OCD Artesia

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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 page 2.*

5. Lease Serial No. NM-54184

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
Oil Well | Gas Well | Other X Convert to SWD

8. Well Name and No. Fireweed 10 Fed. #1 SWD

2. Name of Operator Ray Westall Oper., Inc. 89255

9. API Well No. 30-015-29165

3a. Address P.O. Box K Loco Hills, N.M.

3b. Phone No. *(include area code)* 575-677-2370

10. Field and Pool or Exploratory Area SWD; Wolfcamp, Cisco/Canyon

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* 1870' FNL 4860' FEL Sec. 10, T-18-S, R-28E

11. County or Parish, State Eddy County, New Mexico

12. CHECK THE 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
	Alter Casing	Fracture Treat	Reclamation	Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomplete	Other
	Change Plans	Plug and Abandon	Temporarily Abandon	
Final Abandonment Notice	Convert to Injection	Plug Back	X Water Disposal	

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 recomplete 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached

OCD Permit # SWD-1383

5/22/14
Accepted for record
NMOCD

RECEIVED
MAY 19 2014
NMOCD ARTESIA

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* René Hope — Title Bookkeeper

Signature René Hope — Date 4/9/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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)

Accept for Record
05/05/2014 PRL

FIREWEED 10 FEDERAL # 1 SWD
API # 30-015-29165
PERMIT # SWD-1383

12/10/13 - Notified BLM (left message) that we were going to rig up WSU on 12/11/13, would be ready for BOPE test at 8:00 am.

12/11/13 - Rig up WSU, install BOPE called BLM to see if they were going to witness test. Spoke with Terry Wilson, he stated no one from BLM was going to witness test. Rig up Man Welding @ 9:00 am. Tested BOPE. All tests were good – Permian welding employee R.N Northcutt. (Chart attached) RD testers at 12:00 pm. Start drilling surface plug, fell through cement @ 60'. GIH with bit, 6 drill collars and tubing. Tag 2nd plug @ 473', start drilling cement, drill to 503'. SDFN.

12/12/13 - Continue drilling cement, fell through cement @ 698'. GIH with tubing, tag 3rd cement plug @ 2551'. Start drilling. SDFN

12/13/13 – Resume drilling, drilled to 2777'. SDFN

12/16/13 – Resume drilling cement, fell out of cement @ 2990'. GIH to tag 4th cement plug @ 5175'. Attempt to test csg, would not test. (Circulated up annulus of 7" casing) SDFN.

12/17/13 – COOH with tubing, drill collars and bit. GIH with RBP and packer to isolate holes in csg.

12/19 thru 12/23/13 – Identified holes in csg @ 15' from surface and 3603' – 3995'.

12/24/13 – GIH with cement retainer and tbg to 3600', squeezed 100 sxs cement into holes 3603' – 3995'. SD

12/26/13 - Pump 50 sxs cement into holes @ approximately 25'. Circulate cement to pit. (up 9 5/8' – 7" annulus). Left 1000 PSI on 7" csg. SD until 12/30/13.

12/30/13 – Drill cement @ surface. Fell through cement @ 45'. Test csg to 500 PSI, held good. GIH to drill cement retainer @3600'. SDFN

12/31/13 – Finished drilling cement retainer. Drill cement, fell through cement @ 3970', test csg to 500 PSI, held okay. No leak off. GIH tag 4th cement plug @ 5175'. SDFN.

01/02/14 – Drill cement from 5175' – 5415'. SDFN

01/03/14 – Drill cement from 5415' fell through @ 5445'. GIH to tag 5th cement plug @ 7393', pressure test csg to 500 PSI, held okay. Circulate heavy mud from well. Drill Cement to 7450'. SD.

01/06/14 – Drill cement from 7450', fell through cement @ 7682'. Circulate well clean. Test csg to 500 PSI, did not hold, COOH.

01/07/14 – 01/08/14 – GIH with RBP and packer to find leak. Identified holes in csg from 3740' to 4032'. Csg above and below leak was good, tested okay.

01/09/14 – Pump 240 sxs cement into leak 3740' – 4032', squeezed to 1500 PSI, shut in, left pressure on well. SD.

01/10/14 – Bled off pressure. GIH tag cement @ 3593'. Drilled to 3650'. SD, cement still green.

01/13/14 – Resume drilling cement, fell through cement @ 4008'. Test csg to 1000 PSI, held okay. Contacted Paul Swartz with BLM to witness test on 01/14/14 @ 8:00 am. SDFN

01/14/14 – Was told by Paul Swartz we had to test csg to 1500 PSI. Pressured up on csg to 1500 PSI, broke down squeeze, bled down to 950 PSI in 27 min. Chart attached. Discussed with Paul Swartz various ways to fix leak, also discussed, and was agreed, to allow us to finish drilling cement plugs and complete well so that we could evaluate well for disposal purposes. We also discussed only testing csg to 500 PSI for MIT test as we are going to leave the csg open to atmosphere while disposing water. GIH with bit, drill collars and tbg to finish drilling cement plugs. Tag cement @ 8369'. Drilled up cement, tag CIBP @ 8554'. SDFN

01/15/14 - Drilled CIBP @ 8554'. GIH tag plug @ 9204' (will be PBTD) SDFN.

01/16/14 – COOH with tbg, drill collars and bit. Prep to log and perforate on 01/17/14.

01/17/14 – RU Jarrel Serivices to run CBL (copy of log was emailed by Jarrel Services to BLM – Paul Swartz). Perforate well as follows: 7727'- 7769' (80 holes), 7828' – 7948' (96 holes), 8082' – 8160' (48 holes), 8425' – 8580' (60 holes), 8723' – 8900' (172 holes), 8909' – 9040' (188 holes), 9140' – 9190' (100 holes). 744 holes total. SDFN.
01/18/14 – GIH with packer and tbg. Set packer @ 7639'. Prep to acidize well on 01/20/14. SD.
01/20/14 – RU Elite Well Service with 20,000 gallons 20% HCL acid with corrosion and scale inhibitor. Average rate 7 BPM @ average PSI 3000#. Final shut in PSI 300#. Rig down acid trucks. SD.

01/21/14 - Flow back acid, SD.

01/22/14 - COOH with 2 7/8" work string, laid down on rack. SD.

01/23/14 – GIH with 3 ½" IPC (Salta) tbg. Pumped gelled packer fluid to attempt to seal leak in csg. Set packer @ 7636'. Pressure annulus to 500 PSI, had small leak off. Will monitor annulus to see if leak will seal off.

01/24/14 – 03/21/14 – Monitor csg, re-pressure weekly to attempt seal. 03/21/14 still had 80 PSI leak off @ 500 PSI in 30 minutes.

03/24/14 – Circulate gelled packer fluid from well. Pump 2% KCL H2O with packer fluid into annulus. Injected csg seal chemical into annulus. Pressured annulus to 550 PSI. Monitor to see if csg seals.

03/28/14 – On location with pump truck to check PSI. Richard Inge – OCD District 2 inspector came to location. Ran MIT test, pressured annulus to 560 PSI, 30 minutes 530 PSI. (Chart attached). Mr. Inge stated bleed off was within acceptable range. Attempted to contact BLM - Paul Swartz to discuss what we had done. Left voicemail.

03/31/14 – Again contacted BLM, spoke to Jim Hughes. Related actions that had occurred. He stated that Paul Swartz be contacted. Called Paul Swartz, left voicemail. Currently in process of constructing tank battery and disposal equipment. Will be ready to start disposal operations when pump and electricity are installed.

PAR FIVE ENERGY SERVICES LLC

Cementing Service Report

Treatment Number 0003800	12/24/2013
STAGE	API. NO

WELL NAME AND NO. FIREWEED 10 FED. 1 SWD | LOCATION(LEAGAL)

FIELD/POOL | FORMATION | PO#

COUNTY/PARISH EDDY | STATE NM | AFE. NO

NAME RAY WESTALL OPERATING INC.

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

IS CASING/TUBING SECURED? YES NO.

LIFT PRESSURE 3072 PSI

PRESSURE LIMIT 2000 PSI

BUMP PLUG TO +/- 500 PSI

No. of Centralizers

RIG NAME:

WELL DATA:		BOTTOM				TOP
BIT SIZE	CSG/Liner Size					
TOTAL DEPTH	WEIGHT					
ROT CABLE	FOOTAGE					
	GRADE					
MUD TYPE	THREAD					
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)					TOTAL
MUD VISC	Disp. Capacity					

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

FLOAT	TYPE	Insert	Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	Guide		TYPE	
	DEPTH			DEPTH	

TBG D.P.		SQUEEZE JOB	
SIZE 2 7/8		TOOL	TYPE RETAINER
WEIGHT 6.5			DEPTH 3600
GRADE	TAIL PIPE: SIZE	DEPTH	
THREAD	TUBING VOLUME 21	Bbls	
NEW USED	CASING BELOW THE TOOL		
DEPTH	TOTAL	Bbls	
	ANNUAL VOLUME 109	Bbls	

CASING WEIGHT ÷ SERFACE AREA ($3.14 \times R^2$)

JOB SCHEDULED FOR 08:00 DATE: 12-24-13 TIME:

ARRIVED ON LOCATION 08:00 DATE: 12-24-13 TIME:

LEFT LOCATION TIME 12:00 DATE 12-24-13

TIME 0001 TO 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED INCREMENT	VOLUME PUMPED CUM	INLET RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOGE DETAIL
9:45								PRE-JOB SAFETY MEETING
10:07	XXX	2500	0.5		0.5	FW	8.33	PSI TEST
	XXX							
10:09		110	3		2	FW	8.33	CIRCULATE WELL
10:18								STING IN
10:29	XXX	450	5		1	FW	8.33	ESTABLISH INJECTION RATE
10:31	XXX	700	24		1	CMT	14.8	START LEAD
10:58	XXX	770	24		1	CMT	14.8	END LEAD
10:58	XXX	300	20		1	FW	8.33	DISPLACE
11:40	XXX	700				FW		SQUEEZED
11:43	XXX	340	42		3	FW	8.33	REVERSE OUT
12:15	XXX							SHUT DOWN
								THANK YOU PAR-FIVE

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1	100	1.34	C-NEAT	24	14.8
2					
3			300# SUAGAR		
4					
5					
6					

BREAKDOWN FLUID TYPE VOLUME DENSITY

HESITATION SQ. RUNNING SQ.

BREAKDOWN PSI FINAL PSI

Washed Thru Perfs Yes No TO FT.

PERFORATIONS

TO TO

TO TO

CIRCULATION LOST	YES	NO
DISPLACEMENT VOL.		Bbls.
MEASURED DISPLACEMENT	113	WIRELINE

CUSTOMER REPRESENTATIVE

MR. DONNIE

PRESSURE 1500	MAX. 0	MIN.
Cement Circulated To Surf.	Yes	No

TYPE OF WELL	OIL	STORAGE	BRINE WATER
	GAS	INJECTION	WILDCAT

TRAVIS KELSEY

PAR FIVE

DESIGN – EXECUTE – EVALUATE – REPORT

PLUG

RAY WESTALL OPERATING

FIREWEED 10 FED 1 SWD
EDDY COUNTY, NEW MEXICO

Prepared By: IVAN GARCIA

FIELD SPECIALIST

ARTESIA DISTRICT

12-26-2013

PAR FIVE ENERGY SERVICES LLC

Cementing Service Report

Treatment Number 00003068	Date: 12-26-2013
STAGE	API. NO

WELL NAME AND NO.: FIREWEED 10 FED 1 SWD | LOCATION(LEAGAL)

FIELD/ | FORMATION | PO#

COUNTY/PARISH: EDDY | STATE: NM | AFE. NO

NAME: RAY WESTALL OPERATING INC

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

PLUG

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE PSI

PRESSURE LIMIT PSI

BUMP PLUG TO +/- 500 PSI

CASING WEIGHT ÷ SERFACE AREA (3.14 X R²)

No. of Centralizers

RIG NAME:

WELL DATA:		BOTTOM			TOP
BIT SIZE	CSG/Liner Size	7"			
T.D.	WEIGHT	26#			
ROT CABLE	FOOTAGE	50			
	GRADE	J-55			
MUD TYPE	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)				TOTAL
MUD VISC	Disp. Capacity	1			1

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

FLOAT	TYPE	Insert	Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	Guide		TYPE	
	DEPTH			DEPTH	

TBG D.P.

SIZE : 2.875

WEIGHT : 6.5

GRADE: J-55

THREAD

NEW USED X

DEPTH: 50

SQUEEZE JOB

TOOL: TYPE: RETAINER

DEPTH: 9633

TAIL PIPE: SIZE DEPTH

TUBING VOLUME Bbls

CASING VOL. BELOW TOOL Bbls

TOTAL Bbls

ANNUAL VOLUME Bbls

JOB SCHEDULED FOR TIME: 10:30 DATE: 12-26-2013

ARRIVED ON LOCATION TIME: 10:30 DATE: 12-26-2013

LEFT LOCATION TIME: 13:00 DATE: 12-26-2013

TIME 0001 TO 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJET RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOGE DETAIL
10:30								ON LOC RIG UP ON GROUND
11:00	XXX							SAFETY MEETING,START JOB
11:09	XXX	700	0.5		0.5	F/W	8.34	TEST LINES
11:12	XXX	240	5		2	F/W	8.34	FRESH WATER AHEAD
11:19	XXX	240	12		2	CMT	14.8	CEMENT
11:23	XXX							SHUT DOWN WASH UP PUMP
11:35	XXX	490	0.5		1	F/W	8.34	PRESSURED UP ON VALVE AND SHUT IN PRESSURE
	XXX							
	XXX							CIRCULATED 4 BBLS/ 17 SACKS OF CEMENT TO SURFACE
	XXX							
	XXX							
	XXX							
	XXX							
	XXX							
	XXX							
	XXX							
	XXX							THANK YOU FOR USING PAR FIVE SERVICES!!!!

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS		DENSITY
1	50	1.34	C+ 2 % PF001	12		14.8
2						
3						
4			200# SUGAR			
5						
6						

BREAKDOWN FLUID TYPE VOLUME DENSITY

HESITATION SQ. RUNNING SQ.

BREAKDOWN PSI FINAL PSI

Washed Thru Perfs Yes No TO FT.

PERFORATIONS

TO TO

TO TO

CIRCULATION LOST YES NO

MEASURED DISPLACEMENT WIRELINE

CUSTOMER REPRESENTATIVE

DONNIE MATHS

PRESSURE 500 MAX. 0 MIN.

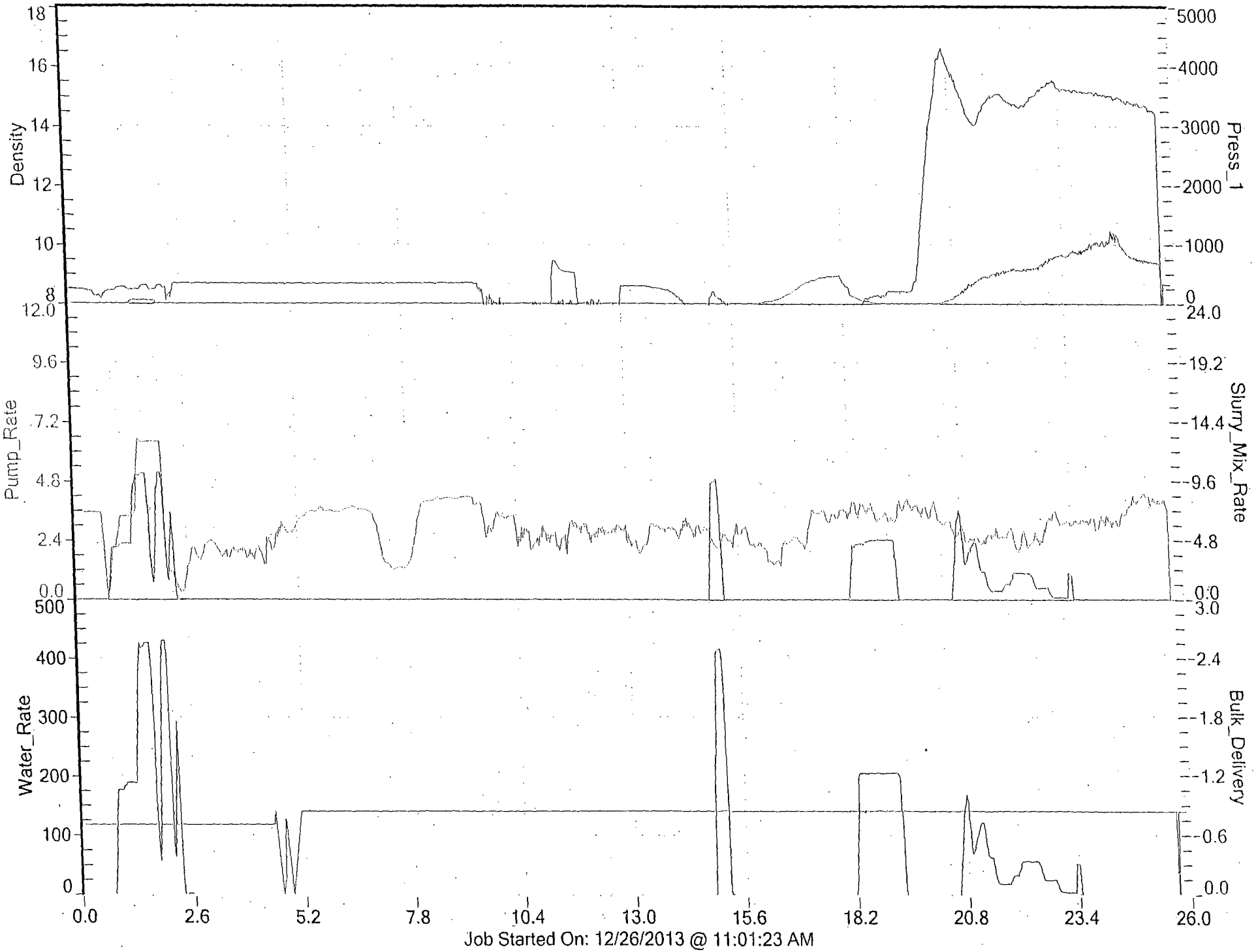
Cement Circulated To Surf. Yes No

TYPE OF WELL: OIL STORAGE BRINE WATER GAS INJECTION WILDCAT

IVAN GARCIA

RAY WESTALL OPERATING, INC

FIREWEED 10 FED 1 SWD



Job Started On: 12/26/2013 @ 11:01:23 AM

PACESETTER
PRESSURE PUMPING
CEMENTING – ACIDIZING

	Customer Name:	RAY WESTALL OPERATING INC.	Field Receipt	C20140006	
	Lease Name:	FIREWEED 10 FED SWD			
	Well #:	1	Service Specialist	CODY RASBERRY	
	Type of Job:	SQUEEZE	County:	EDDY	
	Date:	1/9/2014	Customer Representative		

Tubing Size:	2.875	Casing size:	7	Liner size:			
Tubing weight:	6.4	Casing weight:	26	Top of Liner:			
Tubing bbl/lnft	.00579	casing BBl/lnft:	.0383	Bottom of Liner:			
Retainer depth:		Total Depth:		Annular Volume:			
Packer depth:	3600	Total Pipe:					
Perfs:	3730-3995	Shoe Joint:					
Holes in casing:		Displacement:	bbls	Maximum:		Psi	
		Pre-Flush:	bbls				

	Sks.	Cement Additives							
Lead Cement:	300	"C" NEAT							
	Cmt. Wt.	14.80	Yield	1.33	Gal/sk	6.32	Mixing Water:	45.14	:bbls
							Total Ft.³:	399.00	ft.³
Middle Cement:									
	Cmt. Wt.		Yield		Gal/sk		Mixing Water:		:bbls
							Total Ft.³:		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:	300	sks.	Total Bbls. Cmt.:	71.06	:Bbls
Total Ft.³:	399	ft.³	Total Mix Water:	45.14	:Bbls

Total Water for Job: :Bbls

Acid Systems

Acid System:		Gallons	
Diverter:		Balls	

Coarse Rock Salt

	Injection Rate:			Job Pressures	
ime	Rate:	Bbls in		Tbg psi.	Csg psi
8:27AM				3000	
8:31					500
9:00	1.5	1	1	1321	
9:12					
9:18	1.5	1	1	1231	
9:55		56	56	120	
10:06	1.5	1	57	250	
10:24		21	77	1230	
10:34	0.5	22	78	1270	
10:37					
10:41	0.5			1100	

Job Log Remarks:

TEST LINES
PRESSURE UP BACKSIDE TO 500 PSI
ESTABLISH INJECTION RATE
BATCH UP @ 14.8
START DOWN HOLE ON CMT
SHUT DOWN WASH UP
ON DISPLACEMENT
SHUT DOWN HESITATE
PUMP ONE MORE BBL
BLEED BACK PRESSURE GOT 2 BBLS BACK
PUT 2 BBLS BACK IN DISPLACEMENT

rvice Specialist

ODY RASBERRY

Customer Representative

X

PACESETTER
PRESSURE PUMPING
CEMENTING - ACIDIZING

Field Receipt

C20140006

Lease: FIREWEED 10 FED SWD
Well: 1
Job Type: SQUEEZE

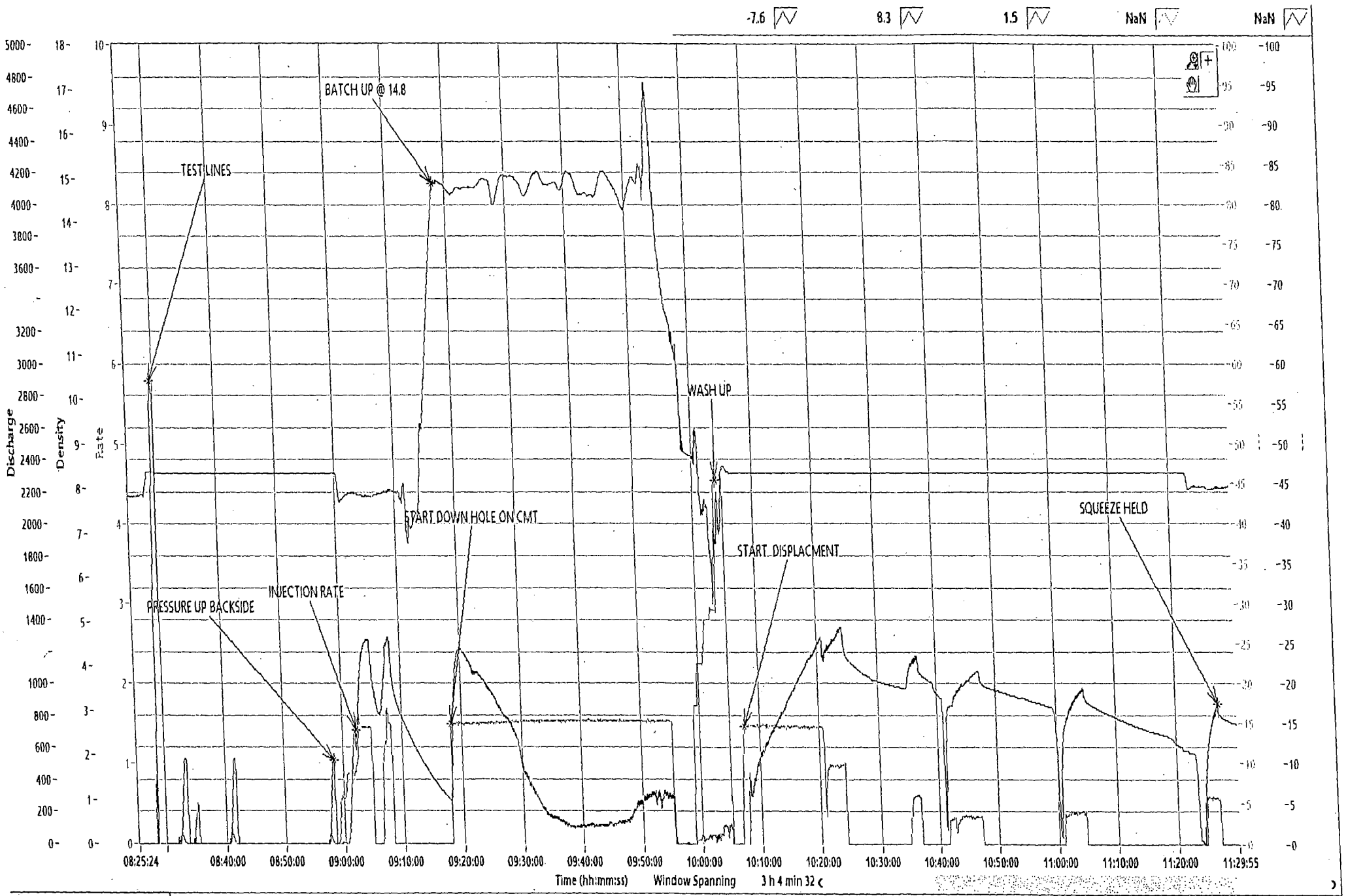
Customer: RAY WESTALL OPERATING INC.
Date 1/9/2014

	Injection Rate:			Job Pressures		Job Log
Time	Rate:	Bbls in		Tbg psi.	Csg psi	
10:54						BLEED BACK PRESSURE GOT 2 BBLS BACK
10:56	0.5			1000		PUT 2 BBLS BACK IN DISPLACEMENT
11:20		22	78			SQUEEZED BLEED OFF PRESSURE SQUEEZE HELD

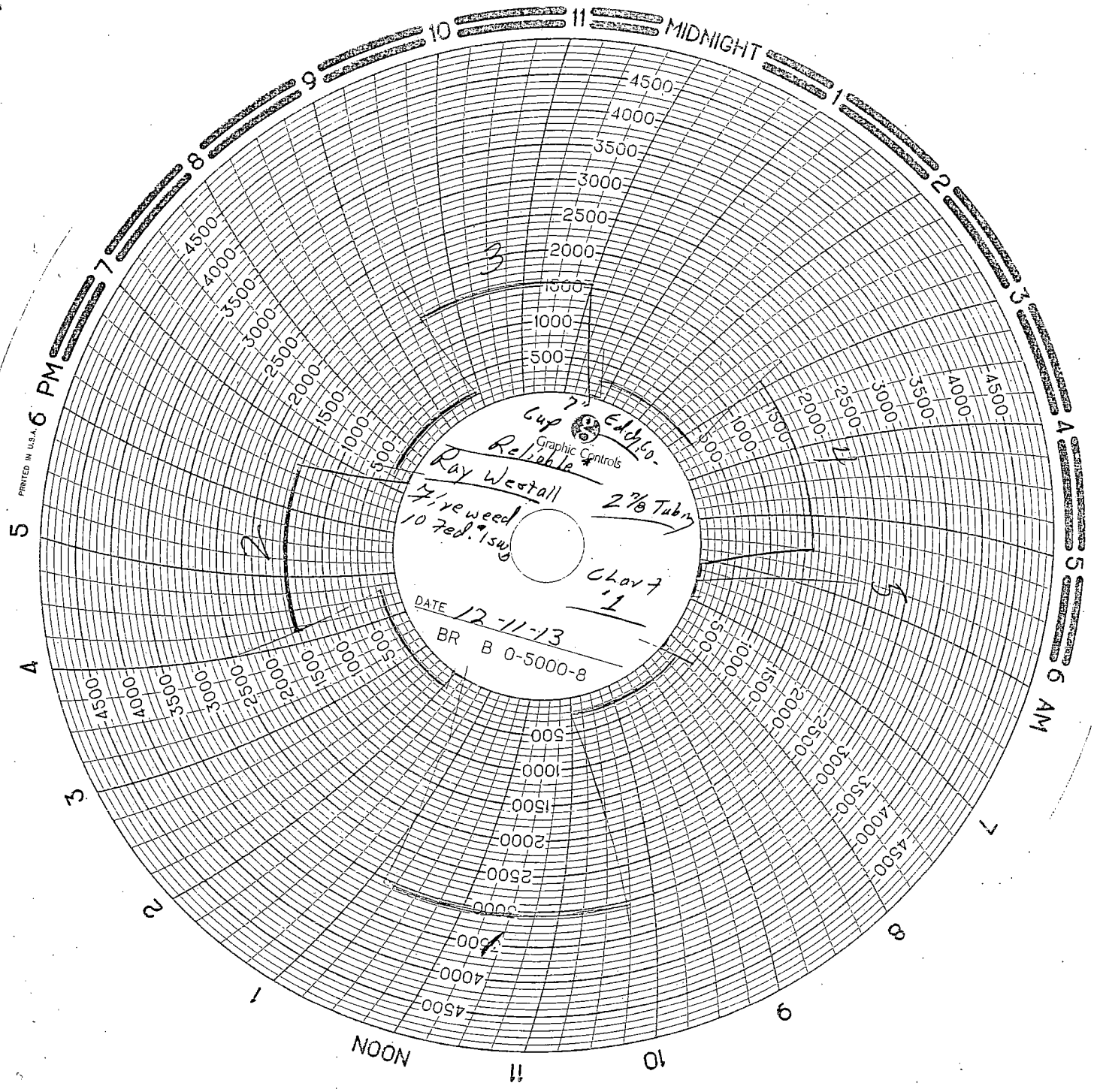
hank you for your business!

ervice Specialist	Customer Representattive
CODY RASBERRY	X

Job Number: C20140006 d:\ses\datalogs\Log01092014071844.tdms



Refresh Graph



Man Welding BOPE Test

MAN WELDING SERVICES

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

Pg. 1 of 1

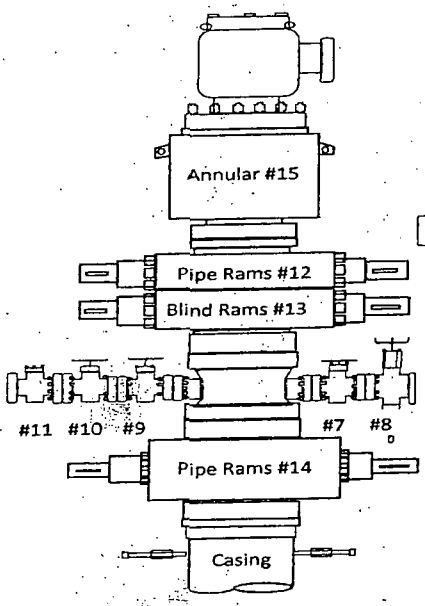
Company: Ray Westall Date: 12-11-13 Invoice # 862100

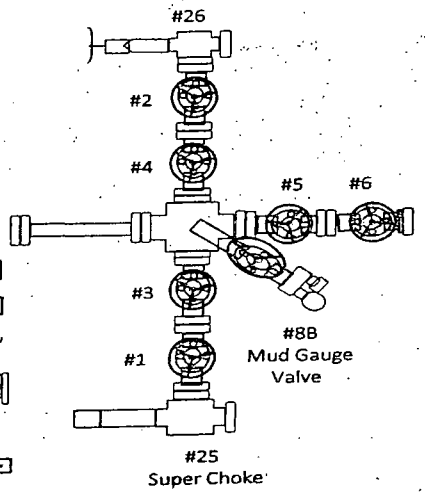
Lease: Firewood 10 Fed #1 SWD Drilling Contractor: Reliable Rig #

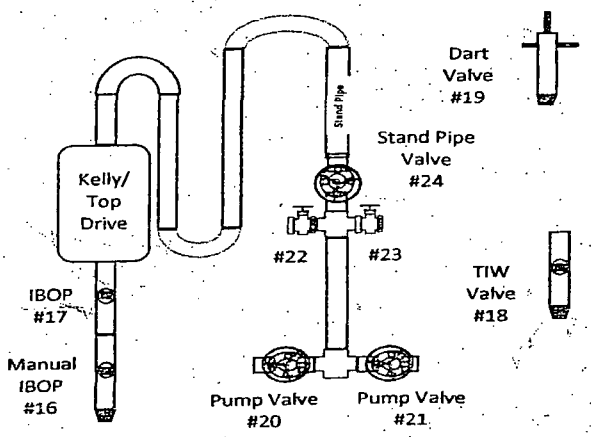
Plug Size &Type: 7" Cup Drill Pipe Size 2 7/8 Tubing Tester: E. Montoya

Required BOP: 2M Installed BOP: 3M

*Appropriate Casing Valve Must Be Open During BOP Test * * Check Valve Must Be Open/Disabled To Test Kill Line Valves *







TEST #	ITEMS TESTED	TEST LENGTH	LOW PSI	HIGH PSI	REMARKS
1	TRUCK	10/10	250	3000	OK
2	3 4 5 9 13	10/10	250	1500	OK
3	7 9 12	10/10	250	1500	OK
4	3 4 5 9 12	10/10	250	1500	OK
5	25 26 5 9 12	Bump	—	1500	Pressured to 1500 bled off.

MAN WELDING SERVICES, INC

Company Ray Westall Date 12-11-15

Lease Five Wood 10 Fed #15 SWD County Eddy

Drilling Contractor Reliable # Plug & Drill Pipe Size 3" Cup / 12 3/4 Tobin

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)**

N/A 1. ~~Open HCR Valve.~~ (If applicable)
N/A 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** 1100 **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}

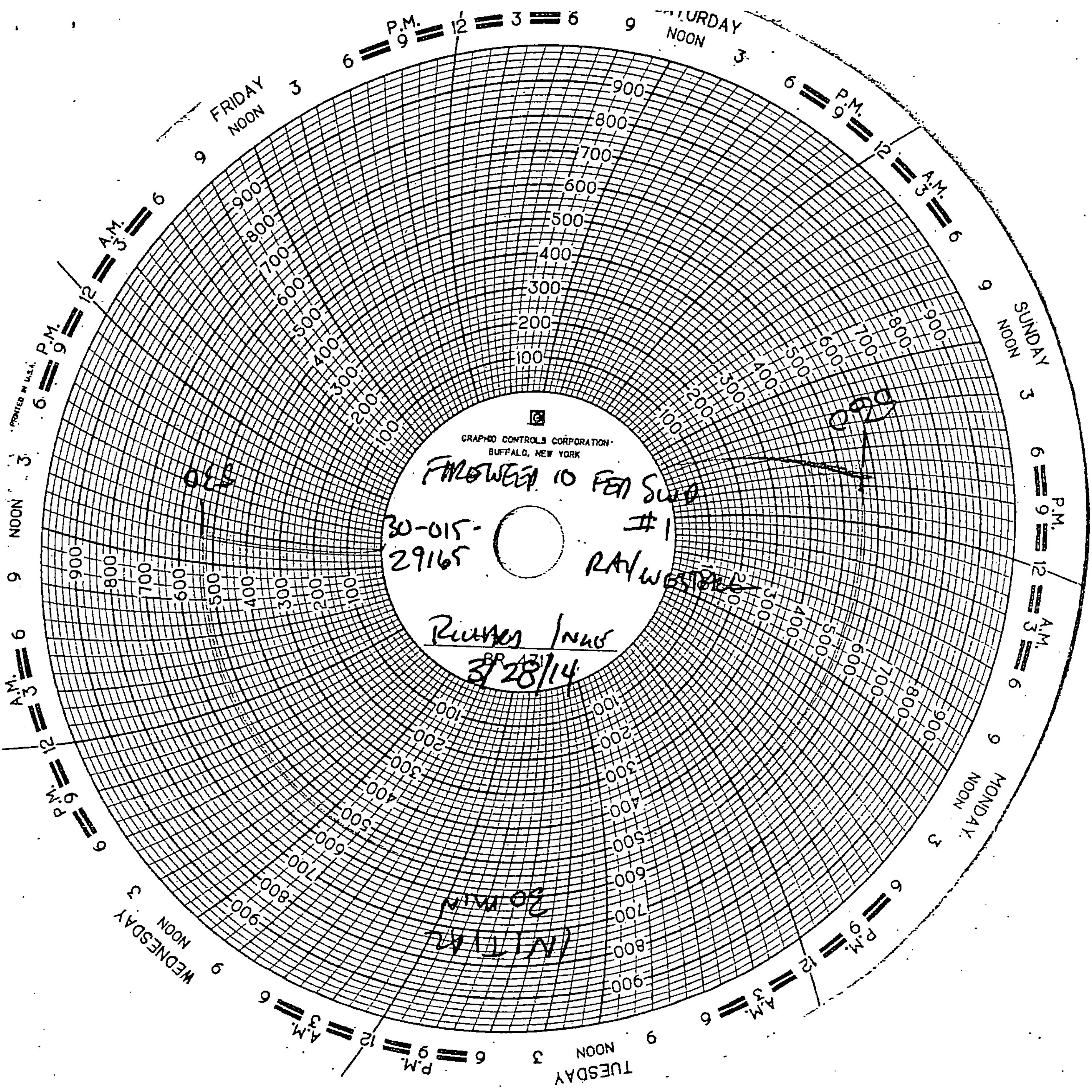
1. Open bleed line to the tank, slowly. **(gauge needle will drop at the lowest bottle pressure)**
2. Close bleed line. Barely bump electric pump and see what pressure the needle jumps up to.
3. **Record pressure drop** 750 **psi. Test fails if pressure drops below minimum.**

- **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.

N/A 1. ~~Open the HCR valve,~~ {if applicable}
N/A 2. ~~Close annular~~ Pipe Rams.
3. With **pumps** only, time how long it takes to regain the required manifold pressure.
4. **Record elapsed time** 13 sec. **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}

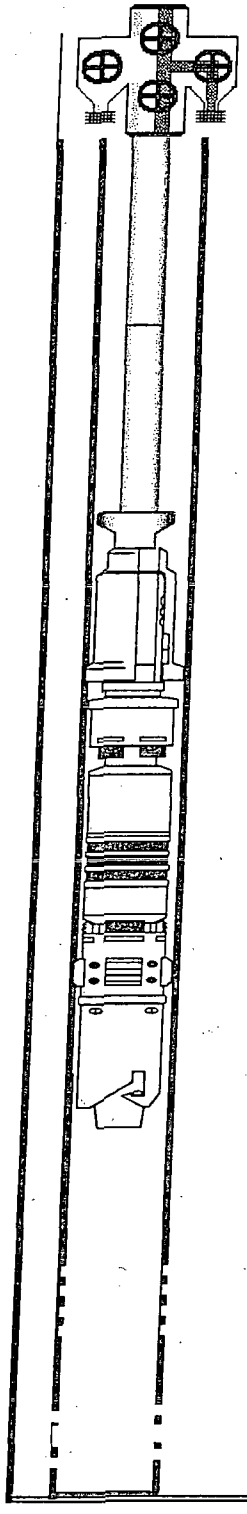

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
30-015-
29165
#1
3/28/14
INITIAL
30 MIN
SATURDAY
SUNDAY
MONDAY
TUESDAY
WEDNESDAY
FRIDAY
NOON
A.M.
P.M.

Date: 1/23/2014

Lea County Packers

Ray Westall Operating

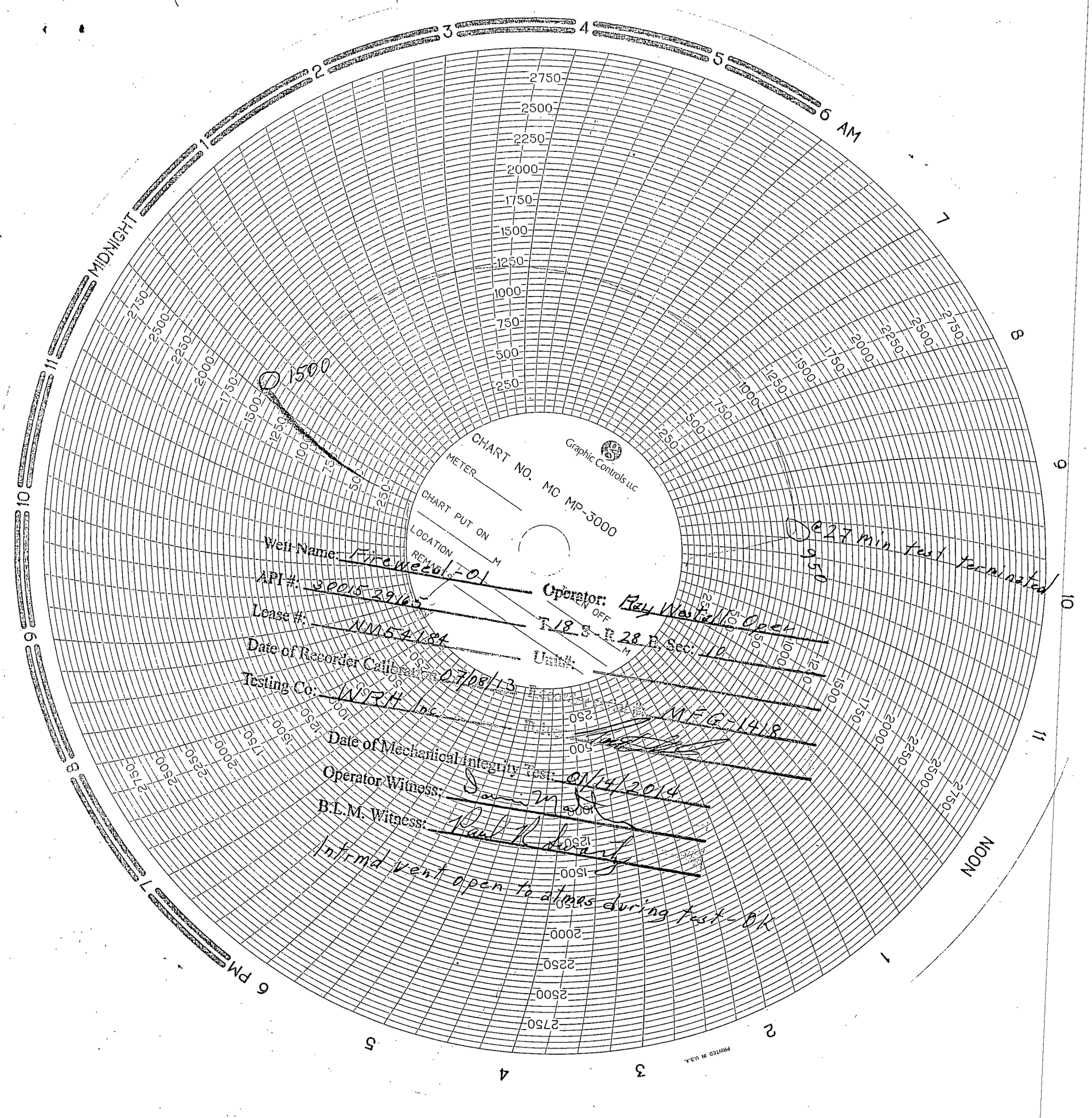
Company Rep. Donnie M.
Fire Weed 10 Federal # 1 S.W. D. Tool Specialist Sam Lujan
Eddy, N. Mex. Office Hobbs
January 23 2014 SAP No.



Installation

Length	Depth	Description	OD	ID
	-			
	7,626.91	235 Jts Of 3 1/2 Salta ~~Carbon~~ Tubing in Well		
	-			
	-			
	-	K.B. Correction		
	-			
	-			
1.71	7,628.62	3 1/2 On Off Tool Nickel Plate & 2.31 F Profile		
8.30	7,636.92	Arrowset Packer 7x 3 1/2 Nickel Plate # 26 Set W/ 15,000 Compression		
7,727.00				
9,190.00		Perforations 7727-9190		

Filename:


MIDNIGHT
6 AM
NOON
6 PM
CHART NO. MC MP-3000
Graphic Controls LLC
METER
CHART PUT ON
LOCATION
REMOVED
M
TAKEN OFF
Well Name: Firewell-01
API #: 30015-29165
Lease #: NM5418
Date of Recorder Calibration: 07/08/13
Testing Co: WRH Inc.
Date of Mechanical Integrity Test: 01/14/2014
Operator Witness:
B.L.M. Witness: Paul Kautz
Operator: Bay West, LLC
T. 18 S., R. 28 E., Sec: 10
Unit:
MFC-1418
1500
950
27 min test terminated
Intrmd vent open to atmos during test - OK
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