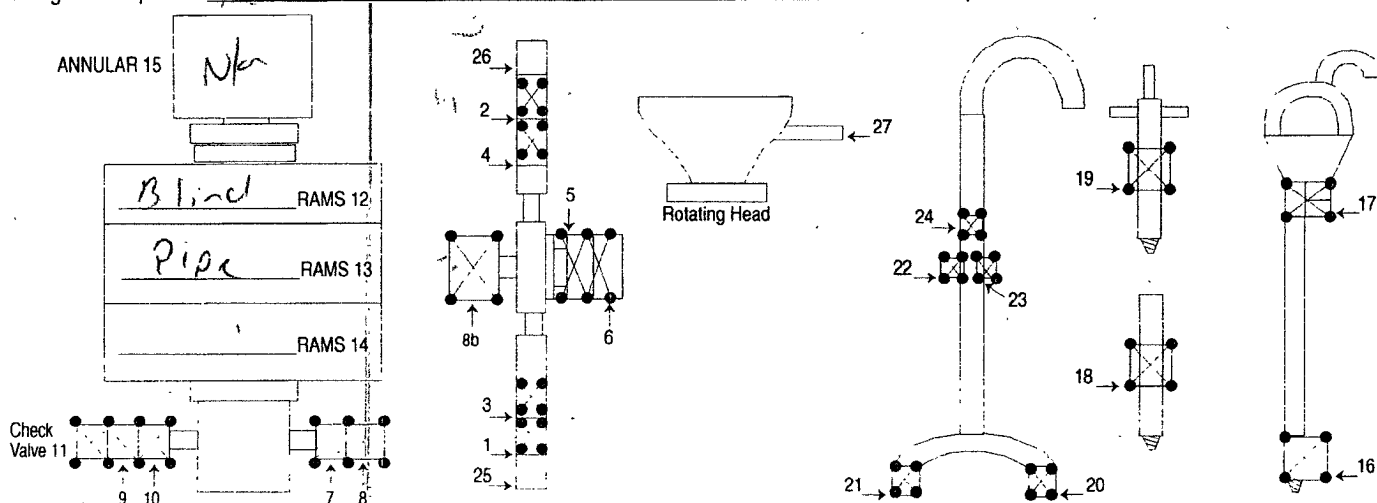
297
237
260



INVOICE

№Б011101

Company Nadel and Gussman H&CO. Date 6-16-10 Start Time 1:30 ☒ am ☐ pm
Lease ~~100~~ Aid state # 4 County Feldg State Wm
Company Man _____
Wellhead Vendor _____ Tester D. W. J.
Drig. Contractor Western U Rig # 4
Tool Pusher _____
Plug Type C-22 Plug Size 11" Drill Pipe Size 4 1/2 X 0
Casing Valve Opened Vc 5 Check Valve Open Vc 5

[illegible]

8 HR@ 10.25⁰⁰

HR@ 8500

Mileage 100⁰⁰ @ 1⁰⁰ = 100⁰⁰

MASTER PRINTERS 575.396 3661

SUB TOTAL	1185 ⁰⁰
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TAX	B/L C.S. 69
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TOTAL \$1748.69

DATE : 6/11/2010		WELL :		AID STATE #4						
Casing OD	9 5/8	Grade	J-55	Displacement bbl/ft	0.01268	Burst	3520	Torque	3940	
Casing ID	8.921	Weight	36	Capacity bbl/ft	0.07730	Collapse	2020	2440 - 3050		
Jt # or Item	Item or Jt. Lgth.	Total Length	Calc'd disp / jt	Calc'd tot disp	Actual tot disp	Calc Bbl to fill jt	Calc tot fill	Actual tot fill	Remarks Centrizers	Depth 300
1	0.90	0.90	0.0114	0.0114		0.06957	0.0696			299.10
2	38.24	39.14	0.4849	0.4963		2.955952	3.0255		CENT.	260.86
3	1.20	40.34	0.0152	0.5115		0.09276	3.1183			259.66
4	38.23	78.57	0.4848	0.9963		2.955179	6.0735		CENT	221.43
5	37.36	115.93	0.4737	1.4700		2.887928	8.9614		CENT.	184.07
6	37.38	153.31	0.4740	1.9440		2.889474	11.8509		CENT	146.69
7	38.24	191.55	0.4849	2.4289		2.955952	14.8068			108.45
8	37.67	229.22	0.4777	2.9065		2.911891	17.7187		CENT	70.78
9	37.31	266.53	0.4731	3.3796		2.884063	20.6028			33.47
10	37.90	304.43	0.4806	3.8602		2.92967	23.5324			-4.43
11	38.24	342.67	0.4849	4.3451		2.955952	26.4884	out		-42.67
12	37.61	380.28	0.4769	4.8220		2.907253	29.3956	Out		-80.28
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