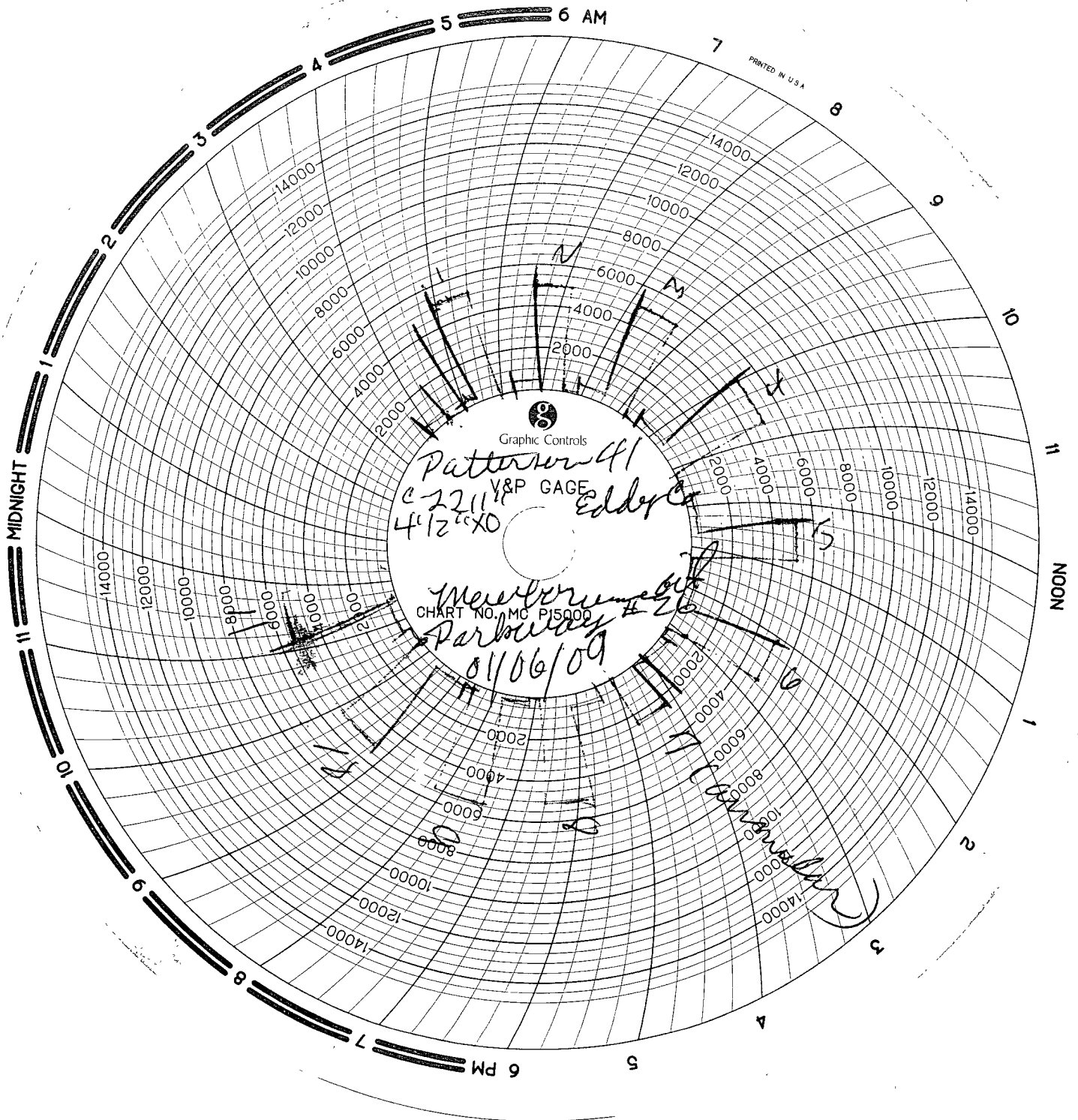


APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____





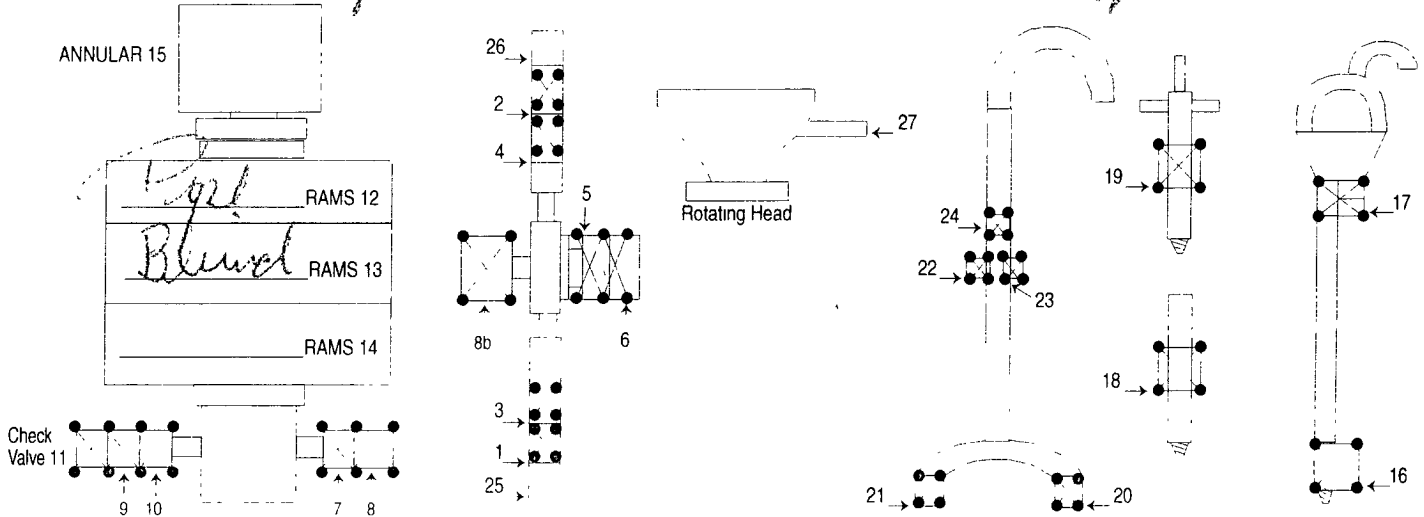
MANI
WELDING SERVICES

WELDING • BOP TESTING
NIPPLE UP SERVICE • BOP LIFTS • TANDEM
MUD AND GAS SEPARATORS
Lovington, NM • 575-396-4540

INVOICE

INVOICE # B 09815

Company Murphy Oil Date 04/06/09 Start Time 9:00 ☐ am ☒ pm
Lease Parkway # 26 County Eddy State N.M.
Company Man Bubba Smith
Wellhead Vendor _____ Tester Robert W. Williams
Drig. Contractor Patterson Rig # 41
Tool Pusher Dave Berriman
Plug Type C-22 Plug Size 11" Drill Pipe Size 4 1/2" X 0
Casing Valve Opened yes Check Valve Open yes



TEST #	ITEMS TESTED	TEST LENGTH	LOW PSI	HIGH PSI	REMARKS
1.	13, 25, 26, 6 & 11	1"	250	5000	Leak, Choke, fine
2.	13, 1, 2, 5, & 9	1"	250	5000	flange, Head flange
3.	13, 3, 4, 5, & 10	1"	250	5000	tightened & held
4.	12, 8, 10	1"	250	5000	
5.	12, 8, & 10	1"	250	5000	
6.	12, 7 & 11	1"	250	5000	
7.	15, 7 & 10	1"	250	2500	
8.	12	1"	250	5000	
9.	16	1"	250	5000	
10.	17	1"	250	5000	
11.	19	1"	250	5000	

8 HR @ 1200.00
4 HR @ 1100.00 = 4400.00
Mileage 160 mi @ 150 mi = 240.00
Methanol Chrg 200.00

SUB TOTAL 2040.00
TAX 109.34
TOTAL 2149.34

MAN WELDING SERVICES, INC

Company Mentmore Oil Date 11/06/09
Lease Parkway #26 County Edley
Drilling Contractor Patterson 41 Plug & Drill Pipe Size 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** 1500 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** 900 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** 1:42. **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}

Keltic Services, Inc

Box 1857
Artesia, NM
88211

505 748 3759**Temperature Survey**

Company	MEWBOURNE OIL	Date	12/29/08
Well	PARKWAY 26 ST COM #1	Time Plug Down	1800 hrs
		Time Start Survey	1210 hrs
		Time End Survey	100 hrs
Casing String	SURFACE	Depth Reached	311 ft

Cement Top 140 ft.

Gauge 205

Operator: Julian

Witness: PAUL NOSEFF

Keltic Services Inc
Temperature SurveyCompany MEWBOURNE OIL
Well PARKWAY 26 ST COM #1Date 12/29/08
Plug Down 1800 hrs
Survey Start 10 hrs
Operator Julian

Cement Top 140 ft

Depth ft	Temp. °F	Comments
20	71.8	
50	74.0	
100	76.3	
140	78.5	CT
150	85.0	
200	89.2	
250	96.1	
300	102.5	

