

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
June 19, 2008

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

WELL API NO. 30-015-37067
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Aid State
8. Well Number #3
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-101) 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 O : 330 feet from the South line and 1650 feet from the East line

Section 13

Township 17S

Range 28E

NMPM EDDY

County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3693' GR

RECEIVED

JAN 26 2010

NMOCD ARTESIA

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/Oil String Csg and Cmt
Reports ☒

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.

1/12/10 Spud Well @ 8:00 am

1/13/10 - Surface, Hole Size 12 1/4", Run 8 Jts. 9 5/8" 36# J-55. Depth 300', Lead: 200 sks Class "C" +2% CACL+ 1/4# Celloflake=.25% R-38.

1/20/10 - Oil String, Hole Size 7 7/8", Run 119 Jts 5 1/2" 17# J-55. Depth 5,294'. Centralizers @ Joints 4,6,8,10,12,14,16,18,20,22,24, 26,28,30,32,34,36. Lead: 750 sks. 50/50/10 C+10%Gel+2/10%C=12+5% Salt+0255R-38. Tail: 345 sks, Starbound "C" +5/10%FL10+.25% C-12+2/10%C-15+3#Gilsonite+3% Salt+.25% R-38. Pumped Displacement and bumped plug float held did not over displace. 55 skx circulated to surface.

See attachments and Borehole Volume Plot Log, Extended Range Micro-Image Log, Dual Laterolog Micro-Guard Log, Spectral Gamma Ray Dual Spaced Neutron Spectral Density Log, Borehole Sonic Array Tool Log.

Spud Date:

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 1/25/10 DATE 1/25/10

Type or print name: Tammy R. Link E-mail address: tlink@heycoenergy.com PHONE: 575-317-1803
For State Use Only

APPROVED BY: Jacques R TITLE Geologist DATE 1/27/2010
Conditions of Approval (if any):

SUMMARY CASING AND CEMENTING REPORT

STRING: SURFACE

DATE: 1/13/2010

OPERATOR: NADEL & GUSSMAN
CONTRACTOR: PATRIOT

WELL: AID ST. #3
RIG: 1
REP: Russell Berryman

CASING DETAIL

HOLE SIZE: 12 1/4 DEPTH: 300

9 5/8" 304.480

9 5/8" SHOE 1.050

1 JOINT 9 5/8" 36# J-55 CASING 37.460

9 5/8" FLOAT COLLAR 1.250

7 JOINTS 9 5/8" 36# J-55 CASING 264.720

37.230 out

38.230 out

37.940 out

Joints Left Out 9,10,11

REMARKS:

Total Casing Delivered 11

ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, FLOAT COLLAR WERE THREAD LOCKED AND COLLARS WELDED

CENTRALIZERS @ JOINTS 1,2,3,4,6

CEMENTING DATA

COMPANY: RISING STAR

DISTRICT: Hobbs

1ST STAGE

Spacer 5BBLs FRESH

LEAD: 200 SACKS CLASS "C" +2% CACL+1/4# CELLOFLAKE=.25%R-38

TAIL:

DISPLACEMENT: 20.5 BBLs FRESH

SUMMARY CASING AND CEMENTING REPORT

NOTES: PUMPED DISPLACEMENT AND BUMPED PLUG FLOAT HELD DID NOT OVER
DISPLACE

DATE : 1/12/2010		WELL :		AID ST. #3						
Casing OD	9 5/8"	Grade	J-55	Displacement bbl/ft	0.01310	Burst	3520	Torque	3940	
Casing ID	8.921	Weight	36#	Capacity bbl/ft	0.07730	Collapse	2020			
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	300
1	1.05	1.05	0.0138	0.0138		0.081165	0.0812		SHOE	298.95
2	37.46	38.51	0.4907	0.5045		2.895658	2.9768		Centrilizers	261.49
3	1.25	39.76	0.0164	0.5209		0.096625	3.0734		FLOAT	260.24
4	37.31	77.07	0.4888	1.0096		2.884063	5.9575		Centrilizers	222.93
5	37.26	114.33	0.4881	1.4977		2.880198	8.8377		Centrilizers	185.67
6	37.50	151.83	0.4913	1.9890		2.89875	11.7365		Centrilizers	148.17
7	38.13	189.96	0.4995	2.4885		2.947449	14.6839			110.04
8	38.16	228.12	0.4999	2.9884		2.949768	17.6337		Centrilizers	71.88
9	38.56	266.68	0.5051	3.4935		2.980688	20.6144			33.32
10	37.80	304.48	0.4952	3.9887		2.92194	23.5363			-4.48
11		304.48	0.0000	3.9887		0	23.5363			-4.48
12		304.48	0.0000	3.9887		0	23.5363			-4.48
13		304.48	0.0000	3.9887		0	23.5363			-4.48
14		304.48	0.0000	3.9887		0	23.5363			-4.48
15		304.48	0.0000	3.9887		0	23.5363			-4.48
16		304.48	0.0000	3.9887		0	23.5363			-4.48
17		304.48	0.0000	3.9887		0	23.5363			-4.48
18		304.48	0.0000	3.9887		0	23.5363			-4.48
19		304.48	0.0000	3.9887		0	23.5363			-4.48
20		304.48	0.0000	3.9887		0	23.5363			-4.48
21	37.32	341.80	0.4889	4.4776		2.884836	26.4211		out	-41.80
22	38.23	380.03	0.5008	4.9784		2.955179	29.3763		out	-80.03
23	37.94	417.97	0.4970	5.4754		2.932762	32.3091		out	-117.97
24		417.97	0.0000	5.4754		0	32.3091			-117.97
25		417.97	0.0000	5.4754		0	32.3091			-117.97
26		417.97	0.0000	5.4754		0	32.3091			-117.97
27		417.97	0.0000	5.4754		0	32.3091			-117.97
28		417.97	0.0000	5.4754		0	32.3091			-117.97
29		417.97	0.0000	5.4754		0	32.3091			-117.97
30		417.97	0.0000	5.4754		0	32.3091			-117.97
31		417.97	0.0000	5.4754		0	32.3091			-117.97
32		417.97	0.0000	5.4754		0	32.3091			-117.97
33		417.97	0.0000	5.4754		0	32.3091			-117.97
34		417.97	0.0000	5.4754		0	32.3091			-117.97
35		417.97	0.0000	5.4754		0	32.3091			-117.97
36		417.97	0.0000	5.4754		0	32.3091			-117.97
37		417.97	0.0000	5.4754		0	32.3091			-117.97
38		417.97	0.0000	5.4754		0	32.3091			-117.97
39		417.97	0.0000	5.4754		0	32.3091			-117.97
40		417.97	0.0000	5.4754		0	32.3091			-117.97
41		417.97	0.0000	5.4754		0	32.3091			-117.97
42		417.97	0.0000	5.4754		0	32.3091			-117.97
43		417.97	0.0000	5.4754		0	32.3091			-117.97
44		417.97	0.0000	5.4754		0	32.3091			-117.97
45		417.97	0.0000	5.4754		0	32.3091			-117.97
46		417.97	0.0000	5.4754		0	32.3091			-117.97

SUMMARY CASING AND CEMENTING REPORT

STRING: OIL STRING

DATE: 1/20/2010

OPERATOR: NADEL & GUSSMAN
CONTRACTOR: PATRIOT

WELL: AID ST. #3
RIG: 1
REP: Russell Berryman

CASING DETAIL

HOLE SIZE: 77/8"

DEPTH: 5,294

51/2"	5294.00
51/2" SHOE	<u>2.06</u>
	5291.94
2 JOINTS 51/2" 17# J-55 CASING	<u>89.68</u>
	5202.26
51/2" FLOAT COLLAR	<u>1.68</u>
	5200.58
117 JOINTS 51/2' 17# J-55 CASING	<u>5201.96</u>
	-1.38

Joints Left Out 120,121,122,123. Will be sent to Toolpushers for credit.

REMARKS:

Total Casing Delivered 121

ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, FLOAT COLLAR WERE THREAD LOCKED

CENTRALIZERS @ JOINTS 4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36

CEMENTING DATA

COMPANY: RISING STAR

DISTRICT: Hobbs

1ST STAGE

Spacer 10 bbls. Fresh

LEAD: 750 Sks. 50/50/10 C+10%Gel+2/10%C=12+5%Salt+0255R-38

TAIL: 345Sks.Starbond"C"+5/10%FL10+.25%C-12+2/10%C-15+3#Gilsonite+3%Salt+.25%R-38

DISPLACEMENT: 114 bbls. Fresh Water

NOTES: PUMPED DISPLACEMENT AND BUMPED PLUG FLOAT HELD DID NOT OVER
DISPLACE. 55sx circulated to surface.

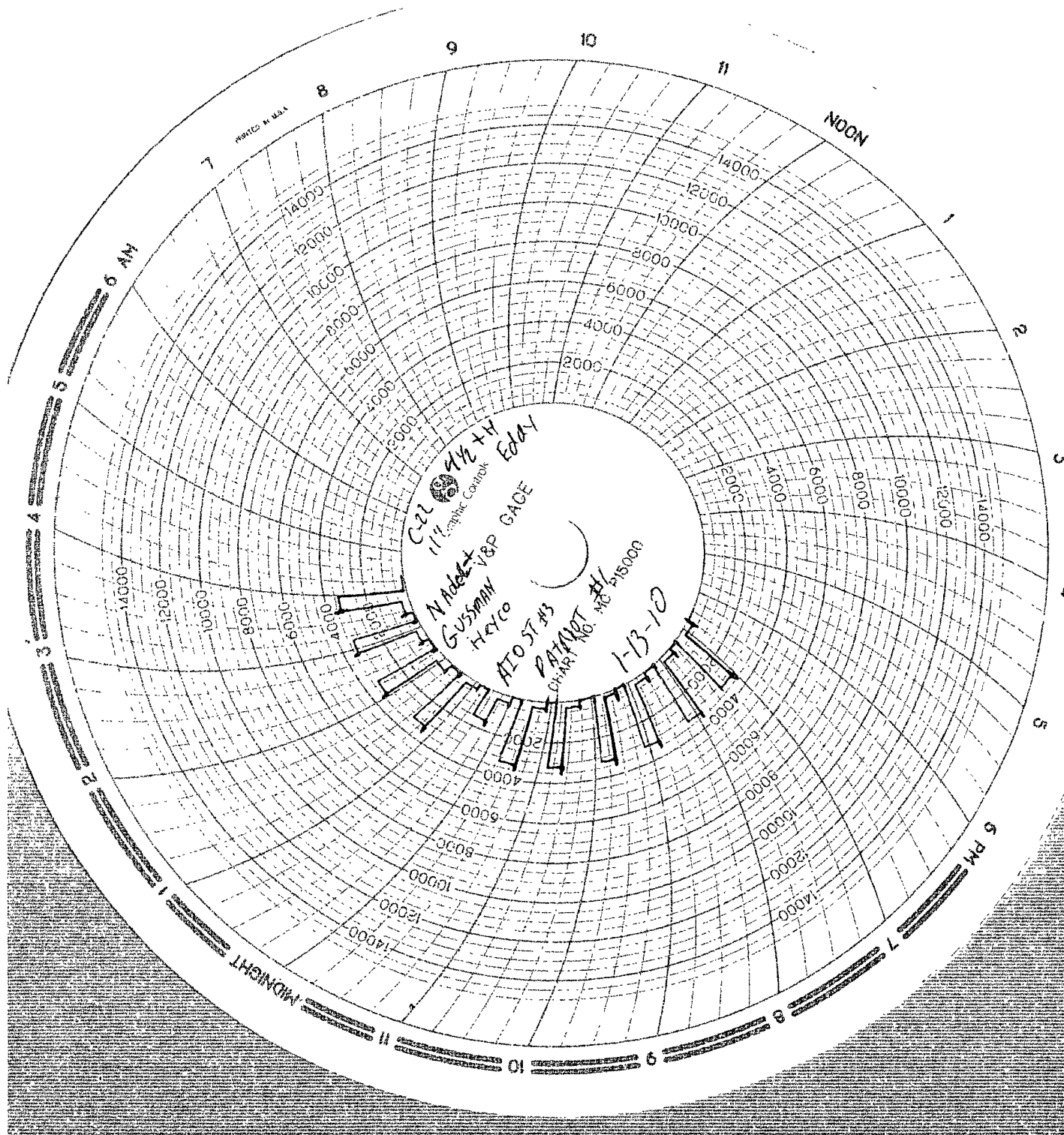
	Date:	Time:
Truck Called:	11/20/10	200pm
Arrived at job:	1/20/10	800pm
Start Job:	1/21/10	1221am
Finish Job:	1/21/10	241am
Leave Location:	1/21/10	

x

DATE :		WELL :		AID ST. #3						
Casing OD	51/2"	Grade	J-55	Displacement bbl/ft	0.00620	Burst	4729	Torque	3085	
Casing ID	4.892"	Weight	17PPF	Capacity bbl/ft	0.02330	Collapse	4364			
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 Centrilizers	Depth 5300
1	2.06	2.06	0.0128	0.0128		0.047998	0.0480		SHOE	5297.94
2	46.84	48.90	0.2904	0.3032		1.091372	1.1394		2cent	5251.10
3	42.84	91.74	0.2656	0.5688		0.998172	2.1375		2cent	5208.26
4	1.68	93.42	0.0104	0.5792		0.039144	2.1767		Float	5206.58
5	44.58	138.00	0.2764	0.8556		1.038714	3.2154			5162.00
6	44.57	182.57	0.2763	1.1319		1.038481	4.2539		Centrilizers	5117.43
7	44.49	227.06	0.2758	1.4078		1.036617	5.2905			5072.94
8	44.58	271.64	0.2764	1.6842		1.038714	6.3292		Centrilizers	5028.36
9	44.58	316.22	0.2764	1.9606		1.038714	7.3679			4983.78
10	44.58	360.80	0.2764	2.2370		1.038714	8.4066		Centrilizers	4939.20
11	44.57	405.37	0.2763	2.5133		1.038481	9.4451			4894.63
12	46.53	451.90	0.2885	2.8018		1.084149	10.5293		Centrilizers	4848.10
13	46.75	498.65	0.2899	3.0916		1.089275	11.6185			4801.35
14	46.64	545.29	0.2892	3.3808		1.086712	12.7053		Centrilizers	4754.71
15	46.62	591.91	0.2890	3.6698		1.086246	13.7915			4708.09
16	46.84	638.75	0.2904	3.9603		1.091372	14.8829		Centrilizers	4661.25
17	46.34	685.09	0.2873	4.2476		1.079722	15.9626			4614.91
18	46.67	731.76	0.2894	4.5369		1.087411	17.0500		Centrilizers	4568.24
19	46.52	778.28	0.2884	4.8253		1.083916	18.1339			4521.72
20	46.03	824.31	0.2854	5.1107		1.072499	19.2064		Centrilizers	4475.69
21	46.71	871.02	0.2896	5.4003		1.088343	20.2948			4428.98
22	45.28	916.30	0.2807	5.6811		1.055024	21.3498		Centrilizers	4383.70
23	45.89	962.19	0.2845	5.9656		1.069237	22.4190			4337.81
24	46.45	1008.64	0.2880	6.2536		1.082285	23.5013		Centrilizers	4291.36
25	45.93	1054.57	0.2848	6.5383		1.070169	24.5715			4245.43
26	46.64	1101.21	0.2892	6.8275		1.086712	25.6582		Centrilizers	4198.79
27	46.88	1148.09	0.2907	7.1182		1.092304	26.7505			4151.91
28	46.74	1194.83	0.2898	7.4079		1.089042	27.8395		Centrilizers	4105.17
29	46.89	1241.72	0.2907	7.6987		1.092537	28.9321			4058.28
30	46.78	1288.50	0.2900	7.9887		1.089974	30.0221		Centrilizers	4011.50
31	46.62	1335.12	0.2890	8.2777		1.086246	31.1083			3964.88
32	46.75	1381.87	0.2899	8.5676		1.089275	32.1976		Centrilizers	3918.13
33	46.66	1428.53	0.2893	8.8569		1.087178	33.2847			3871.47
34	46.76	1475.29	0.2899	9.1468		1.089508	34.3743		Centrilizers	3824.71
35	44.57	1519.86	0.2763	9.4231		1.038481	35.4127			3780.14
36	44.60	1564.46	0.2765	9.6997		1.03918	36.4519		Centrilizers	3735.54
37	46.24	1610.70	0.2867	9.9863		1.077392	37.5293			3689.30
38	46.70	1657.40	0.2895	10.2759		1.08811	38.6174		Centrilizers	3642.60
39	42.57	1699.97	0.2639	10.5398		0.991881	39.6093			3600.03
40	43.34	1743.31	0.2687	10.8085		1.009822	40.6191			3556.69
41	46.88	1790.19	0.2907	11.0992		1.092304	41.7114			3509.81
42	46.58	1836.77	0.2888	11.3880		1.085314	42.7967			3463.23
43	46.91	1883.68	0.2908	11.6788		1.093003	43.8897			3416.32
44	46.77	1930.45	0.2900	11.9688		1.089741	44.9795			3369.55
45	46.22	1976.67	0.2866	12.2554		1.076926	46.0564			3323.33
46	47.09	2023.76	0.2920	12.5473		1.097197	47.1536			3276.24

47	46.38	2070.14	0.2876	12.8349		1.080654	48.2343			3229.86
48	38.78	2108.92	0.2404	13.0753		0.903574	49.1378			3191.08
49	46.44	2155.36	0.2879	13.3632		1.082052	50.2199			3144.64
50	46.95	2202.31	0.2911	13.6543		1.093935	51.3138			3097.69
51	47.26	2249.57	0.2930	13.9473		1.101158	52.4150			3050.43
52	44.74	2294.31	0.2774	14.2247		1.042442	53.4574			3005.69
53	44.58	2338.89	0.2764	14.5011		1.038714	54.4961			2961.11
54	47.17	2386.06	0.2925	14.7936		1.099061	55.5952			2913.94
55	43.12	2429.18	0.2673	15.0609		1.004696	56.5999			2870.82
56	46.87	2476.05	0.2906	15.3515		1.092071	57.6920			2823.95
57	45.43	2521.48	0.2817	15.6332		1.058519	58.7505			2778.52
58	46.43	2567.91	0.2879	15.9210		1.081819	59.8323			2732.09
59	44.73	2612.64	0.2773	16.1984		1.042209	60.8745			2687.36
60	46.26	2658.90	0.2868	16.4852		1.077858	61.9524			2641.10
61	46.64	2705.54	0.2892	16.7743		1.086712	63.0391			2594.46
62	44.58	2750.12	0.2764	17.0507		1.038714	64.0778			2549.88
63	46.43	2796.55	0.2879	17.3386		1.081819	65.1596			2503.45
64	44.58	2841.13	0.2764	17.6150		1.038714	66.1983			2458.87
65	35.73	2876.86	0.2215	17.8365		0.832509	67.0308			2423.14
66	44.59	2921.45	0.2765	18.1130		1.038947	68.0698			2378.55
67	44.58	2966.03	0.2764	18.3894		1.038714	69.1085			2333.97
68	44.58	3010.61	0.2764	18.6658		1.038714	70.1472			2289.39
69	44.57	3055.18	0.2763	18.9421		1.038481	71.1857			2244.82
70	44.59	3099.77	0.2765	19.2186		1.038947	72.2246			2200.23
71	44.59	3144.36	0.2765	19.4950		1.038947	73.2636			2155.64
72	44.58	3188.94	0.2764	19.7714		1.038714	74.3023			2111.06
73	44.32	3233.26	0.2748	20.0462		1.032656	75.3350			2066.74
74	46.13	3279.39	0.2860	20.3322		1.074829	76.4098			2020.61
75	44.59	3323.98	0.2765	20.6087		1.038947	77.4487			1976.02
76	44.60	3368.58	0.2765	20.8852		1.03918	78.4879			1931.42
77	44.58	3413.16	0.2764	21.1616		1.038714	79.5266			1886.84
78	44.59	3457.75	0.2765	21.4381		1.038947	80.5656			1842.25
79	44.59	3502.34	0.2765	21.7145		1.038947	81.6045			1797.66
80	44.16	3546.50	0.2738	21.9883		1.028928	82.6334			1753.50
81	44.18	3590.68	0.2739	22.2622		1.029394	83.6628			1709.32
82	44.59	3635.27	0.2765	22.5387		1.038947	84.7018			1664.73
83	44.58	3679.85	0.2764	22.8151		1.038714	85.7405			1620.15
84	44.59	3724.44	0.2765	23.0915		1.038947	86.7795			1575.56
85	44.59	3769.03	0.2765	23.3680		1.038947	87.8184			1530.97
86	44.58	3813.61	0.2764	23.6444		1.038714	88.8571			1486.39
87	44.60	3858.21	0.2765	23.9209		1.03918	89.8963			1441.79
88	44.59	3902.80	0.2765	24.1974		1.038947	90.9352			1397.20
89	44.59	3947.39	0.2765	24.4738		1.038947	91.9742			1352.61
90	44.58	3991.97	0.2764	24.7502		1.038714	93.0129			1308.03
91	44.57	4036.54	0.2763	25.0265		1.038481	94.0514			1263.46
92	44.58	4081.12	0.2764	25.3029		1.038714	95.0901			1218.88
93	44.58	4125.70	0.2764	25.5793		1.038714	96.1288			1174.30
94	44.04	4169.74	0.2730	25.8524		1.026132	97.1549			1130.26
95	44.58	4214.32	0.2764	26.1288		1.038714	98.1937			1085.68
96	44.15	4258.47	0.2737	26.4025		1.028695	99.2224			1041.53
97	44.60	4303.07	0.2765	26.6790		1.03918	100.2615			996.93
98	44.59	4347.66	0.2765	26.9555		1.038947	101.3005			952.34
99	44.58	4392.24	0.2764	27.2319		1.038714	102.3392			907.76

100	44.58	4436.82	0.2764	27.5083		1.038714	103.3779			863.18
101	44.56	4481.38	0.2763	27.7846		1.038248	104.4162			818.62
102	44.60	4525.98	0.2765	28.0611		1.03918	105.4553			774.02
103	44.58	4570.56	0.2764	28.3375		1.038714	106.4940			729.44
104	44.60	4615.16	0.2765	28.6140		1.03918	107.5332			684.84
105	44.57	4659.73	0.2763	28.8903		1.038481	108.5717			640.27
106	44.59	4704.32	0.2765	29.1668		1.038947	109.6107			595.68
107	44.59	4748.91	0.2765	29.4432		1.038947	110.6496			551.09
108	46.42	4795.33	0.2878	29.7310		1.081586	111.7312			504.67
109	46.47	4841.80	0.2881	30.0192		1.082751	112.8139			458.20
110	45.83	4887.63	0.2841	30.3033		1.067839	113.8818			412.37
111	47.17	4934.80	0.2925	30.5958		1.099061	114.9808			365.20
112	44.23	4979.03	0.2742	30.8700		1.030559	116.0114			320.97
113	46.53	5025.56	0.2885	31.1585		1.084149	117.0955			274.44
114	44.18	5069.74	0.2739	31.4324		1.029394	118.1249			230.26
115	44.20	5113.94	0.2740	31.7064		1.02986	119.1548			186.06
116	44.61	5158.55	0.2766	31.9830		1.039413	120.1942			141.45
117	43.43	5201.98	0.2693	32.2523		1.011919	121.2061			98.02
118	47.07	5249.05	0.2918	32.5441		1.096731	122.3029			50.95
119	46.33	5295.38	0.2872	32.8314		1.079489	123.3824			4.62
120		5295.38	0.0000	32.8314		0	123.3824			4.62
121		5295.38	0.0000	32.8314		0	123.3824			4.62
122		5295.38	0.0000	32.8314		0	123.3824			4.62
123		5295.38	0.0000	32.8314		0	123.3824			4.62
124		5295.38	0.0000	32.8314		0	123.3824			4.62
125		5295.38	0.0000	32.8314		0	123.3824			4.62
126		5295.38	0.0000	32.8314		0	123.3824			4.62
127		5295.38	0.0000	32.8314		0	123.3824			4.62
128		5295.38	0.0000	32.8314		0	123.3824			4.62
129		5295.38	0.0000	32.8314		0	123.3824			4.62
130	46.79	5342.17	0.2901	33.1215		1.090207	124.4726		out	-42.17
131	46.66	5388.83	0.2893	33.4107		1.087178	125.5597		out	-88.83
132	46.81	5435.64	0.2902	33.7010		1.090673	126.6504		out	-135.64
133	44.58	5480.22	0.2764	33.9774		1.038714	127.6891		out	-180.22
134		5480.22	0.0000	33.9774		0	127.6891			-180.22
135		5480.22	0.0000	33.9774		0	127.6891			-180.22
136		5480.22	0.0000	33.9774		0	127.6891			-180.22
137		5480.22	0.0000	33.9774		0	127.6891			-180.22
138		5480.22	0.0000	33.9774		0	127.6891			-180.22
139		5480.22	0.0000	33.9774		0	127.6891			-180.22
140		5480.22	0.0000	33.9774		0	127.6891			-180.22
141		5480.22	0.0000	33.9774		0	127.6891			-180.22
142		5480.22	0.0000	33.9774		0	127.6891			-180.22
143		5480.22	0.0000	33.9774		0	127.6891			-180.22
144		5480.22	0.0000	33.9774		0	127.6891			-180.22
145		5480.22	0.0000	33.9774		0	127.6891			-180.22
146		5480.22	0.0000	33.9774		0	127.6891			-180.22
147		5480.22	0.0000	33.9774		0	127.6891			-180.22
148		5480.22	0.0000	33.9774		0	127.6891			-180.22
149		5480.22	0.0000	33.9774		0	127.6891			-180.22
150		5480.22	0.0000	33.9774		0	127.6891			-180.22
151		5480.22	0.0000	33.9774		0	127.6891			-180.22
152		5480.22	0.0000	33.9774		0	127.6891			-180.22



MAN WELDING SERVICES, INC.

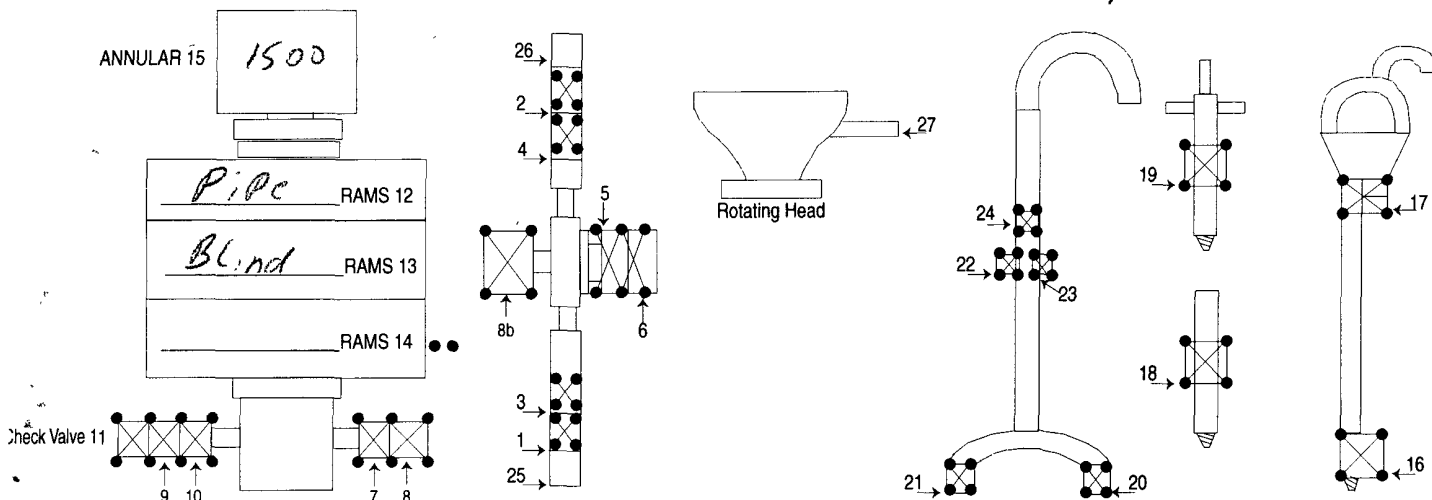
P.O. Box 1541 • Lovington, N.M. 88260
BUS: 505 396-4540 • FAX: 505 396-0044



INVOICE

No B 6938

Company MADEL & GUSMAN Hwy CO Date 1-13-10 Start Time 5:30 ☐ am ☒ pm
Lease AIO ST #13 County Lea State NM
Company Man _____
Wellhead Vendor _____ Tester Billy Griffin
Drig. Contractor PATRIOT Rig # 1
Tool Pusher _____
Plug Type C-27 Plug Size 11" Drill Pipe Size 4 1/2 x 11
Casing Valve Opened yes Check Valve Open yes



TEST #	ITEMS TESTED	TEST LENGTH	LOW PSI	HIGH PSI	REMARKS
1	9, 6, 25, 26, 13	5/5	250	3000	
2	9, 1, 2, 5, 13	5/5	250	3000	
3	9, 3, 4, 5, 13	5/5	250	3000	
4	8, 9, 12	5/5	250	3000	
5	7, 10, 12	5/5	250	3000	
6	7, 11, 12	5/5	250	3000	
7	7, 11, 15	5/5	250	1500	
8	17	5/5	250	3000	
9	16	5/5	250	3000	
10	18	5/5	250	3000	
11	19	5/5	250	3000	

8 HR@ _____
HR@ _____
Mileage 109 @ _____

Handwritten signatures and notes:
Methan...
31
64

SUB TOTAL

TAX

MAN WELDING SERVICES, INC

Company MADELAUSSON^{MAN} Hycro Date 1-13-10
Lease A10 57 #3 County Eddy
Drilling Contractor PATRIOT #1 Plug & Drill Pipe Size 11" 4 1/2 x 11

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** 1250 **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** 1000 **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** 1.33 **. 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}