

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **NMOC-ARTESIA**

FORM APPROVED
OMB No 1004-0135
Expires January 31, 2004

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.

5. Lease Serial No.
LC-046256-B (SL) NM-27279 (BHL)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Aries 20 Fed Com #1H

9. API Well No.
30-015-37819

10. Field and Pool, or Exploratory Area
Sand Tank Bone Spring

11. County or Parish, State
Eddy County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Mewbourne Oil Company 14744

3a. Address
PO Box 5270 Hobbs, NM 88241

3b. Phone No. (include area code)
575-393-5905

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)
600' FNL & 330' FWL, Sec 20-T18S-R30E Unit Letter D (Surface)
600' FNL & 330' FEL, Sec 20-T18S-R30E Unit Letter A (BHL)

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 <u>Spud & Casing</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

3. 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 recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. 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 recompletion in a new interval, a Form 3160-4 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.)

07/12/10...MI & spud 17 1/2" hole. TD hole at 312'. Ran 312' 13 3/8" 48# H40 ST&C csg. Cemented with 180 sks Class H with additives. Mixed @ 14.6 #/g w/ 1.51 yd. Tail w/400 sks Class C w/2% CaCl2. Mixed @ 14.8 #/g w/ 1.34 yd. Plug down @ 3:00 pm 07/13/10. Circ 96 sks to pit. At 1:00 pm on 07/14/10, tested BOPE & casing to 1250# for 30 mins, held OK. Chart & schematic attached. Drilled out with 12 1/4" bit.

07/16/10..TD'ed 12 1/4" hole @ 1462'. Ran 1462' 9 5/8" 36# J55 LT&C Csg. Cemented with 300 sks BJ Lite Class C (35:65:4) w/additives. Mixed @ 12.5# /g w/ 2.15 yd. Tail w/200 Class C w/2% CaCl2. Mixed @ 14.8 #/g w/ 1.34 yd. Plug down @ 5:00 am 07/16/10. Circ 95 sks to pit. At 11:30 am on 07/17/10, tested casing to 1500# for 30 mins, held OK. Chart & schematic attached. Drilled out with 8 3/4" bit.

RECEIVED
SEP 13 2010
NMOC-ARTESIA

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

Jackie Lathan

Title **Hobbs Regulatory**

Signature

Date **08/09/10**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by (Signature)

Name
(Printed/Typed)

Title

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.

Office

SEP 8 2010
/s/ Dustin Winkler

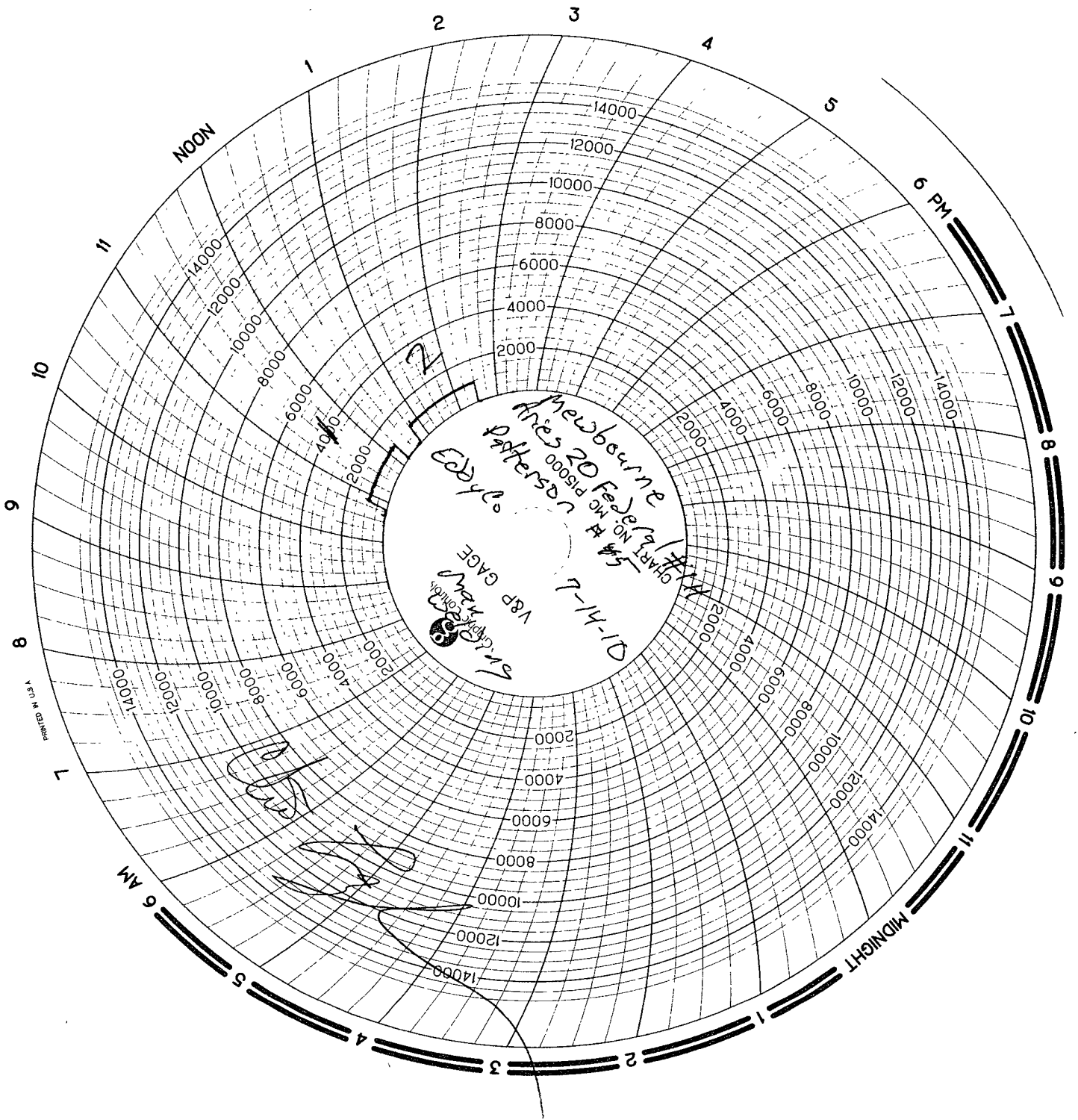
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to deposit any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(Continued on next page)

Accepted for record
NMOC-ARTESIA

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MAN WELDING SERVICES, INC

Company Mowbourne Date 7-14-10
Lease Aries 20 Federa/# 1H County Eddy
Drilling Contractor Patterson 45 Plug & Drill Pipe Size 4 1/2 X 14

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 2300 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 52. 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 }



INVOICE

14-00000

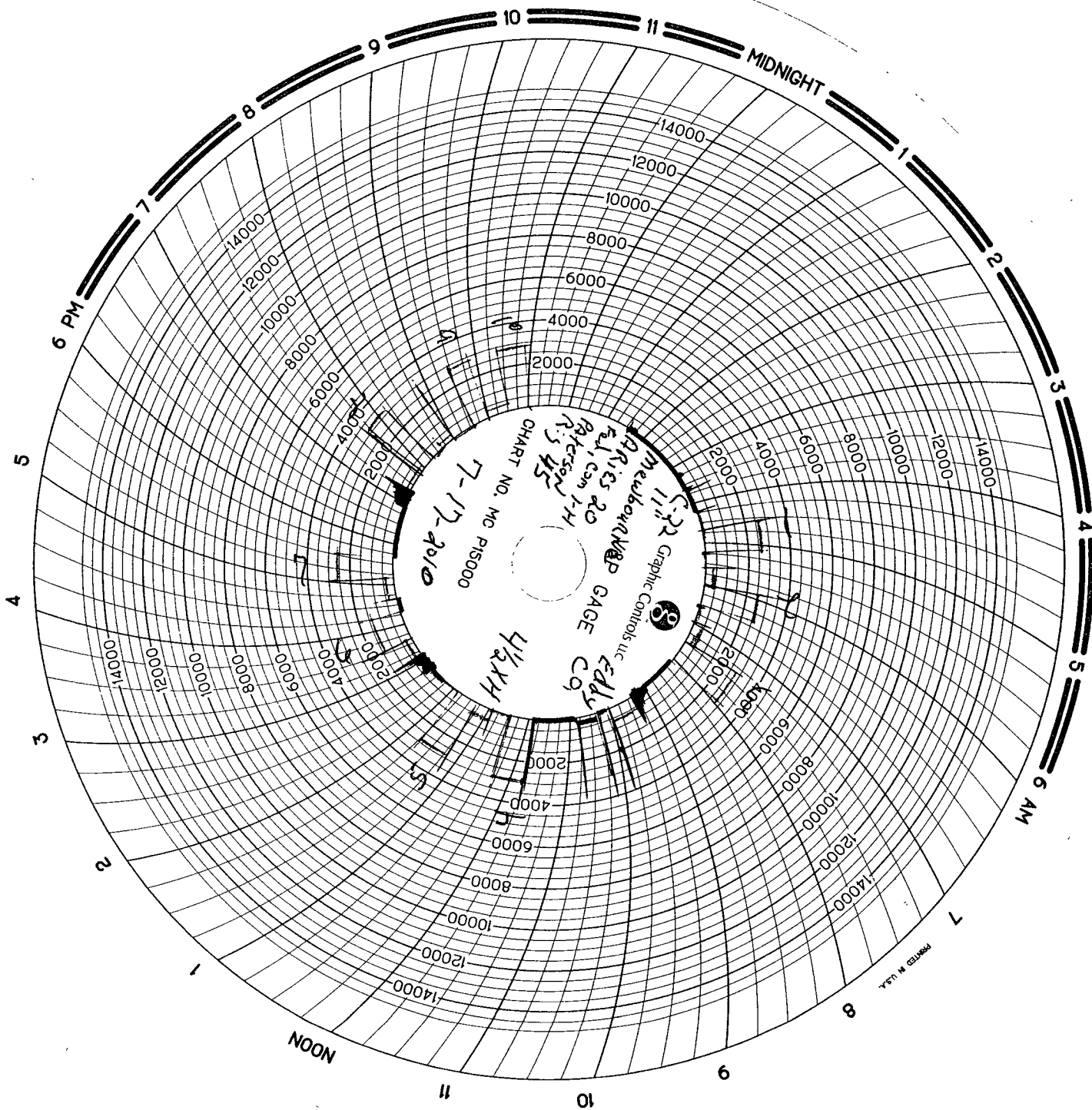
[illegible]

5 HR@ 1,000
HR@

Mileage 110 @ 110

MASTER PRINTERS 575 396 3661

SUB TOTAL	\$1,110.00
TAX	\$61.05
TOTAL	\$1,171.05

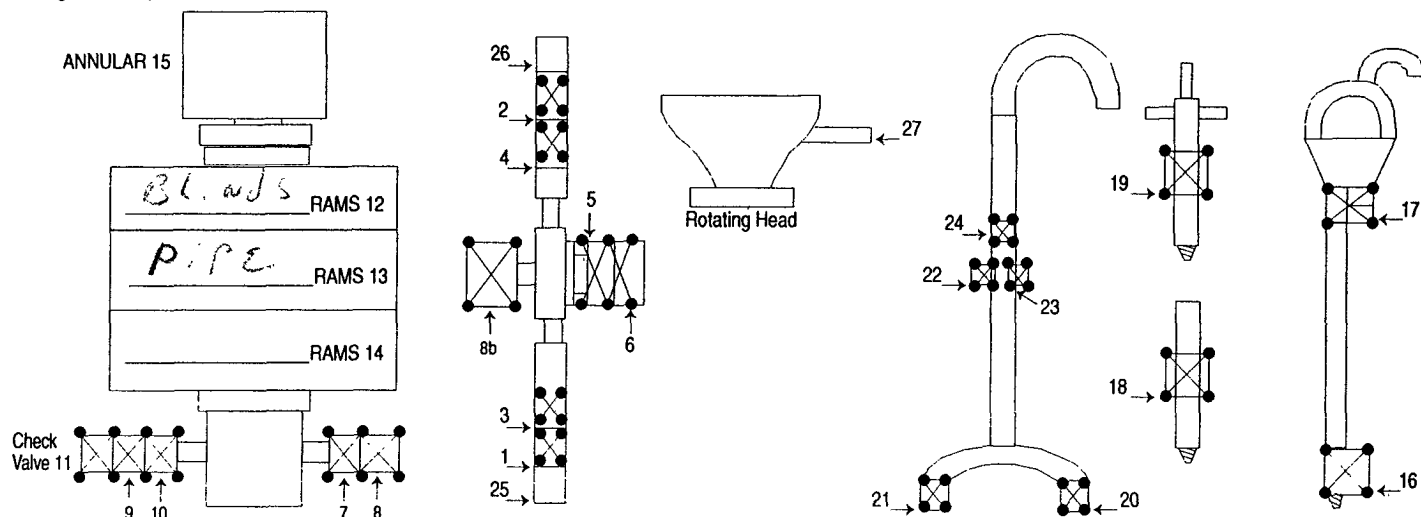




INVOICE

REF ID: A66011

Company MEWBourNE OIL CO, Date 7-16-2010 Start Time 9:30 ☐ am ☒ pm
Lease ARIES 20 Fed. com 1-H County ELL State NM
Company Man _____
Wellhead Vendor _____ Tester Denny Hughes
Drig. Contractor PATERSON RIG UTI Rig # 45
Tool Pusher _____
Plug Type C-22 Plug Size 11" Drill Pipe Size 4 1/2 XH
Casing Valve Opened Yes Check Valve Open _____



TEST #	ITEMS TESTED	TEST LENGTH	LOW PSI	HIGH PSI	REMARKS
1	85, 26, 6, 9, 12	10/10	250	3,000	
2	1, 2, 5, 10, 12	10/10	250	3,000	
3	3, 4, 5, 11, 12	10/10	250	3,000	
4	8, 11, 13	10/10	250	3,000	
5	7, 10, 13	10/10	250	3,000	
6	7, 11, 15	10/10	250	1500	
7	19	10/10	250	3000	
8	18	10/10	250	3000	
9	16	10/10	250	3000	
10	17	10/10	250	3000	
					#8 - HCR VALVE

8 HR@ \$1000⁰⁰ = 1,000⁰⁰
3 HR@ \$85⁰⁰ = 255⁰⁰
Mileage 142 @ \$1.00⁰⁰ per mi = 142.00

SUB TOTAL	1397.00
TAX	76.84
TOTAL	1473.84

MAN WELDING SERVICES, INC

Company newbourne o.l.c.o. Date 7-17-2010
Lease Aries 20 Fed. com 1-H County Eddy Co.
Drilling Contractor PATERSON UTE #45 Plug & Drill Pipe Size C. 22-11'-4 1/2 XH

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** 1400 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 min. **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}