District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
OWL SWD Operating, LLC 8214 Westchester Dr., Ste. 850 Dallas, TX 75255	308339
	3. API Number 30-025- 42981

4. Property Code	5. Property Name	6. Well No.
~~314743~~ 314793	Limestone SWD	2

7. Surface Location
(To be verified by field survey)

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	12	23S	34E		244	FNL	626	FEL	LEA

8. Proposed Bottom Hole Location
(To be verified by field survey)

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	12	23S	34E		247	FNL	626	FEL	LEA

9. Pool Information

Pool Name	Pool Code
SWD; Devonian	96101

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
N	SWD	R	P	3364'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
No	16,215'	Siluro-Devonian	Premier Drilling	11/15/2015

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water
250'	>1 mile	n/a

☐ **We will be using a closed-loop system in lieu of lined pits**

SWD-1605

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24.0"	20.0"	133 lb/ft	1800'	2255 sx	Surface
Intermed 1	17.5"	13.625"	88.2 lb/ft	5350'	4304 sx	Surface
Intermed 2	12.25"	9.875"	62.8 lb/ft	11,415'	2188 sx	Surface
Production	8.5"	7.0"	32 lb/ft	15,215'	610 sx	11,215'

Casing/Cement Program: Additional Comments

5.875" Openhole completion from 15,215' to 16,215'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	10000	10000	Cameron

E-PERMITTING - - New Well ___ TA ___ Loc Chng ___ Add New Well ___ Create Pool ___
Comp ___ P&A ___
CSNG ___
ReComp ___
Cancl Well ___

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.
Signature: Ben Stone

Printed name: Ben Stone
Title: Agent for Owl SWD Operating, LLC
E-mail Address: ben@sosconsulting.us
Date: ~~9/02/2015~~ 10/08/15 Phone: 903-488-9850

OIL CONSERVATION DIVISION

Approved By:
Title: Petroleum Engineer
Approved Date: 12/21/15 Expiration Date: 12/21/17
Conditions of Approval Attached

DEC 21 2015

Owl SWD Operating, LLC
Limestone SWD Well No.2
244' FNL & 626' FEL
Section 12, Twp 23-S, Rng 34-E
Lea County, New Mexico

Well Program - New Drill

Objective: Drill new well for commercial salt water disposal into the Siluro-Devonian formation.

1. **Geologic Information** – Siluro-Devonian Formation

The rocks immediately underlying the Upper Devonian Woodford shale and the pre-Woodford unconformity in Lea County have been commonly labelled "Devonian." However, recent biostratigraphic work has revealed these rocks are actually comprised of the Lower Devonian Thirtyone formation in southeastern Lea County and, where the Thirtyone has been removed by pre-Woodford erosion, the subjacent Upper Silurian Wristen group,.

The Thirtyone consists of siliceous carbonates and calcareous chert. It was deposited contemporaneously with the famous Caballos Novaculite of the Marathon region.

The Wristen group is divided into a basal Wink member, the Frame member, and the uppermost Faskin formation. The Wink is a gray limestone with some terrigenous clay and silt. It is characteristically more radioactive on gamma ray logs than the underlying Fusselman formation. The Wink grades upwards into the siltier and more argillaceous Frame member. The uppermost member of the Wristen group, the Fasken formation, contains most of the hydrocarbon reservoirs. The Faskin is made up of wackestones, grainstones, and boundstones, and forms platform-margin buildups in Texas. Karst-related features and dolomite are common.

The Limestone SWD No.2 is expected to encounter the top of the Siluro-Devonian at a measured depth of 15208 feet. The injection interval will extend from this point to the top of the Fusselman, which is expected to be encountered at a measured depth of 16,348 feet.

Estimated Formation Tops:

Fresh Water	252'
T/Rustler	1976'
T/Salado	3340'
Lamar	5359'
Bone Spring	8619'
3rd Bone Spring	10,612'
Morrow	13,830'
Mississippian Lime	14,548'
Woodford	14,974'
Devonian	15,208'
TD	16,215'
Fusselman	16,348'

Well Program - New Drill (cont.)

2. **Drilling Procedure**

   a. MIRU drilling rig and associated equipment. Set up H_2S wind direction indicators; brief all personnel on Emergency Evacuation Routes.
   b. All contractors conduct safety meeting prior to current task. All equipment inspected daily. Repair / replace as required.
   c. Well spud operations commence.
   d. Mud logger monitoring returns; cuttings & waste hauled to specified facility. (Sundance, Lea County)
   e. After surface casing set/drilled; if H_2S levels >20ppm detected, implement H_2S Plan accordingly. (e.g., cease operations, shut in well, employ H_2S safety trailer & personnel safety devices, install flare line, etc. - refer to plan.)
   f. Spills contained & cleaned up immediately. Repair or otherwise correct the situation within 48 hours before resuming operations. Notify OCD within 24 hours. Remediation started ASAP if required. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as appropriate.
   g. Sundry forms filed as needed - casing, cement, etc. - operations continue to completion.

3. **Casing program** - Casing designed as follows:

STRING	HOLE SZ	DEPTH	CSG SZ	COND	WT/GRD	CLLPS/BR	TNSN
Surface	24.0"	0-1,800'	20.0"	New	133.0 lb. J/K-55 ST&C	1.51/1.02	1.8
Intermediate	17.5"	0-5,350'	13.625"	New	88.2 lb. P-110 BT&C	1.52/1.31	1.8
2nd Inter	12.25"	0-11,415'	9.875"	New	62.8 lb. P-110 BT&C	1.52/1.27	1.8
Prod/ Liner*	8.5"	11,215'-15,215'	7.0"	New	32.0 lb. P-110 BT&C	1.13/1.22	1.8
Openhole*	6.0" hole	15,215'-16,500'	OH	n/a	n/a	n/a	n/a

Notes:

- ✓ On both Intermediate casing strings, the cement will be designed to circulate to surface. Both strings will have cement bond logs run (radial, CET or equivalent) to surface.
- ✓ While running all casing strings, the pipe will be kept a minimum of 1/3 full at all times to avoid approaching the collapse pressure of casing.
- ✓ * Based on mudlogging and e-logs, 7.0" casing shoe may be set between 15,000' and 15,400'. Similarly, TD may be from 16,000' to 16,500' as determined by logging and suitable porosity has been exposed. IN ANY EVENT, maximum openhole interval would be from 15,000' to 16,500'.

4. **Cementing Program:**

Surface – LEAD 1350 sx (13.5#; 1.76 ft^3/sk); TAIL 905 (14.8#; 1.34 ft^3/sk) w/ 100 % excess; circulated to surface

1st Intermediate – LEAD 3675 sx (12.7#; 1.94 ft^3/sk); TAIL 629 sx (14.8#; 1.33 ft^3/sk) 100% excess; circulated to surface

2nd Intermediate – LEAD 1950 sx (11.9#; 2.45 ft^3/sk); TAIL 238 sx (14.2#; 1.27 ft^3/sk) 50% excess; circulated to surface.

Production Liner – 610 sx (14.2#; 1.27 ft^3/sk) 50% excess; TOC = 11,215' calc.

Well Program - New Drill (cont.)

5. **Pressure Control** - BOP diagram is attached to this application. All BOP and related equipment shall comply with well control requirements as described NMOCD Rules and Regulations and API RP 53, Section 17. Minimum working pressure of the BOP and related equipment required for the drillout shall be 5000 psi. The NMOCD Hobbs district office shall be notified a minimum of 4 hours in advance for a representative to witness BOP pressure tests. The test shall be performed by an independent service company utilizing a test plug (no cup or J-packer). The results of the test shall be recorded on a calibrated test chart submitted to the OCD district office. Test shall be conducted at:

a. Installation;
b. after equipment or configuration changes;
c. at 30 days from any previous test, and;
d. anytime operations warrant, such as well conditions

6. **Mud Program & Monitoring** - Mud will be balanced for all operations as follows:

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0-1800'	FW Spud Mud	8.5-9.2	70-40	20	12	NC	10.0
1800'-5350'	Brine Water	9.8-10.2	28-32	NC	NC	NC	10.0
5350'-11,415'	FW/Gel	8.7-9.0	28-32	NC	NC	NC	9.5-10.5
11,415'-15,215'	XCD Brine Mud	11.0-	45-48	20	10	<5	9.5-10.5
15,215'-16,215'	FW Mud	8.4-8.6	28-30	NC	NC	NC	9.5-10.5

Mud and all cuttings monitored w/ cuttings recovered for disposal. Returns shall be visually and electronically monitored. In the event of H2S, mud shall be adjusted appropriately by weight and H2S scavengers.

7. **Auxiliary Well Control and Monitoring** – Hydraulic remote BOP operation, mudlogging to monitor returns.

8. **H_2S Safety** - This well and related facilities are not expected to have H2S releases. However, there may be H2S in the area. There are no private residences or pubic facilities in the area but a contingency plan has been developed. Owl SWD Operating, LLC will have a company representative available to personnel throughout all operations. If H2S levels greater than 10ppm are detected or suspected, the H2S Contingency Plan will be implemented at the appropriate level.

H2S Safety - There is a low risk of H2S in this area. The operator will comply with the provisions of 19.15.11 NMAC.

a) Monitoring - all personnel will wear monitoring devices.

b) Warning Sign - a highly visible H2S warning sign will be placed for obvious viewing at the vehicular entrance point onto location.

c) Wind Detection - two (2) wind direction socks will be placed on location.

d) Communications - will be via cellular phones and/or radios located within reach of the driller, the rig floor and safety trailer when applicable.

Well Program - New Drill (cont.)

e) Alarms - will be located at the rig floor, circulating pump / reverse unit area and the flareline and will be set for visual (red flashing light) at 15 ppm and visual and audible (115 decibel siren) at 20 ppm.

f) Mud program - If H2S levels require, proper mud weight, safe drilling practices and H2S scavengers will minimize potential hazards.

g) Metallurgy - all tublars, pressure control equipment, flowlines, valves, manifolds and related equipment will be rated for H2S service if required.

The Owl SWD Operating, LLC H2S Contingency Plan will be implemented if levels greater than 10ppm H2S are detected.

9. **Logging, Coring and Testing** – Owl SWD Operating expects to run;

a. CBL (Radial, CET or equivalent) on both intermediate casing strings.
b. Standard porosity log suite from TD to approximately 14,500'.
c. No corings or drill tests will be conducted. (The well may potentially be step rate tested in the future if additional injection pressures are required.)

10. **Potential Hazards** - No abnormal pressures or temperatures are expected.

No loss of circulation is expected to occur with the exception of drilling into the target disposal zone. All personnel will be familiar with the safe operation of the equipment being used to drill this well.

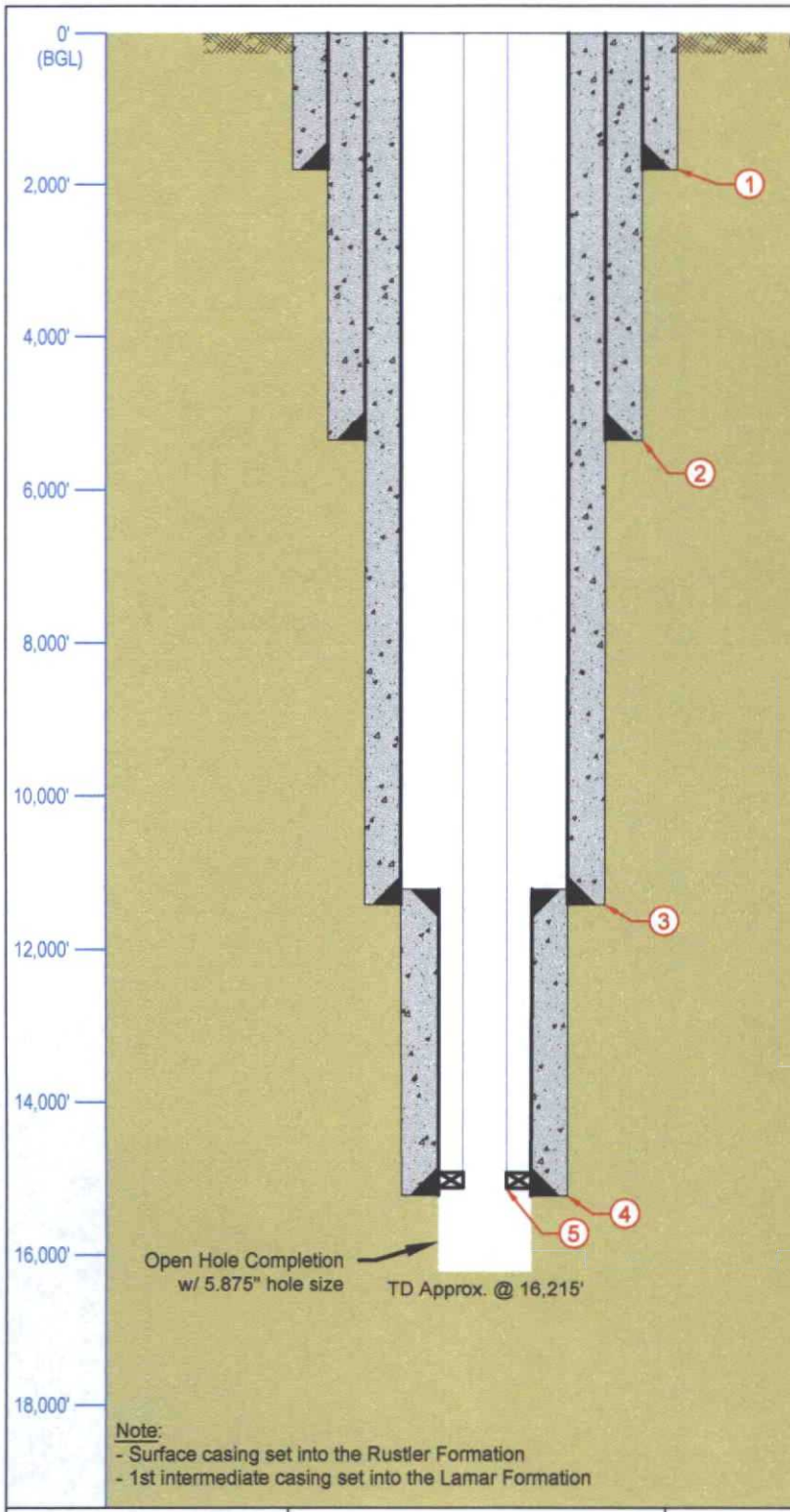
The maximum anticipated bottom-hole pressure is 8900 psi and the maximum anticipated bottom-hole temperature is 180° F.

11. **Waste Management** - All drill cuttings and other wastes associated with and drilling operations will be transported to the Lea County Sundance facility (or alternate), permitted by the Environmental Bureau of the New Mexico Oil Conservation Division.

12. **Anticipated Start Date** - Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take six to seven weeks. Installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment. At the time of this submittal, and subject to the availability of the drilling contractor, the anticipated start date is:

November 15, 2015.

13. **Configure for Salt Water Disposal** – Subsequent to SWD permit approval from OCD and prior to commencing any work, an NOI sundry(ies) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per BLM and OCD test procedures. (Notify BLM and NMOCD 24 hours prior.) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity. Anticipated daily maximum volume is 20,000 bpd and average of 15,000 bpd at a maximum surface injection pressure of 3043 psi (0.2 psi/ft to uppermost injection interval, i.e., casing shoe). If satisfactory disposals rates cannot be achieved at default pressure of .2 psi/ft, Owl Oil and Gas, LLC will conduct a step-rate test and apply for an injection pressure increase 50 psi below parting pressure.



Note:
- Surface casing set into the Rustler Formation
- 1st intermediate casing set into the Lamar Formation

Casing Information

Label	1	2	3	4
Type	Surface	Intermediate 1	Intermediate 2	Production Liner
OD	20"	13.625"	9.875"	7"
WT	0.635"	0.625"	0.625"	0.453"
ID	18.730"	12.375"	8.625"	6.094"
Drift ID	18.542"	12.219"	8.469"	5.969"
COD	21"	14.375"	10.625"	7.656"
Weight	133 lb/ft	88.2 lb/ft	62.8 lb/ft	32 lb/ft
Grade	J/K-55, ST&C	P-110, BT&C	P-110, BT&C	P-110, BT&C
Hole Size	24"	17.500"	12.250"	8.500"
Depth Set	1,800'	5,350'	11,415'	11,215' - 15,215'

Proposed Cement Information

Label	1	2	3	4
Lead Cement	13.5 lb/gal 1.758 cf/sk	12.7 lb/gal 1.941 cf/sk	11.9 lb/gal 2.448 cf/sk	14.2 lb/gal 1.271 cf/sk
Lead Cement Volume	1,350 sks	3,675 sks	1,950 sks	610 sks
Tail Cement	14.8 lb/gal 1.341 cf/sk	14.8 lb/gal 1.332 cf/sk	14.2 lb/gal 1.267 cf/sk	None
Tail Cement Volume	905 sks	629 sks	238 sks	None
TOC	Surface	Surface	Surface	11,215'
Cement Excess	100%	100%	50%	50%

Tubing Information

Label	5	5
Type	Production Tubing	Production Tubing
OD	5.500"	5.500"
WT	0.361"	0.415"
ID	4.778"	4.670"
Drift ID	4.653"	4.545"
COD	6.050"	5.500"
Weight	20 lb/ft	23 lb/ft
Grade	P-110, BT&C	P-110, flush joint
Depth Set	11,215'	11,215' - 15,115'

LONQUIST & CO. LLC
PETROLEUM ENGINEERS | ENERGY ADVISORS
AUSTIN | WICHITA
HOUSTON | CALGARY

Texas License F-8952

3345 Bee Cave Road, Suite 201
Austin, Texas 78746
Tel: 512.732.9812
Fax: 512.732.9816

OWL SWD Operating, Inc.

Limestone SWD No. 2

Country: USA	**State/Province:** New Mexico	**County/Parish:** Lea
Survey/STR: 12-23S-34E	**Site:**	**Status:** To Be Drilled
API No.: 30-025-	**Field:** Devonian	**Ground Elevation:**
State ID No.:	**Project No:** 1249	**Date:** 9-22-15
Drawn: MMC	**Reviewed:** SLP	**Approved:** SLP
Rev No:	**Notes:**	

APD Calulation Summary - C295:K384.

2nd Dia

20	surface csg in a	24	inch hole.		Design Factors		SURFACE	
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	133.00	K 55	ST&C	5.23	1.51	1.02	1,800	239,400
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,357			Tail Cmt	does not	circ to sfc.	Totals:	1,800	239,400

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
24	0.9599	2255	3587	1804	99	10.60	1825	2M	1.50

3rd Dia

13 5/8	casing inside the	20			Design Factors		INTERMEDIATE	
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	88.20	P 110	BUTT	4.58	1.52	1.31	5,350	471,870
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	5,350	471,870
The cement volume(s) are intended to achieve a top of				0	ft from surface or a		1800	overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6578	4304	7971	3994	100	10.80	4249	5M	8.75

4th Dia

9 7/8	casing inside the	13 5/8			Design Factors		PRODUCTION	
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	62.80	P 110	BUTT	2.21	1.52	1.27	11,415	716,862
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,511						Totals:	11,415	716,862
The cement volume(s) are intended to achieve a top of				0	ft from surface or a		5350	overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
12 1/4	0.2866	2188	5075	3379	50	11.40	6216	10M	0.81

Class 'H' tail cmt yld > 1.20 — MASP is within 10% of 5000psig, need exrta equip?

5th Dia

7	Liner w/top @	11215			Design Factors		LINER	
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	Weight
"A"	32.00	P 110	BUTT	2.11	1.13	1.22	4,000	128,000
"B"							0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 3,347						Totals:	4,000	128,000
The cement volume(s) are intended to achieve a top of				11215	ft from surface or a		200	overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
8 1/2	0.1268	610	775	518	50	12.10			0.422

Capitan Reef est top XXXX. — MASP is within 10% of 5000psig, need exrta equip?

Certificate of Compliance

Work Order: 24263 **Date:** 05-Mar-12

Customer Name: Precision Drilling Oilfield

Contact: Raymond

Customer PO: N/A

AcceptanceCodes: ASAP's Quality Management System

Item: 01 **Qty:** 1 HeatNo: N/A

PartNo: SN-CP161282/3 Dwg No: N/A Material Spec: N/A

Description: ASSET# 635-090-082, 13-5/8" 10,000 FLANGED x FLANGED TYPE "U" DOUBLE WITH (4) 4-1/16" 10,000 FLANGED SIDE OUTLETS WITH BLIND FLANGES INSTALLED ON OUTLETS. NO RAMS

QP: N/A

Quality Assurance

Comments: RIG# 33

Statement: This is to certify that all items were manufactured and inspected in accordance with all applicable instructions, specifications and drawings as specified by the Purchase Order.

Certificate of Compliance

Work Order: 24263 **Date:** 05-Mar-12

Customer Name: Precision Drilling Oilfield

Contact: Raymond

Customer PO: N/A

AcceptanceCodes: ASAP's Quality Management System

Item: 01 **Qty:** 1 HeatNo: N/A

PartNo: SN-CP161282/3 Dwg No: N/A Material Spec: N/A

Description: ASSET# 635-090-082, 13-5/8" 10,000 FLANGED x FLANGED TYPE "U" DOUBLE WITH (4) 4-1/16" 10,000 FLANGED SIDE OUTLETS WITH BLIND FLANGES INSTALLED ON OUTLETS. NO RAMS

QP: N/A

Quality Assurance

Comments: RIG# 33

Statement: This is to certify that all items were manufactured and inspected in accordance with all applicable instructions, specifications and drawings as specified by the Purchase Order.

Certificate of Compliance

Work Order: 24662 **Date:** 16-Mar-12

Customer Name: Precision Drilling Oilfield

Contact: Raymond

Customer PO: 859118

AcceptanceCodes: ASAP's Quality Management System

Item: 01 **Qty:** 1 **HeatNo:** N/A

PartNo: SN-CP160026/1 Dwg No: N/A Material Spec: N/A

Description: RIG#95, ASSET# GWD-085-254, 13-5/8" 10,000 TYPE "U" SINGLE WITH FLANGE BOTTOM AND STUDDED TOP, WITH (2) 4-1/16" 10,000 STUDDED SIDE OUTLETS WITH BLIND FLANGES INSTALLED

QP: N/A

Quality Assurance

Comments: RECERTIFIED PER API RP-53

Statement: This is to Certify that all items were Manufactured and Inspected and are in conformance with the following specifications in accordance as per API RP-53

ASAP INDUSTRIES LLC

Work Order: 24662 **Date:** 16-Mar-12

Customer Name: Precision Drilling Oilfield

Contact: Raymond

Customer PO: 859118

AcceptanceCodes: ASAP's Quality Management System

Item: 01 **Qty:** 1

PartNo: SN-CP160026/1 Dwg No: N/A

Description: RIG#95, ASSET# GWD-085-254, 13-5/8" 10,000 TYPE "U" SINGLE WITH FLANGE BOTTOM AND STUDDED TOP, WITH (2) 4-1/16" 10,000 STUDDED SIDE OUTLETS WITH BLIND FLANGES INSTALLED

SerialNo: 24662-01-01

Certificate of Compliance

Work Order: 24662 **Date:** 16-Mar-12

Customer Name: Precision Drilling Oilfield

Contact: Raymond

Customer PO: 859118

AcceptanceCodes: ASAP's Quality Management System

Item: 01 **Qty:** 1 HeatNo: N/A

PartNo: SN-CP160026/1 Dwg No: N/A Material Spec: N/A

Description: RIG#95, ASSET# GWD-085-254, 13-5/8" 10,000 TYPE "U" SINGLE WITH FLANGE BOTTOM AND STUDDED TOP, WITH (2) 4-1/16" 10,000 STUDDED SIDE OUTLETS WITH BLIND FLANGES INSTALLED

QP: N/A

Quality Assurance

Comments: RECERTIFIED PER API RP-53

Statement: This Is to Certify that all items were Manufactured and Inspected and are in conformance with the following specifications in accordance as per API RP-53

ASAP INDUSTRIES

908 Blimp Rd.
Houma, La 70363
Phone: 985.851.7272
Fax: 985.851.7271

Quotation

Quote To: Precision Drilling
254 Stanford Dr.
Eunice, LA 70535

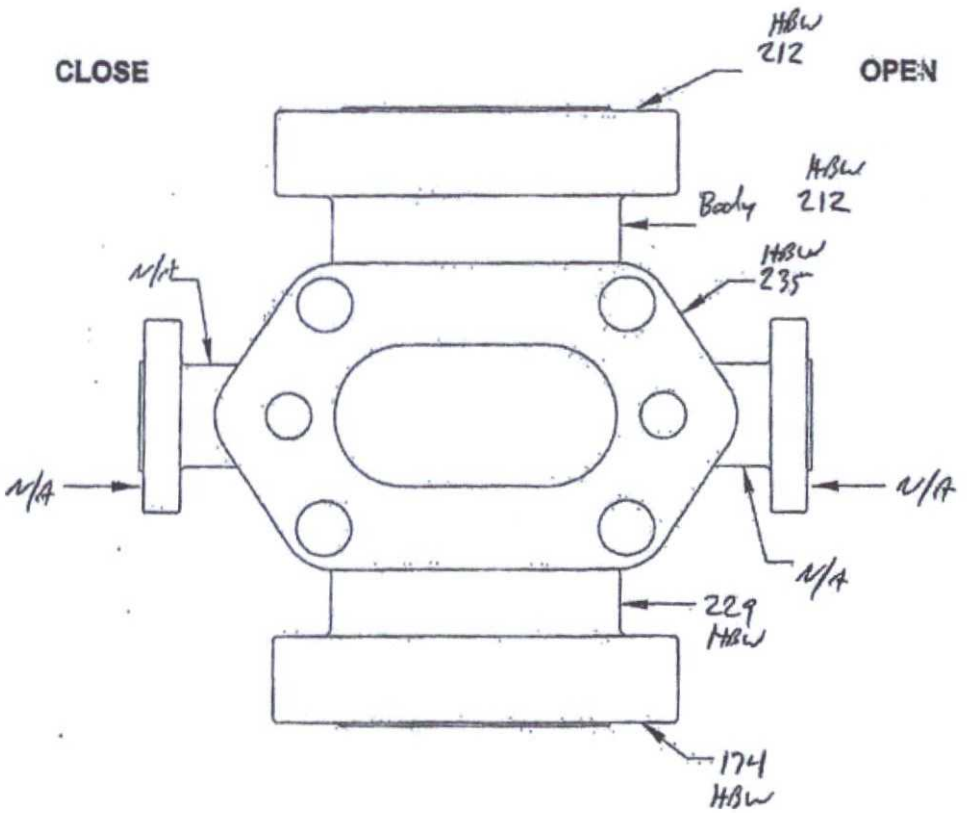
Quote Number:	32537			Contact:	Raymond
Quote Date:	03/12/12	Expires:	04/11/12	Inquiry:	
Customer:	PRE DRILLING			Terms:	Net 30
Salesman:	Steve Juckett			Phone:	(713) 356-7244
Ship Via:	OUR TRUCK			FAX:	

RIG #: 33 MTR: 16383

Item	Part Number / Description	Revision	Quantity	Price
1	SN-CP-160026/1 RIG# 95, ASSET# GWD-085-254, 13-5/8" 10,000 TYPE "U" SINGLE STUDDED TOP x FLANGED BOTTOM WITH (2) 4-1/16" 10,000 STUDDED SIDE OUTLETS WITH BLIND FLANGES INSTALLED ON OUTLETS AND ONE SET 5" PIPE RAMS. LABOR AND SHOP FACILITIES TO PERFORM THE FOLLOWING: OPEN DOORS STEAM CLEAN, DIMENSIONALLY AND VISUALLY INSPECT RAM CAVITIES. FLUSH OUT HYDRAULIC SYSTEM AND PERFORM HYDRAULIC FUNTION TEST. (NO RAMS) ADDITIONAL WORK PERFORMED: PERFORMED HYDRAULIC FUNTION TEST, FOUND THAT SEALS WERE LEAKING, NOTIFIED CUSTOMER. PROCEEDED TO DISASSEMBLE OF BONNET ASSEMBLIES AND INSTALL NEW OEM SEAL KITS, REINSTALLED BONNETS ON BODY AND PROCEEDED TO HYDRAULIC FUNTION TEST AND WELD BORE TEST. RECERTIFY PER API RP-53		1	
2	LABOR		1	
3	NEW OEM SEAL KITS ...NEW BONNET SEALS AND		1	

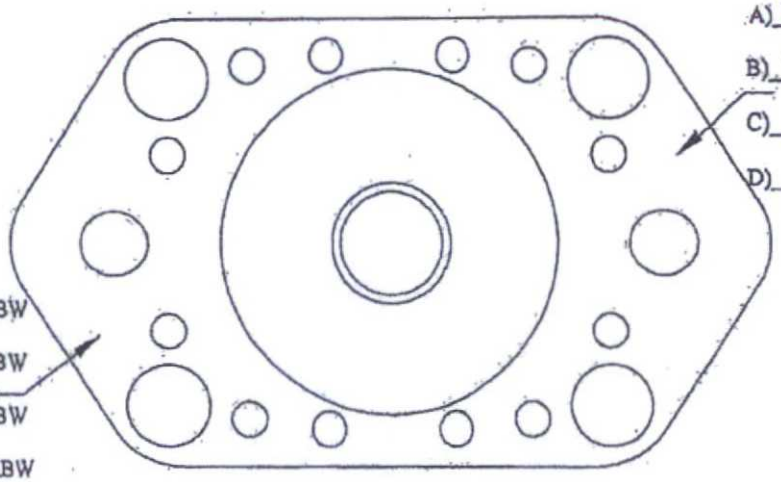
☐INITIAL ☒FINAL

CAMERON TYPE "U" SINGLE BODY



CUSTOMER:	Precision Drilling	W.O.#:	24662
PRODUCT DESCRIPTION:	13 5/8" 10,000		

CAMERON TYPE "U" BONNET HOUSING ☐INITIAL ☒FINAL



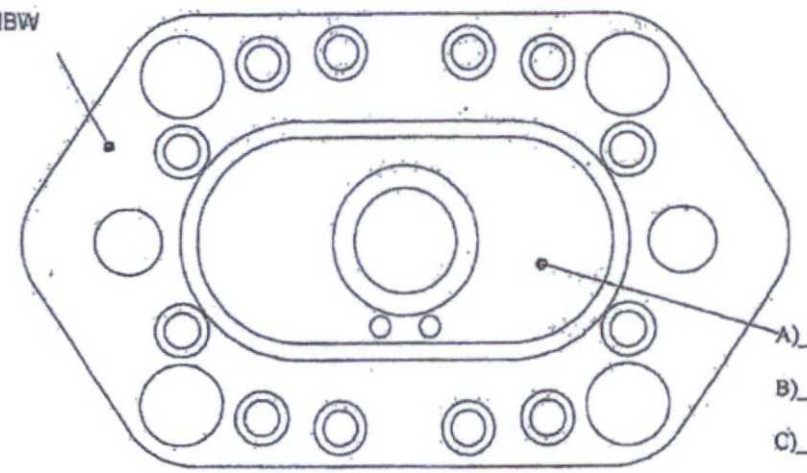
A) 229 HBW
B) 235 HBW
C) ____ HBW
D) ____ HBW

A) 229 HBW
B) 235 HBW
C) ____ HBW
D) ____ HBW

CUSTOMER:	Precision Drilling			W.O.#:	24662
PRODUCT DESCRIPTION:	13 5/8" 10,000				
QUANTITY:	2	SN	CP160026/1	P.O.#:	
TESTED BY:	T.L. P.L.			DATE:	

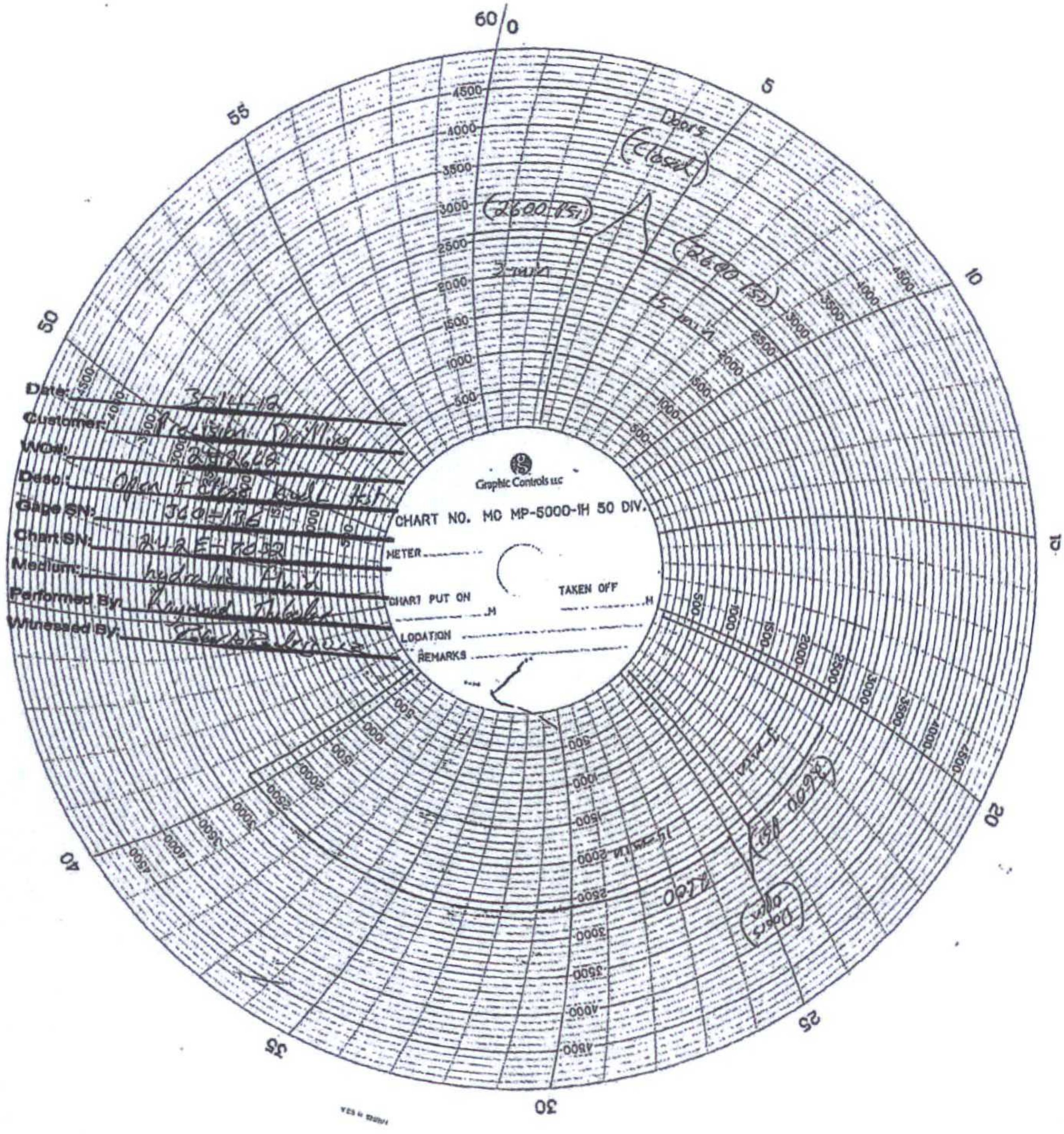
CAMERON TYPE "U" INTERMEDIATE FLANGE ☐INITIAL ☒FINAL

A) 229 HBW
B) 229 HBW
C) / HBW
D) / HBW

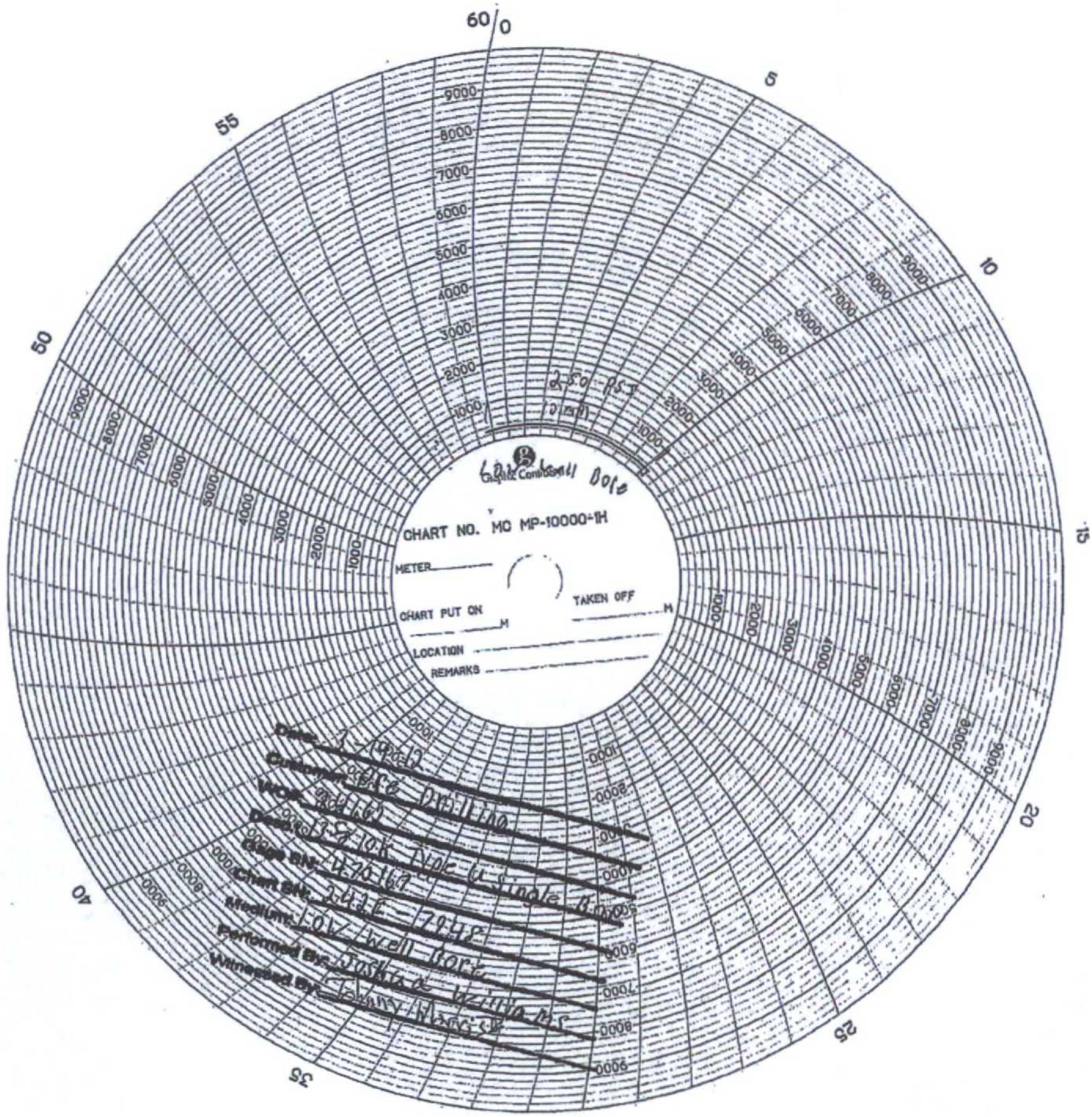


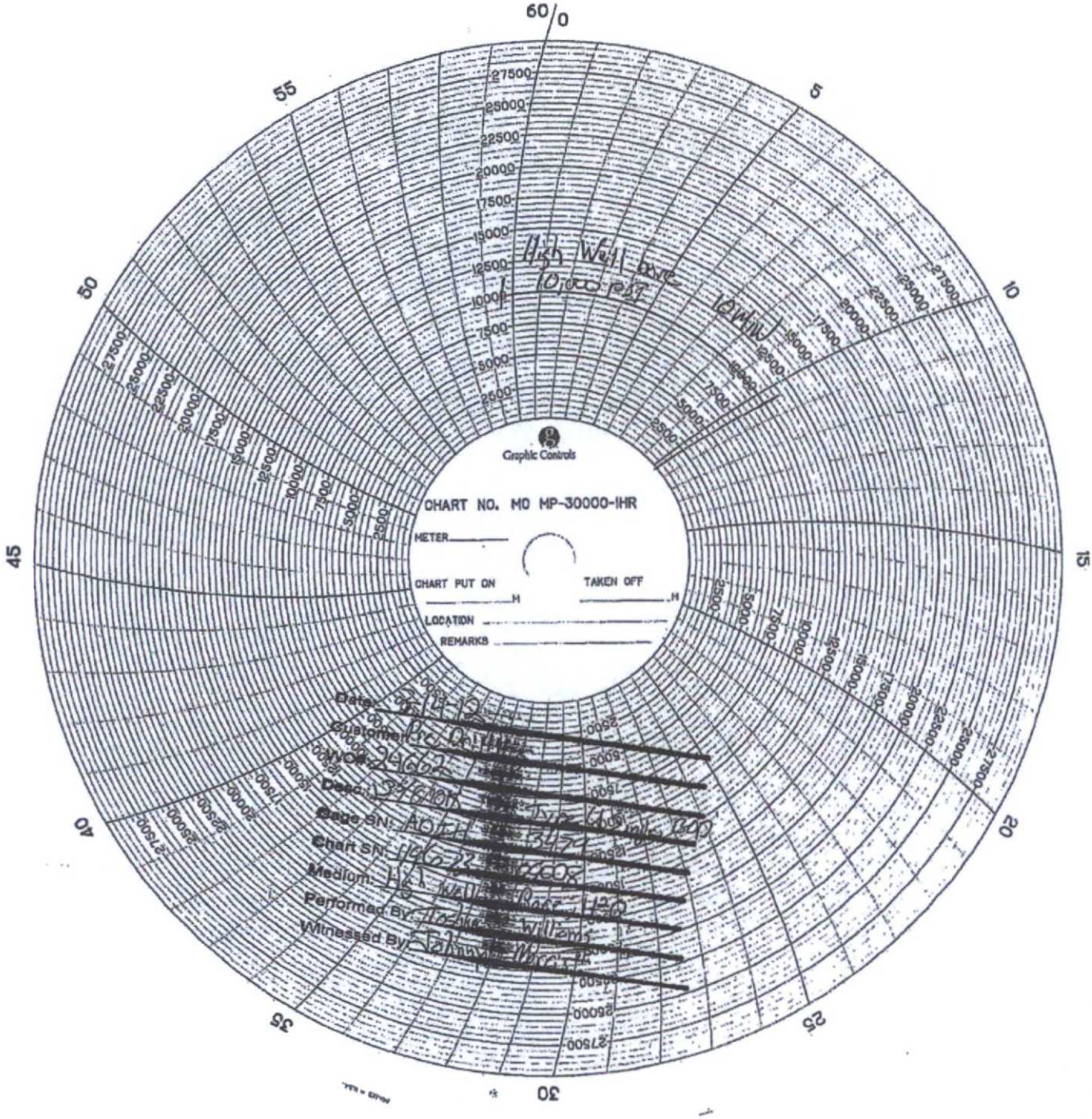
A) 229 HBW
B) 229 HBW
C) / HBW
D) / HBW

CUSTOMER:	Precision Drilling			W.O.#:	24662
PRODUCT DESCRIPTION:	13 5/8" 10,000				
QUANTITY:	2	SN	CP160026/1	P.O.#:	
TESTED BY:	TH DL...			DATE	



Graphic Controls LLC
CHART NO. MC MP-5000-1H 50 DIV.
METER
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS
Date:
Customer:
WO#:
Desc:
Gage SN:
Chart SN:
Medium:
Performed By:
Witnessed By:
Doors Closed
2600 PSI
15 min


60/0
CHART NO. MC MP-10000-1H
METER
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS
Date:
Customer:
WO#:
Desc.:
Gage SN:
Chart SN:
Medium:
Performed By:
Witnessed By:


Graphic Controls
CHART NO. MO MP-30000-IHR
METER
CHART PUT ON
TAKEN OFF
LOCATION
REMARKS
Date:
Customer:
WO#:
Desc:
Gage SN:
Chart SN:
Medium:
Performed By:
Witnessed By:

HSAP INDUSTRIES

Drift Test Report

Approved By: R. Bailey
Date: 11/21/08

Work Order No.: 24662
Customer: Pre Drilling
Date: 3-14-12

Desc: Type U Single BOP
Size: 13 5/8 WP: 10,000
Test Spec: SP 102 Rev: 1

Drift Gauge No: 5-008
Drift Size: 13 5/8
Performed By: Johnny L. Morris II
Results: Acceptable ☑ Reject ☐

MCM OIL TOOLS

10422 W. Gulf Bank Road
Houston, Texas 77040
Phone (713) 541-1212 Fax (713) 541-4664
Email: sales@mcmoiltools.com

Letter of Compliance and Conformance

Date:	01/25/12
Part Number:	FCHY411610DDS
Traceability Number:	05396-35
Description:	Gate Valve 4- 1/16" 10M, Cameron Style, Type 'FC', Hydraulic Operated Gate Valve, Matl. Class: 'DD' (H2S Service\Super Trim), Temp. Class: PU, PSL-1, PR-1, AP1 6A, Flanged End.
Serial #:	11-08-001, 11-08-007, 11-08-013, 11-08-018

MCM Oil Tools hereby certifies that the above listed Valves are API Monogramed conform to our Company Quality Control specifications and procedures and are in full compliance with API Spec 6A, 20th Edition, and NACE MR- 0175