

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM-106718
2. Name of Operator Nadel and Gussman HEYCO, LLC ✓		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 1936 ~ ROSWELL NM 88202-1936	3b. Phone No. (include area code) 575.623.6601	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 400' FNL & 510' FEL, Sec. 12, T18S, R31E, NE/4, NE/4 ✓		8. Well Name and No. Taylor Deep 12 Fed #6 ✓
		9. API Well No. 30-015-38143 ✓
		10. Field and Pool, or Exploratory Area Tamano; Bone Spring ✓
		11. County or Parish, State Eddy, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Casing and Cement
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	report (Surface and
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	Intermediate)

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and points. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-5 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BLM Bond No. NMB00520
Surety Bond No. B004230

12/2/10 - Spud Well

12/03/10 - TD 17 1/2" hole @ 955' run 23 Jts 13 3/8 54.5# I55 STC csg to 955'. Lead: 580 sks 65:35:6" "C" POZ 6% gel+6% gel+1% CACL2 +.25% R-38, 12.8 lb/sx, yeild 1.82 cu/ft.sx, 9.72 gal/sx. Tail: 200 sks "C" Class C+1% CACL2+.25% R-38 14.8 lb/sks, yeild 1.34 cu/ft sx, water 6.33 gal/sk. Tst csg to 1000 psi for 30 min's/ok.

No problems w/pipe or cmt job. Plug dn @ 7:30 pm 12/3/10, circ 34 bbls (105 sks) to pit. Ck flow (held). Called Carlsbad BLM (Richard Carrasco)Witness cmt job.

12/6/10 - 12 1/4" TD 12 1/4" hole @ 2255'. Fun 60 jts 9 5/8" 36# Jtt Ltc csg. Lead: 470 sks 65:35 "C" 6% bentonite+1% CACL2+.25%R-38 12.40 lb/sks, yeild: 2.00, water 11.60 gal/sk. Tail: 200 sks "C"+1% CACL2+.25% R-38 14.8 lb/sks, yeild 1.32, water 6.32 gal/sk. No problems w/ pipe or cmt job. Plug dn @ 11:15 am 12/6/10, circ 71 bbls (199 sks) called Carlsbad BLM (Richard Carrasco). No witness f/cmt job. Tst csg to 1000 psi for 30 min's/ok.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Tammy R. Link

Title Production Tech

Signature

Date

12/13/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

ACCEPTED FOR RECORD

JAN 14 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DDB

429

SUMMARY CASING AND CEMENTING REPORT

STRING: SURFACE DATE: 12/3/2010
OPERATOR: NADEL & GUSSMAN HEYCO WELL: TAYLOR DEEP 12 FED 6
CONTRACTOR: UNITED DRILLING RIG: #42
REP: KEITH CANNON

CASING DETAIL

HOLE SIZE:	17 1/2"	DEPTH:	955	
17 1/2" HOLE				955.00
FLOAT SHOE				1.50 1.50
				953.50
1 JTS 13 3/8" 54.5# J55 STC Csg				36.43 36.43
				917.07
5 1/2" FLOAT COLLAR				1.10 1.10
				915.97
22 JTS 13 3/8" 54.5# J55 STC Csg				922.27 922.27
				-6.30
KB TO GL				<u>15.00</u>

CENTRALIZERS PLACED @ 917.07, 879.76, 843.29, 806.74, 733.49

REMARKS:

TOTAL CASING DELIVERED.... 32 JTS 13 3/8" 54.5# J55 STC (1136.65)
ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
ELECT. WELD FLOAT SHOE, 1 SHOE JTS, FLOAT COLLAR,
TAGGED BOTTOM NO FILL. CIRCULATED CAPACITY & ANNULAR VOLUME
WOC F/ 8HRS, CUT OFF COND & MADE FINAL CUT. WELD ON 13 3/8" WELL HEAD.

EXCESS CASING

CASING NOT USED 6 JTS 13 3/8" 54.5# J55 STC [218.61'].
DISPOSITION 6 JTS 13 3/8" 54.5# J55 TRANSFERRED TO NGP YARD (ARTESIA)

CEMENTING DATA

COMPANY: RISING STAR

DISTRICT: HOBBS

1ST STAGE:

PREFLUSH: 20 bbls FW,

LEAD: 580 SKS 65/35/6 C+POZ 6%GEL,+6%GEL,+1%CACL2+.25%R-38, 12.8 lb/sx, yeild 1.82
cu/ft.sx, 9.72 gal/sx

TAIL: 200 SKS CLASS C +1%CACL2+.25%R-38. 14.80 lb/sx, yeild 1.34 cu/ft sx, 6.33 gal/sx

NOTE:

NO PROBLEMS W/ PIPE OR CMT JOB. PLUG DN 7:30PM 12/3/10. CIRC 34 BBL (105 SX)
CMT TO PIT. CK FLOW (HELD). CARLSBAD BLM REP.(RICHARD CARRASCO)
WITNESS CEMENT JOB.



Date: _____ Time: _____
 Truck Called: _____
 Arrived at job: 12-3-10 1241pm
 Start Job: 12-3-10 609pm
 Finish Job: 12-3-10 731pm
 Leave Location: _____

Job Log

RISING STAR SERVICES LP.		Customer Name: Nadel Gussman/Heyco		Ticket Number: 17910	
P.O. BOX 61193		Lease Name: Taylor Deep 12 Fed.			
MIDLAND, TEXAS 79711		Well #: 6		Supervisor: JOHN A. GARZA	
OFFICE # 432-617-0114		Type of Job: 13 3/8 Surface		County: Eddy	
FAX #432-339-0140		Date: 12/3/2010		CUSTOMER REPRESENTATIVE: Keith Cannon	
Tubing Size:	N/A	Casing size:	13 3/8	Liner size:	N/A
Tubing weight:	N/A	Casing weight:	54.5	Top of Liner:	N/A
Tubing bbl/inf	N/A	Total Depth:	955	Bottom of Liner:	N/A
Retainer depth:	N/A	Total Pipe:	961	Annular Volume:	N/A
Packer depth:	N/A	Open Hole:	17.5	BHST:	N/A
Perfs:	N/A	Shoe Joint:	39.03	BHCT:	N/A
Holes in casing:	N/A	Displacement:	142.5 bbls	Maximum:	2000 Psi
		Pre-Flush:	10 bbls		

Sks.		Cement Additives							
Lead Cement:	580	65/35/6" C" + Poz+6% Gel+1% CACL2+.25% R-38							
Cmt. Wt.	12.80	Yield	1.82	Gall/sk	9.72	Mixing Water:	134.23	:bbls	
						Total Ft. ³ :	1055.60	ft. ³	
Tail Cement:	200	Class C+1% CACL2+.25% R-38							
Cmt. Wt.	14.80	Yield	1.34	Gall/sk	6.33	Mixing Water:	30.14	:bbls	
						Total Ft. ³ :	268.00	ft. ³	
						Mixing Water:		:bbls	
						Total Ft. ³ :		ft. ³	
						Mixing Water:		:bbls	
						Total Ft. ³ :		ft. ³	
total sks:	780	sks.	Total Bbls. Cmt.:	235.73	:Bbls	Total Water for Job:			
total Ft. ³ :	1324	ft. ³	Total Mix Water:	164.37	:Bbls	350.00 :Bbls			

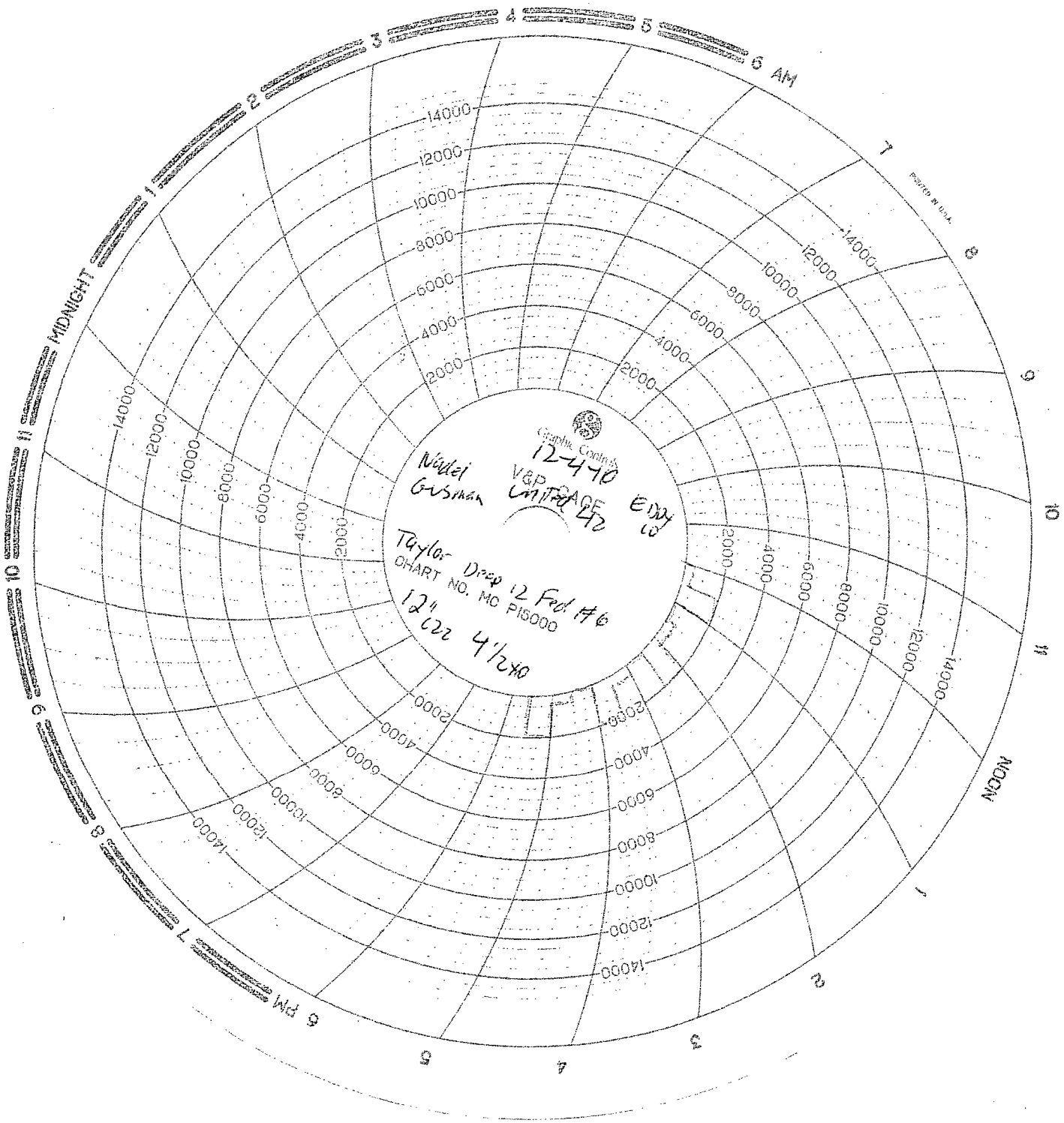
Acid Systems

Acid System:		Gallons	
Diverter:		Balls	Coarse Rock Salt
Injection Rate:		Job Pressures	
ne	Rate:	Bbls in	Tbg psi. Csg psi
241pm			
255pm			
00pm			
05pm			
32pm			
09pm	1	2	3000
10pm	3.7	10	100
13pm	5.2	194	180
15pm	5		180
33pm	6.4		270
42pm	7		290
RVIC REPRESENTATIVE: Signature Please		CUSTOMER REPRESENTATIVE: Signature Please	
HN A. GARZA		X	

Job Log Remarks:

Arrive on location
 Spot equipment
 Rig up
 Test H2O
 Safety meeting
 Pressure test lines
 Fw spacer
 Lead slurry @ 12.8ppg 580 sxs.
 Weighed lead cmt @ 12.8ppg
 Weighed lead cmt @ 12.8ppg
 Weighed lead cmt @ 12.7ppg

DATE : 12/3/2010		WELL :		TAYLOR DEEP 12 FED #6						
Casing OD	13 3/8	Grade	J-55	Displacement bbl/ft	0.01164	Burst	2730	Torque		
Casing ID	12.615	Weight	54.4#	Capacity bbl/ft	0.15459	Collapse	1130	5140-6430		
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	Depth
									Centrilizers	955
1	1.50	1.50	0.0175	0.0175		0.231885	0.2319		Float Shoe	953.50
2	36.43	37.93	0.4240	0.4415		5.631714	5.8636		1x Cent	917.07
3	1.10	39.03	0.0128	0.4543		0.170049	6.0336		Float Collar	915.97
4	36.21	75.24	0.4215	0.8758		5.597704	11.6314		Centrilizers	879.76
5	36.47	111.71	0.4245	1.3003		5.637897	17.2692		Centrilizers	843.29
6	36.55	148.26	0.4254	1.7257		5.650265	22.9195		Centrilizers	806.74
7	36.50	184.76	0.4249	2.1506		5.642535	28.5620			770.24
8	36.75	221.51	0.4278	2.5784		5.681183	34.2432		Centrilizers	733.49
9	36.63	258.14	0.4264	3.0047		5.662632	39.9059			696.86
10	36.53	294.67	0.4252	3.4300		5.647173	45.5530			660.33
11	36.55	331.22	0.4254	3.8554		5.650265	51.2033			623.78
12	36.60	367.82	0.4260	4.2814		5.657994	56.8613			587.18
13	36.59	404.41	0.4259	4.7073		5.656448	62.5177			550.59
14	36.45	440.86	0.4243	5.1316		5.634806	68.1525			514.14
15	36.52	477.38	0.4251	5.5567		5.645627	73.7982			477.62
16	36.50	513.88	0.4249	5.9816		5.642535	79.4407			441.12
17	36.39	550.27	0.4236	6.4051		5.62553	85.0662			404.73
18	36.42	586.69	0.4239	6.8291		5.630168	90.6964			368.31
19	41.89	628.58	0.4876	7.3167		6.475775	97.1722			326.42
20	36.50	665.08	0.4249	7.7415		5.642535	102.8147			289.92
21	36.55	701.63	0.4254	8.1670		5.650265	108.4650			253.37
22	36.19	737.82	0.4213	8.5882		5.594612	114.0596			217.18
23	36.50	774.32	0.4249	9.0131		5.642535	119.7021			180.68
24	35.87	810.19	0.4175	9.4306		5.545143	125.2473			144.81
25	36.52	846.71	0.4251	9.8557		5.645627	130.8929			108.29
26	36.19	882.90	0.4213	10.2770		5.594612	136.4875			72.10
27	41.87	924.77	0.4874	10.7643		6.472683	142.9602			30.23
28	36.53	961.30	0.4252	11.1895		5.647173	148.6074			-6.30
29	36.56	997.86	0.4256	11.6151		5.65181	154.2592		OUT	-42.86
30	36.30	1034.16	0.4225	12.0376		5.611617	159.8708		OUT	-79.16
31	36.52	1070.68	0.4251	12.4627		5.645627	165.5164		OUT	-115.68
32	36.50	1107.18	0.4249	12.8876		5.642535	171.1590		OUT	-152.18
33	36.32	1143.50	0.4228	13.3103		5.614709	176.7737		OUT	-188.50
34	36.41	1179.91	0.4238	13.7342		5.628622	182.4023		OUT	-224.91
35	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
36	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
37	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
38	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
39	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
40	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
41	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
42	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
43	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
44	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
45	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91
46	0.00	1179.91	0.0000	13.7342		0	182.4023			-224.91



SUMMARY CASING AND CEMENTING REPORT

STRING: INTERMEDIATE

DATE: 12/6/2010

OPERATOR: NADEL & GUSSMAN HEYCO
CONTRACTOR: UNITED DRLG

WELL: TAYLOR DEEP 12 FED #6
RIG: #42
REP: KEITH CANNON

CASING DETAIL

HOLE SIZE:	12 1/4"	DEPTH:	2255
12 1/4" HOLE			2255.00
FLOAT SHOE			1.40
			2253.60
1 JTS 9 5/8" 36# J55 LTC Csg			38.12
			2215.48
9 5/8" FLOAT INSERT			1.20
			2214.28
59 JTS 9 5/8" 36# J55 LTC Csg			2219.45
			-5.17
KB TO GL			15.00

CENTRALIZERS PLACED @ 2215.48, 2176.17, 2138.03, 2100.54, 2024.39

REMARKS:

TOTAL CASING DELIVERED.... 62 JTS 9 5/8" 36# J55 LTC (2364.70')
ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, 1 SHOE JTS, FLOAT INSERT, WERE ELECT WELD.
TAGGED BOTTOM NO FILL. CIRCULATED CAPACITY & ANNULAR VOLUME
WOC F/ 4HRS,

EXCESS CASING

CASING NOT USED 2 JTS 9 5/8" 36# J55 STC [74.79'].
DISPOSITION 2 JTS 36# J55 TRANSFERRED TO NGP YARD (ARTESIA)

CEMENTING DATA

COMPANY: RISING STAR

DISTRICT: HOBBS

1ST STAGE:

PREFLUSH: 10 bbls FW SPACER

LEAD: 470 SKS 65:35 'C' 6%BENTONITE+1%CACL2+.25%R-38 12.40 LB/SKS, YEILD 2.00,
WATER 11.60 GAL/SK

SUMMARY CASING AND CEMENTING REPORT

TAIL: 200 SKS "C"+1%CACL₂+0.25%R-38 14.8 LB/SKS, YEILD 1.32, WATER 6.32 GAL/SK

NOTE: NO PROBLEMS W/ PIPE OR CMT JOB. PLUG DOWN @ 11:15AM 12/6/10, CIRC 71BBLS
(199SKS) CALLED CARLSBAD BLM (RICHARD CARRASCO). NO WITNESS F/ CMT
JOB

RISEING

Oilfield Cementing

**STAR**Services
& Acidizing

Date:	12/06/10	Time:	0100
Truck Called:	12/06/10	Arrived at job:	0400
Start Job:	12/06/10	Finish Job:	0940
Leave Location:	12/06/10		1115
			1215

Job Log

Customer Name: Nadel & Gussman / Heyco		Ticket Number: 39429	
Lease Name: Taylor Deep 12 Fed		Supervisor: Robert G Wilcox	
Well #: 6		County: Eddy	
Type of Job: Intermediate Csg		CUSTOMER REPRESENTATIVE: J J McGlasson	
Date: 12/6/2010			
Tube Size:	Casing size: 9 5/8"	Liner size:	
Tube weight:	Casing weight: 36#	Top of Liner:	
Tube bbl/ft	Total Depth: 2255'	Bottom of Liner:	
Retainer depth:	Total Pipe: 2260'	Annular Volume:	
Packer depth:	Open Hole:	BHST:	
Perfs:	Shoe Joint: 47.2'	BHCT:	
Holes in casing:	Displacement: 171 bbls	Maximum:	Psi
	Pre-Flush: 10 bbls		

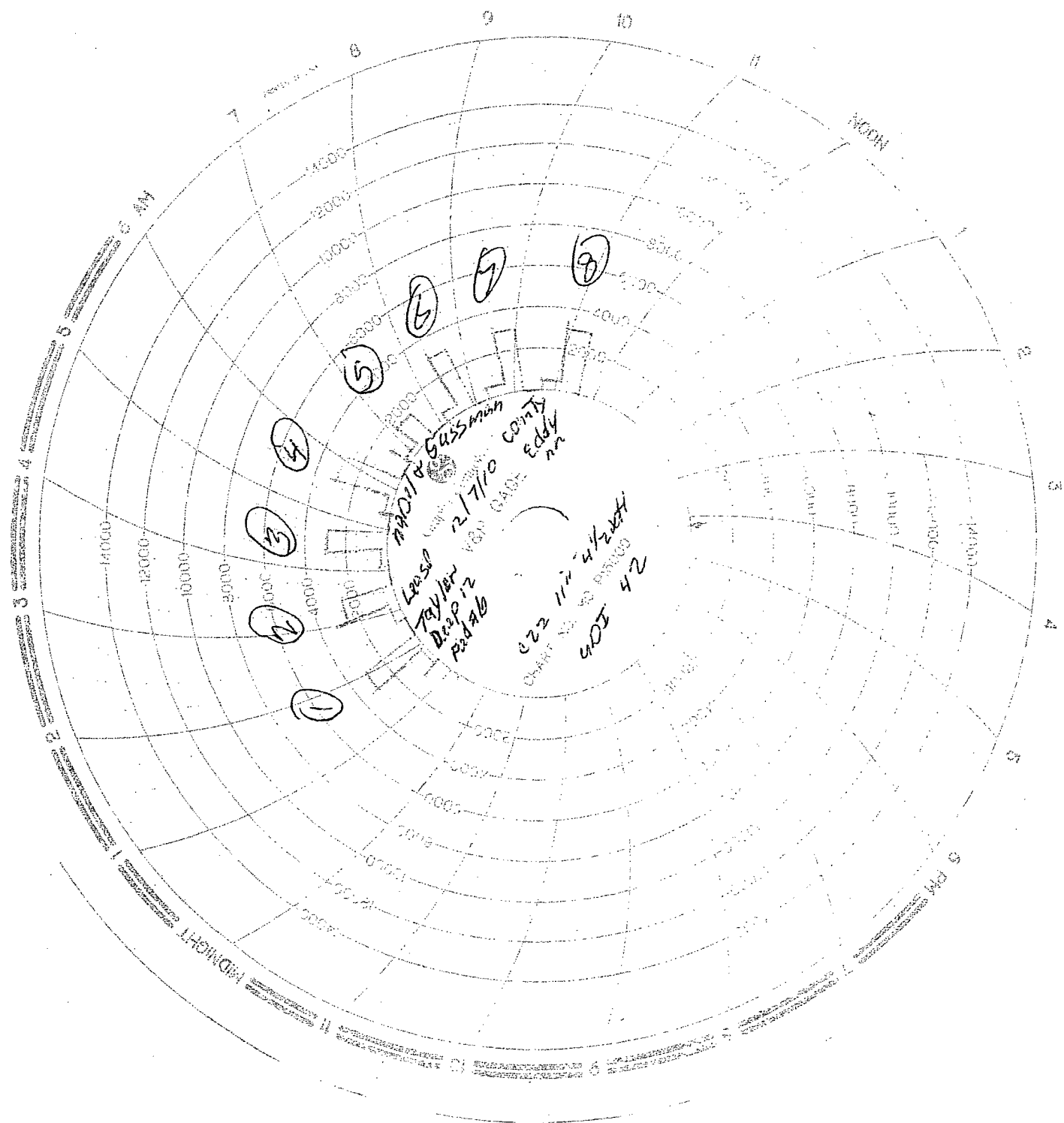
Sks.**Cement Additives**

Lead Cement:	470 sks	"C" 35/65+6%Bentonite+1%CACL2+0.25%R-38					
Cmt. Wt.	12.40	Yield	2.00	Gal/sk	11.06	Mixing Water:	124.00 :bbls
						Total Ft. ³ :	940.00 ft. ³
Middle Cement:	200 sks	"C" + 1%CACL2+0.25%R-38					
Cmt. Wt.	14.80	Yield	1.32	Gal/sk	6.32	Mixing Water:	30.00 :bbls
						Total Ft. ³ :	264.00 ft. ³
Tail Cement:							
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:	670 sks.	Total Bbls. Cmt.:	214.00 :Bbls	Total Water for Job:
Total Ft. ³ :	1204 ft. ³	Total Mix Water:	154.00 :Bbls	400.00 :Bbls

Acid Systems

Acid System:		Gallons	
Diverter:		Balls	Coarse Rock Salt
Injection Rate:		Job Pressures	
Time	Rate:	Bbls in	Tbg psi. Csg psi
0100			
0400			
0941	2	2	
0943			
0945	4	10	
0948	5.4	167	100
1000	5.4		100
1006	5.4		100
1024	5.4	47	150
1027	5.4		150
1036			
Job Log Remarks:			
CALL OUT FOR JOB			
Arrive @ Loc / Spot Trucks / Test Water			
Pump FW / Load Lines			
Press Test Lines to 900psi			
Pump FW Ahead			
Mix & Pump Lead Slurry @ 12.4ppg			
Check Cmt Weight W/ Scales			
Done With Front Bottle On CB2007			
Mix & Pump Tail Slurry @ 14.8ppg			
Check Slurry Weight W/ Scales			
End Slurry / Shut Dn			
SERVICE REPRESENTATIVE: Signature Please		CUSTOMER REPRESENTATIVE: Signature Please	
Robert G Wilcox		X	



① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

Gussman
12/7/10
Taylor
Deep 12
Pisabab

422 11 4 1/2
42

DATE : 12/6/2010		WELL :		TAYLOR DEEP 12 FED #6						
Casing OD	9 5/8	Grade J-55 / LTC		Displacement bbl/ft		0.01268	Burst 3520		Torque	
Casing ID	8.921	Weight 36#		Capacity bbl/ft		0.07730	Collapse 2020		2955-4925	
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 2255
1	1.40	1.40	0.0178	0.0178		0.10822	0.1082		F/S	2253.60
2	38.12	39.52	0.4834	0.5011		2.946676	3.0549		Centrilizers	2215.48
3	1.20	40.72	0.0152	0.5163		0.09276	3.1477		F/C	2214.28
4	38.11	78.83	0.4832	0.9996		2.945903	6.0936		Centrilizers	2176.17
5	38.14	116.97	0.4836	1.4832		2.948222	9.0418		Centrilizers	2138.03
6	37.49	154.46	0.4754	1.9586		2.897977	11.9398		Centrilizers	2100.54
7	38.84	193.30	0.4925	2.4510		3.002332	14.9421			2061.70
8	37.31	230.61	0.4731	2.9241		2.884063	17.8262		Centrilizers	2024.39
9	36.70	267.31	0.4654	3.3895		2.83691	20.6631			1987.69
10	37.46	304.77	0.4750	3.8645		2.895658	23.5587			1950.23
11	37.04	341.81	0.4697	4.3342		2.863192	26.4219			1913.19
12	37.43	379.24	0.4746	4.8088		2.893339	29.3153			1875.76
13	38.43	417.67	0.4873	5.2961		2.970639	32.2859			1837.33
14	37.55	455.22	0.4761	5.7722		2.902615	35.1885			1799.78
15	36.40	491.62	0.4616	6.2337		2.81372	38.0022			1763.38
16	37.97	529.59	0.4815	6.7152		2.935081	40.9373			1725.41
17	37.50	567.09	0.4755	7.1907		2.89875	43.8361			1687.91
18	38.13	605.22	0.4835	7.6742		2.947449	46.7835			1649.78
19	37.25	642.47	0.4723	8.1465		2.879425	49.6629			1612.53
20	37.61	680.08	0.4769	8.6234		2.907253	52.5702			1574.92
21	38.12	718.20	0.4834	9.1068		2.946676	55.5169			1536.80
22	37.98	756.18	0.4816	9.5884		2.935854	58.4527			1498.82
23	37.25	793.43	0.4723	10.0607		2.879425	61.3321			1461.57
24	37.50	830.93	0.4755	10.5362		2.89875	64.2309			1424.07
25	37.70	868.63	0.4780	11.0142		2.91421	67.1451			1386.37
26	38.15	906.78	0.4837	11.4980		2.948995	70.0941			1348.22
27	37.75	944.53	0.4787	11.9766		2.918075	73.0122			1310.47
28	37.62	982.15	0.4770	12.4537		2.908026	75.9202			1272.85
29	38.16	1020.31	0.4839	12.9375		2.949768	78.8700			1234.69
30	36.37	1056.68	0.4612	13.3987		2.811401	81.6814			1198.32
31	37.98	1094.66	0.4816	13.8803		2.935854	84.6172			1160.34
32	37.45	1132.11	0.4749	14.3552		2.894885	87.5121			1122.89
33	37.24	1169.35	0.4722	14.8274		2.878652	90.3908			1085.65
34	37.21	1206.56	0.4718	15.2992		2.876333	93.2671			1048.44
35	37.46	1244.02	0.4750	15.7742		2.895658	96.1627			1010.98
36	37.38	1281.40	0.4740	16.2482		2.889474	99.0522			973.60
37	38.13	1319.53	0.4835	16.7316		2.947449	101.9997			935.47
38	37.70	1357.23	0.4780	17.2097		2.91421	104.9139			897.77
39	37.50	1394.73	0.4755	17.6852		2.89875	107.8126			860.27
40	37.84	1432.57	0.4798	18.1650		2.925032	110.7377			822.43
41	37.53	1470.10	0.4759	18.6409		2.901069	113.6387			784.90
42	39.06	1509.16	0.4953	19.1361		3.019338	116.6581			745.84
43	37.50	1546.66	0.4755	19.6116		2.89875	119.5568			708.34
44	37.53	1584.19	0.4759	20.0875		2.901069	122.4579			670.81
45	37.64	1621.83	0.4773	20.5648		2.909572	125.3675			633.17
46	37.93	1659.76	0.4810	21.0458		2.931989	128.2994			595.24

47	37.28	1697.04	0.4727	21.5185		2.881744	131.1812			557.96
48	37.90	1734.94	0.4806	21.9990		2.92967	134.1109			520.06
49	37.04	1771.98	0.4697	22.4687		2.863192	136.9741			483.02
50	38.06	1810.04	0.4826	22.9513		2.942038	139.9161			444.96
51	38.14	1848.18	0.4836	23.4349		2.948222	142.8643			406.82
52	37.80	1885.98	0.4793	23.9142		2.92194	145.7863			369.02
53	37.70	1923.68	0.4780	24.3923		2.91421	148.7005			331.32
54	38.14	1961.82	0.4836	24.8759		2.948222	151.6487			293.18
55	37.62	1999.44	0.4770	25.3529		2.908026	154.5567			255.56
56	37.20	2036.64	0.4717	25.8246		2.87556	157.4323			218.36
57	38.13	2074.77	0.4835	26.3081		2.947449	160.3797			180.23
58	37.12	2111.89	0.4707	26.7788		2.869376	163.2491			143.11
59	36.41	2148.30	0.4617	27.2404		2.814493	166.0636			106.70
60	37.47	2185.77	0.4751	27.7156		2.896431	168.9600			69.23
61	37.20	2222.97	0.4717	28.1873		2.87556	171.8356			32.03
62	37.20	2260.17	0.4717	28.6590		2.87556	174.7111			-5.17
63	36.68	2296.85	0.4651	29.1241		2.835364	177.5465		OUT	-41.85
64	37.82	2334.67	0.4796	29.6036		2.923486	180.4700		OUT	-79.67
65	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
66	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
67	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
68	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
69	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
70	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
71	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
72	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
73	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
74	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
75	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
76	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
77	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
78	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
79	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
80	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
81	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
82	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
83	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
84	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
85	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
86	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
87	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
88	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
89	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
90	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
91	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
92	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
93	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
94	0.00	2334.67	0.0000	29.6036		0	180.4700			-79.67
95		2334.67	0.0000	29.6036		0	180.4700			-79.67
96		2334.67	0.0000	29.6036		0	180.4700			-79.67
97		2334.67	0.0000	29.6036		0	180.4700			-79.67
98		2334.67	0.0000	29.6036		0	180.4700			-79.67
99		2334.67	0.0000	29.6036		0	180.4700			-79.67