

HOBBS OGD

AUG 16 2018

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

Carlsbad Field Office
OCD Hobbs

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

MIN F
SURF P

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM136221
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator MARATHON OIL PERMIAN LLC (32098)		7. If Unit or CA Agreement, Name and No.
3a. Address 5555 San Felipe St. Houston TX 77056		8. Lease Name and Well No. (322255) DOGIE DRAW FED COM 25 34 24H
3b. Phone No. (include area code) (713)629-6600		9. API Well No. 30-025-45091
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NWSW / 2600 FSL / 656 FWL / LAT 32.1302676 / LONG -103.4467036 At proposed prod. zone SWSW / 330 FSL / 661 FWL / LAT 32.1095211 / LONG -103.4466846		10. Field and Pool, or Exploratory (96340) RED HILLS / BONE SPRING, EAST
14. Distance in miles and direction from nearest town or post office* 64.7 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 14 / T25S / R34E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2600 feet	16. No. of acres in lease 160	12. County or Parish LEA
17. Spacing Unit dedicated to this well 240	13. State NM	
18. Distance from proposed location* to nearest well, drilling, completed, 30 feet applied for, on this lease, ft.	19. Proposed Depth 9529 feet / 16695 feet	20. BLM/BIA Bond No. on file FED: WYB002107
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3330 feet	22. Approximate date work will start* 01/12/2018	23. Estimated duration 30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature (Electronic Submission)	Name (Printed/Typed) Melissa Szudera / Ph: (713)296-3179	Date 12/14/2017
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Title
REGULATORY COMPLIANCE REPRESENTATIVE

Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Christopher Walls / Ph: (575)234-2234	Date 08/09/2018
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Title Petroleum Engineer	Office CARLSBAD
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Application approval 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.
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

6CP Rec 8/16/18

APPROVED WITH CONDITIONS
Approval Date: 08/09/2018

*(Instructions on page 2)

R2
08/16/18

Double Sided

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

1. SHL: NWSW / 2600 FSL / 656 FWL / TWSP: 25S / RANGE: 34E / SECTION: 14 / LAT: 32.1302676 / LONG: -103.4467036 (TVD: 0 feet, MD: 0 feet)
PPP: NWNW / 0 FSL / 660 FWL / TWSP: 25S / RANGE: 34E / SECTION: 23 / LAT: 32.1231221 / LONG: -103.4466796 (TVD: 9443 feet, MD: 11745 feet)
PPP: NWSW / 2310 FSL / 661 FWL / TWSP: 25S / RANGE: 34E / SECTION: 14 / LAT: 32.1294703 / LONG: -103.4466869 (TVD: 9408 feet, MD: 9979 feet)
BHL: SWSW / 330 FSL / 661 FWL / TWSP: 25S / RANGE: 34E / SECTION: 23 / LAT: 32.1095211 / LONG: -103.4466846 (TVD: 9529 feet, MD: 16695 feet)

BLM Point of Contact

Name: Katrina Ponder

Title: Geologist

Phone: 5752345969

Email: kponder@blm.gov

CONFIDENTIAL

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Operator Certification Data Report

08/10/2018

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Melissa Szudera

Signed on: 12/13/2017

Title: REGULATORY COMPLIANCE REPRESENTATIVE

Street Address: 5555 San Felipe St.

City: Houston

State: TX

Zip: 77057

Phone: (713)296-3179

Email address: mszudera@marathonoil.com

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Application Data Report

08/10/2018

APD ID: 10400025507

Submission Date: 12/14/2017

Operator Name: MARATHON OIL PERMIAN LLC

Highlighted data
reflects the most
recent changes

Well Name: DOGIE DRAW FED COM 23 24 14 AW

Well Number: 24H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

APD ID: 10400025507

Tie to previous NOS?

Submission Date: 12/14/2017

BLM Office: CARLSBAD

User: Melissa Szudera

Title: REGULATORY COMPLIANCE
REPRESENTATIVE

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM136221

Lease Acres: 160

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO

APD Operator: MARATHON OIL PERMIAN LLC

Operator letter of designation:

Operator Info

Operator Organization Name: MARATHON OIL PERMIAN LLC

Operator Address: 5555 San Felipe St.

Zip: 77056

Operator PO Box:

Operator City: Houston

State: TX

Operator Phone: (713)629-6600

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: DOGIE DRAW FED COM 23 24 14 AW

Well Number: 24H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: RED HILLS

Pool Name: BONE SPRING;
EAST

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Describe other minerals:

Is the proposed well in a Helium production area? N Use Existing Well Pad? NO New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: DOGIE Number: 220-S
DRAW FED COM

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 64.7 Miles

Distance to nearest well: 30 FT

Distance to lease line: 2600 FT

Reservoir well spacing assigned acres Measurement: 240 Acres

Well plat: App_2__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Cerfited_C_102_20180702145126.pdf

Well work start Date: 01/12/2018

Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 21653

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	260 0	FSL	656	FWL	25S	34E	14	Aliquot NWS W	32.13026 76	- 103.4467 036	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	333 0	0	0
KOP Leg #1	260 0	FSL	656	FWL	25S	34E	14	Aliquot NWS W	32.13026 76	- 103.4467 036	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 548 6	881 6	881 6
PPP Leg #1	231 0	FSL	661	FWL	25S	34E	14	Aliquot NWS W	32.12947 03	- 103.4466 869	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 136221	- 607 8	997 9	940 8

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FLD COMPLETION 24H

Well Number: 24H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	0	FSL	660	FWL	25S	34E	23	Aliquot NWN W	32.12312 21	- 103.4466 796	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132944	- 611 3	117 45	944 3
EXIT Leg #1	330	FSL	661	FWL	25S	34E	23	Aliquot SWS W	32.10952 11	- 103.4466 846	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132944	- 619 9	166 95	952 9
BHL Leg #1	330	FSL	661	FWL	25S	34E	23	Aliquot SWS W	32.10952 11	- 103.4466 846	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132944	- 619 9	166 95	952 9



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

08/10/2018

APD ID: 10400025507

Submission Date: 12/14/2017

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data:
release the data
recent changes

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	RUSTLER	2425	905	905	DOLOMITE, ANHYDRITE	OTHER : Brine	No
2	SALADO	1018	1408	1408	SALT, ANHYDRITE	OTHER : Brine	No
3	CASTILE	-1181	3607	3608	OTHER : Base Salt	OTHER : Brine	No
4	BASE OF SALT	-2705	5131	5132	OTHER : Limy Sands	OTHER : Brine	No
5	LAMAR	-2990	5416	5417	OTHER : Sand/Shales	OIL	No
6	BELL CANYON	-3021	5447	5448	OTHER : Sands/Shale	OIL	No
7	CHERRY CANYON	-4330	6756	6757	OTHER : Sands/Carbonates	OIL	No
8	BRUSHY CANYON	-5630	8056	8057	OTHER : Sands/Carbonate	OIL	No
9	BONE SPRING	-6939	9365	9383	OTHER : Sands/Carbonate	OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 15152

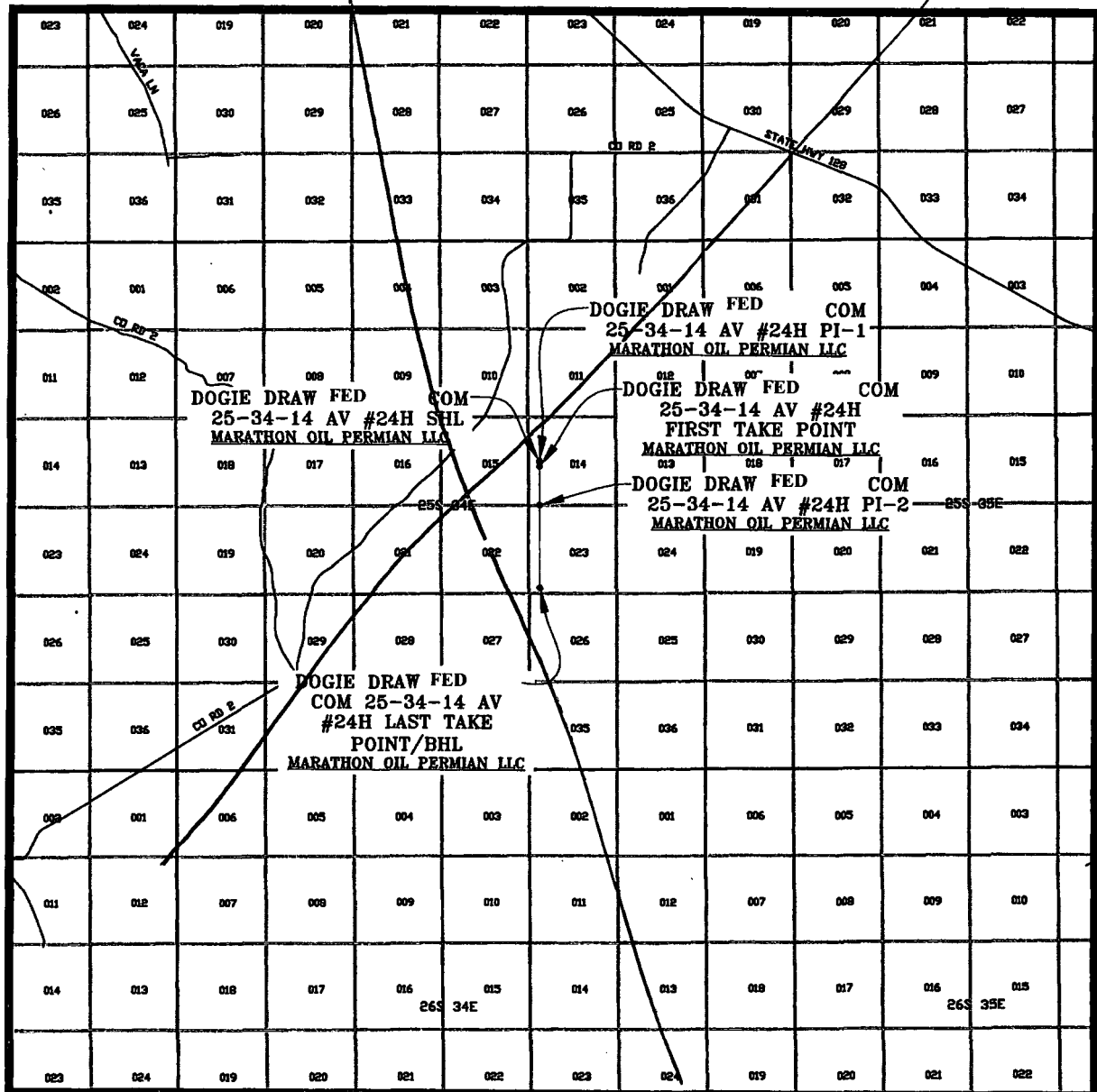
Equipment is 15,000 psi rated and Double BOP on all casing strings with minimum IOP of 5000.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.

Testing Procedure: - BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. - Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock, full opening safety valve / inside BOP and choke lines and choke manifold. See attached schematics. - Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. - A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to

VICINITY MAP



SEC. 14 TWP. 25-S RGE. 34-E
 SURVEY: N.M.P.M.
 COUNTY: LEA
 DESCRIPTION: 2600' FSL & 656' FWL
 ELEVATION: 3330'
 OPERATOR: MARATHON OIL PERMIAN LLC
 LEASE: DOGIE DRAW FED COM 25-34-14
 U.S.G.S. TOPOGRAPHIC MAP: WOODLEY FLAT, N.M.

SCALE: 1" = 2 MILES

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-8900 OFFICE
 JOB No. R3755_007

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

test pressure is broken the system must be tested. See attached schematic.

Choke Diagram Attachment:

Drill_2_Choke___Dogie_Draw_Fed_Com_25_34_14_Pad___Choke_and_Kill_Hoses_20180702145206.pdf

Drill_2_Choke___Dogie_Draw_Fed_Com_25_34_14_Pad___Choke_Line_System_20180702145215.pdf

Drill_2_Choke___Dogie_Draw_Fed_Com_25_34_14_Pad___Choke_Manifold_20180702145228.pdf

Drill_2_Choke_SUPO_9___Dogie_Draw_Fed_Com_25_34_14_Pad___Closed_Loop_System_Diagram_20180702145237.pdf

BOP Diagram Attachment:

Drill_2_BOP___Dogie_Draw_Fed_Com_25_34_14_AV_24H___5_M_BOPE_20180702145311.pdf

Drill_2_BOP___Dogie_Draw_Federal_Com_25_34_14_AV_24H___Well_Head_Attachment_20180702145320.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1000	0	1000	3330	2330	1000	J-55	54.5	BUTT	1.125	1.125	BUOY	1.8	BUOY	1.8
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5420	0	5420	3330	-2090	5420	K-55	40	BUTT	1.125	1.125	BUOY	1.8	BUOY	1.8
3	PRODUCTION	8.75	5.5	NEW	API	N	0	16695	0	9529	3330	-6199	16695	P-110	20	BUTT	1.125	1.125	BUOY	1.8	BUOY	1.8

Casing Attachments

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Drill_3__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Casing_Design_Limits__13.375_inch_20180702145348.pdf

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Drill_3__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Casing_Design_Limits__9.625_inch_20180702145401.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Drill_3__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Casing_Design_Limits__5.5_inch_20180702145422.pdf

Section 4 - Cement

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	800	636	1.75	13.5	1112	100	Class C	3 lbm/sk granular LCM + 0.1250 lbm/sk Poly-EFlake
SURFACE	Tail		800	1000	230	1.36	14.8	313	100	Class C	0.25 % Accelerator
INTERMEDIATE	Lead		0	4820	1420	1.73	12.8	2456	75	Class C	0.02 Gal/Sx Defoamer + 0.5% Extender + 1% Accelerator
INTERMEDIATE	Tail		4820	5420	240	1.33	14.8	320	50	Class C	0.07 % Retarder
PRODUCTION	Lead		5220	8800	536	2.81	11	1503	70	Class H	0.1% viscofier + 0.25 lb/sx defoamer + 5% retarder
PRODUCTION	Tail		8800	16695	2129	1.22	14.5	2603	30	Class H	2% extender + 0.25% defoamer + 0.5% fluid loss + 0.2% dispersant

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: The necessary mud products for additional weight and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: Losses or gains in the mud system will be monitored visually/manually as well as with an electronic PVT.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1000	5420	OTHER : Brine	9.9	10.2							

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1000	WATER-BASED MUD	8.4	8.8							
1250 0	1987 3	OIL-BASED MUD	12	12.5							
5420	1669 5	OTHER : Cut Brine	9	9.4							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None Planned.

List of open and cased hole logs run in the well:



Coring operation description for the well:

None Planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5240

Anticipated Surface Pressure: 3143.62

Anticipated Bottom Hole Temperature(F): 160

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Drill_7__Dogie_Draw_Fed_Com_25_34_14_Pad__H2S_Contingency_Plan_Diagram_20180702145504.pdf

Drill_7__Dogie_Draw_Fed_Com_25_34_14_Pad__H2S_Contingency_Plan_20180702145513.pdf

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Drill_8_PD__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Planned_Directional_20180702145607.pdf

Drill_8_PD__Dogie_Draw_Federal_Com_25_34_14_AV_24H__Planned_Directional_20180702152550.pdf

Drill_8_PD__Dogie_Draw_Fed_Com_25_34_14_Pad__Mineral_Ownership_Plat_20180703064450.pdf

Other proposed operations facets description:

- Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor unobstructed and readily accessible at all times.
- Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached. If Hydrogen Sulfide is encountered, measured amounts and formations will be reported to the BLM.

Potential Hazards:

- H2S detection equipment will be in operation after drilling out the surface casing shoe until the production casing has been cemented. Breathing equipment will be on location from drilling out the surface shoe until production casing is cemented. If H2S is encountered the operator will comply with Onshore Order #6.
- No abnormal temperatures or pressures are anticipated. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.
- No losses are anticipated at this time.
- All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well.
- Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

Other proposed operations facets attachment:

Drill_8__Dogie_Draw_Fed_Com_23_25_34_14_Wells_3__Gas_Capture_Plan__11_30_2017_20180702145646.pdf

Other Variance attachment:

Drill_8_OV__Batch_Drilling_Plan_and_Surface_Rig_Request_20180702085011.pdf

QUALITY CONTROL	No.: QC-DB- 380 / 2012
	Page : 1 / 61
Hose No.: 63389, 63390, 63391 63392, 63393	Revision : 0
	Date: 28. August 2012.
	Prepared by : <i>Scalá Linder</i>
	Appr. by: <i>Scalá Linder</i>

CHOKE AND KILL HOSES

id.: 3" 69 MPa x 35 ft (10,67 m)

DATA BOOK

Purchaser: H & P

Purchaser Order No.:


ContiTech Rubber Order No.: 531895

ContiTech Beattie Co. Order No.: 006227

NOT DESIGNED FOR WELL TESTING

CONTENT

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ContiTech Rubber
Industrial Kft.
Quality Control Dept.
(1)



Certificate of Registration

APIQR REGISTRATION NUMBER
0760

This certifies that the quality management system of
CONTITECH RUBBER INDUSTRIAL LTD.
Budapesti ut 10
Szeged
Hungary

*has been assessed by the American Petroleum Institute Quality Registrar (APIQR®) and
found it to be in conformance with the following standard:*

ISO 9001:2008

The scope of this registration and the approved quality management system applies to the
Design and Manufacture of High Pressure Hoses

APIQR® approves the organization's justification for excluding:
No Exclusions Identified as Applicable

COPY

Effective Date: October 15, 2010
Expiration Date: October 15, 2013
Registered Since: October 15, 2007

W. Dan Whitaker
Manager of Operations, APIQR

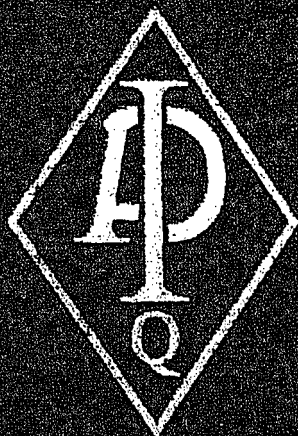
Accredited by Member of
the International
Accreditation Forum
Multilateral Recognition
Arrangement for Quality
Management Systems



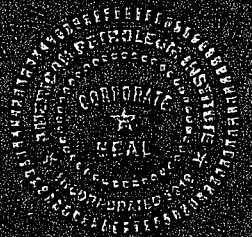
This certificate is valid for the period specified herein. The registered organizations must continually meet all requirements of APIQR's Registration Program and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001 standard requirements may be obtained by consulting the registered organization. This certificate has been issued from APIQR offices located at 1220 L Street, N.W., Washington, D.C. 20005-4070, U.S.A. It is the property of APIQR, and must be returned upon request. To verify the authenticity of this certificate, go to www.api.org/composelists.



2000-210 | 07.09 | 10



**American
Petroleum
Institute**



Certificate of Authority to use the Official API Monogram

License Number: 16C-0004

ORIGINAL

The American Petroleum Institute hereby grants to

CONTITECH RUBBER INDUSTRIAL LTD.

Budapesti ut 10

Szeged

Hungary

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API Spec 16C and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **16C-0004**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following product: Flexible Choke and Kill Lines

QMS Exclusions: No Exclusions Identified as Applicable

COPY

Effective Date: OCTOBER 15, 2010

Expiration Date: OCTOBER 15, 2013

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute

Director of Global Industry Services

**CONTITECH RUBBER
Industrial Kft.**

**No: QC-DB-380/2012
Page: 4/61**

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 1599	
PURCHASER: ContiTech Beattie Co.				P.O. N°: 006227	
CONTITECH ORDER N°: 531895		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 63393		NOMINAL / ACTUAL LENGTH: 10,67 m / 10,72 m			
W.P. 68,9 MPa	10000 psi	T.P. 103,4 MPa	15000 psi	Duration: 60	min.
<p>Pressure test with water at ambient temperature</p> <p style="text-align: center;">See attachment. (1 page)</p> <p>↑ 10 mm = 10 Min. → 10 mm = 20 MPa</p>					
COUPLINGS Type		Serial N°		Quality	
3" coupling with		2156 2153		AISI 4130	
4 1/16" 10K API Flange end				AISI 4130	
				Heat N°	
				20231	
				34031	
NOT DESIGNED FOR WELL TESTING				API Spec 16 C	
				Temperature rate:"B"	
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.					
COUNTRY OF ORIGIN HUNGARY/EU					
Date:		Inspector		Quality Control	
23. August 2012.				ContiTech Rubber Industrial Kft. Quality Control Dept. (1)	



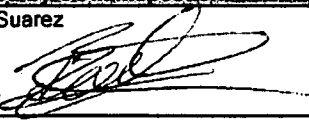
Hose Data Sheet

CRI Order No.	531895
Customer	ContiTech Beattie Co.
Customer Order No	PO6227 Pbc13080-H&P
Item No.	1
Hose Type	Flexible Hose
Standard	API SPEC 16 C
Inside dia in inches	3
Length	35 ft
Type of coupling one end	FLANGE 4 1/16" API SPEC 6A TYPE 6BX FOR 10000 PSI C/W BX155RING GROOVE
Type of coupling other end	FLANGE 4 1/16" API SPEC 6A TYPE 6BX FOR 10000 PSI C/W BX155 RING GROOVE
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St. steel outer wrap
Internal stripwound tube	No
Lining	OIL RESISTANT
Safety clamp	No
Lifting collar	No
Element C	No
Safety chain	No
Safety wire rope	No
Max.design temperature [°C]	100
Min.design temperature [°C]	-20
MBR operating [m]	1,60
MBR storage [m]	1,40
Type of packing	WOODEN CRATE ISPM-15

Certificate of Conformity



ContiTech

Certificate Number 953233-4	COM Order Reference 953233	Customer Name & Address HELMERICH & PAYNE DRILLING CO 1434 SOUTH BOULDER AVE TULSA, OK 74119 USA	
Customer Purchase Order No: 740053080			
Project:			
Test Center/Address ContiTech Oil & Marine Corp. 11535 Brittmoore Park Drive Houston, TX 77041 USA	Signed: Date: 5/11/17	Accepted by COM Inspection Roger Suarez 	Accepted by Client Inspection

We certify that the items detailed below meet the requirements of the customer's Purchase Order referenced above, and are in conformance with the specifications given below.

Item	Part No.	Description	Qty	Serial Number	Specifications
------	----------	-------------	-----	---------------	----------------

30	RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	63393	ContiTech Standard
----	---	---	-------	--------------------

Hydrostatic Test Certificate



ContiTech

Certificate Number 953233-4	COM Order Reference 953233	Customer Name & Address HELMERICH & PAYNE DRILLING CO 1434 SOUTH BOULDER AVE TULSA, OK 74119 USA
Customer Purchase Order No: 740053080		
Project:		
Test Center/Address ContiTech Oil & Marine Corp. 11535 Brittmoore Park Drive Houston, TX 77041 USA	Accepted by COM Inspection Signed: Roger Suarez Date: 5/11/17	Accepted by Client Inspection

We certify that the goods detailed hereon have been inspected as described below by our Quality Management System, and to the best of our knowledge are found to conform the requirements of the above referenced purchase order as issued to ContiTech Oil & Marine Corporation.

Item	Part No.	Description	Qty	Serial Number	Work Press	Test Press	Test Time (minutes)
30		RECERTIFICATION - 3" ID 10K Choke and Kill Hose x 35 ft OAL	1	63393	10,000 psi	15,000 psi	60

63393

3 4 5 6 AM

JOB# 48-20-1081
PBC# 955235
HOSE DESCRIPTION: 3" ID 10' cl. h. 71
TEST PRESSURE: 1500
CHART RECORDER # 111
CHART SETTING: 111
CBG REPRESENTATIVE: 6840 E. 1st St
DATE: 5-5-70

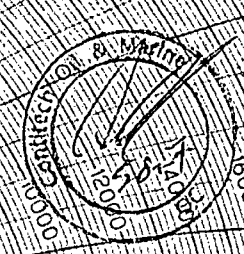
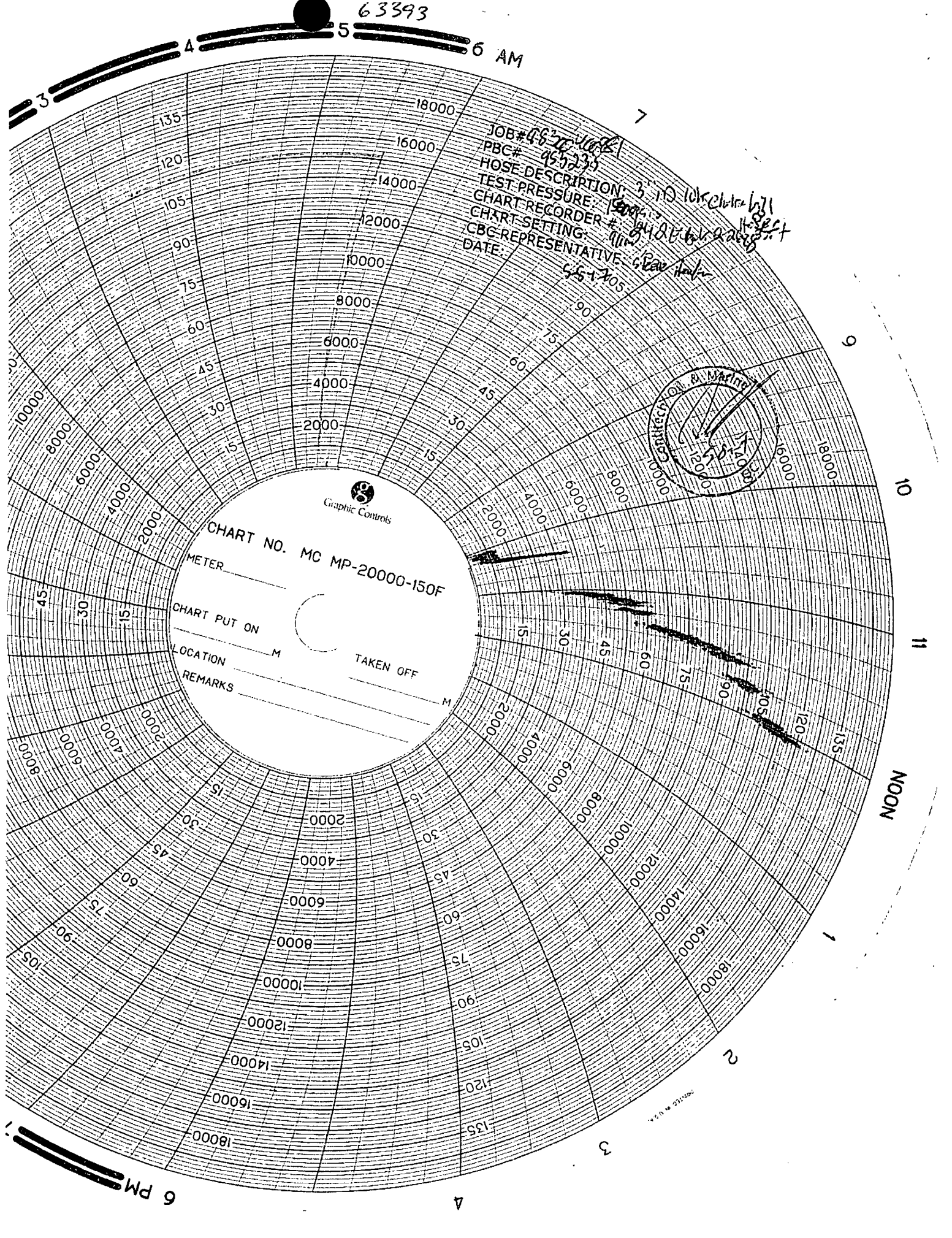


CHART NO. MC MP-20000-150F

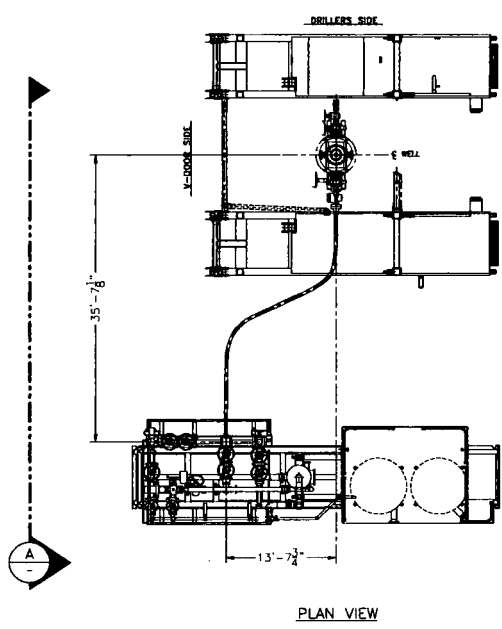
METER _____
CHART PUT ON _____ M
LOCATION _____
REMARKS _____
TAKEN OFF _____ M



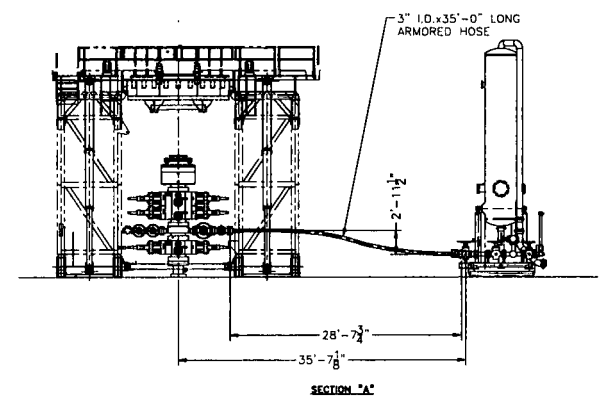
NOON

6 PM

4



PLAN VIEW



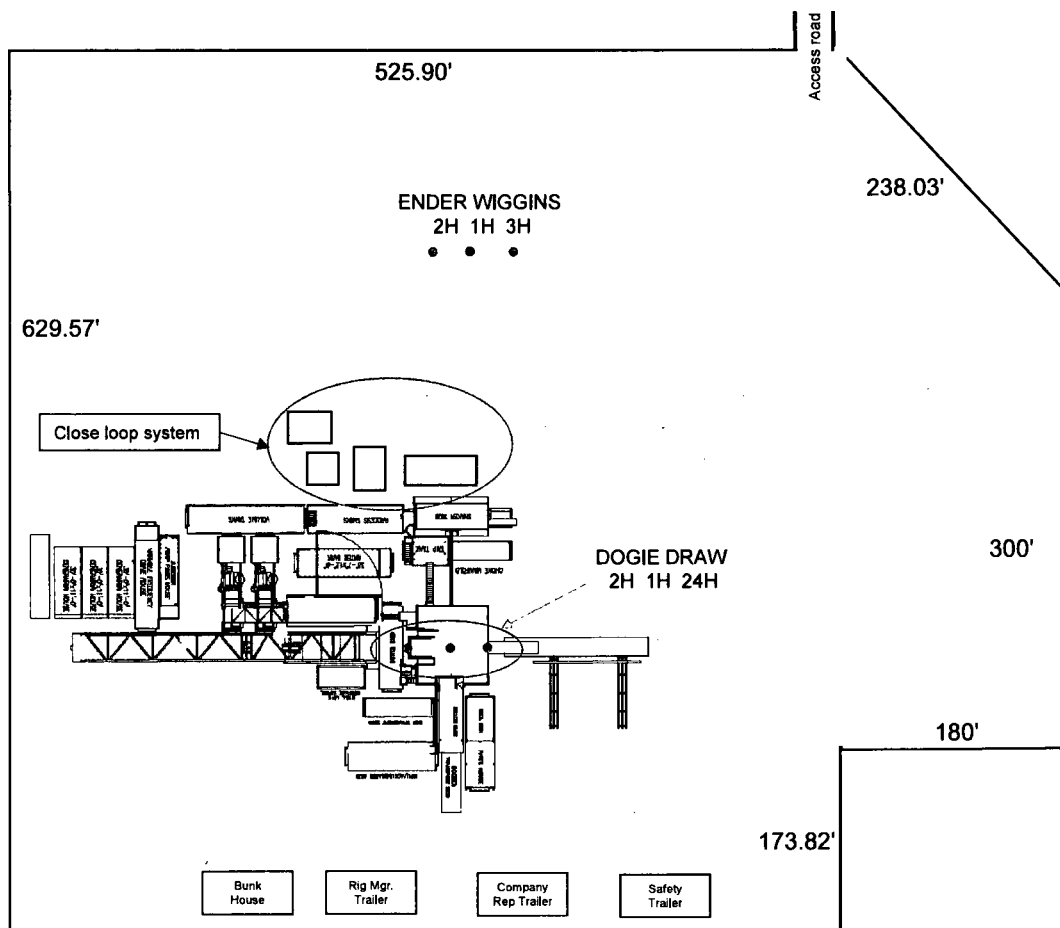
SECTION "A"

ISSUED FOR FABRICATION
 December-19-2007
 DRAFTSMAN _____
 ENGINEER _____

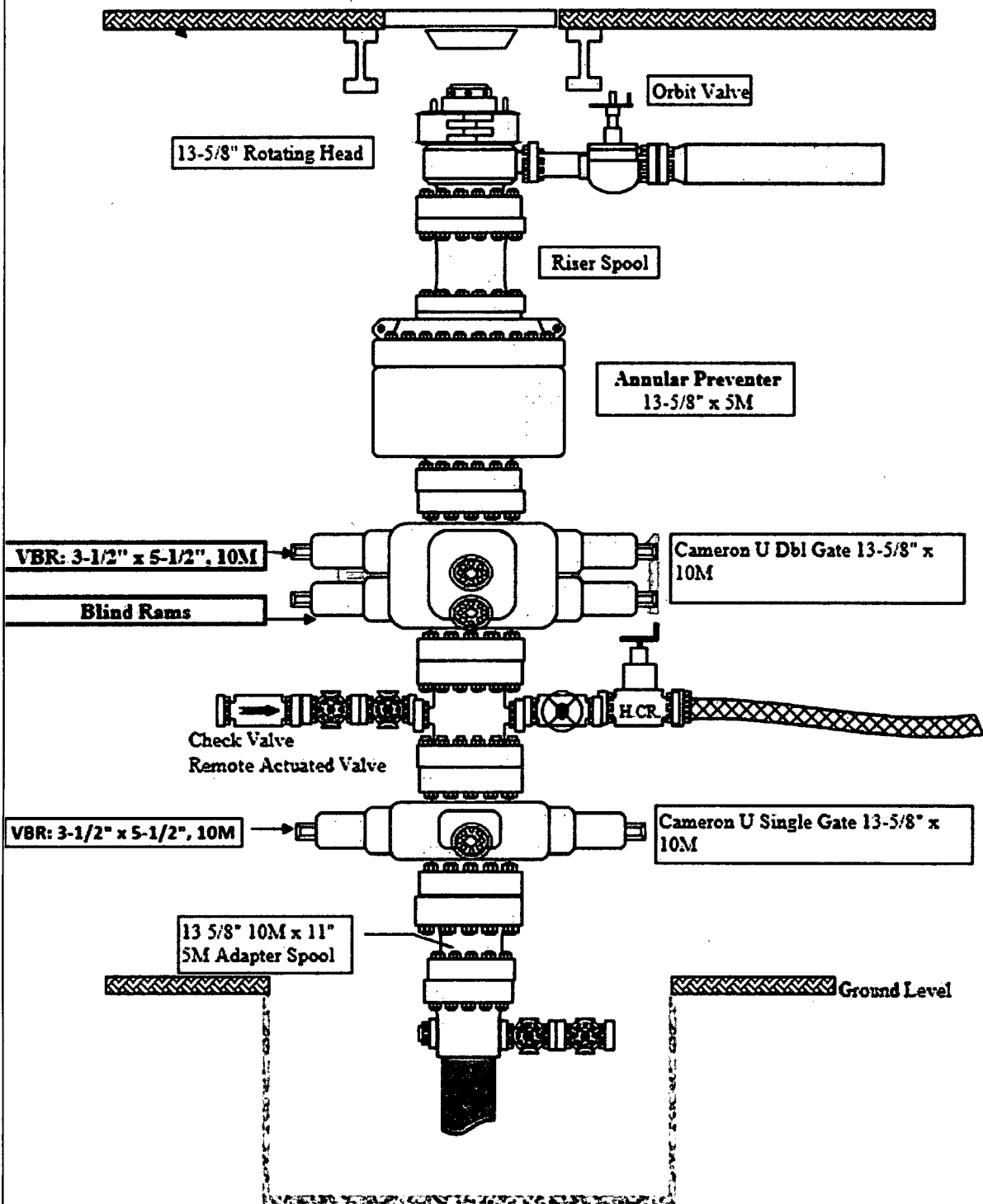
PROPRIETARY
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 WITHOUT THE WRITTEN CONSENT OF A QUALIFIED
 USER OFFICER OF HELMERICH & PAYNE INT'L DRILLING CO.

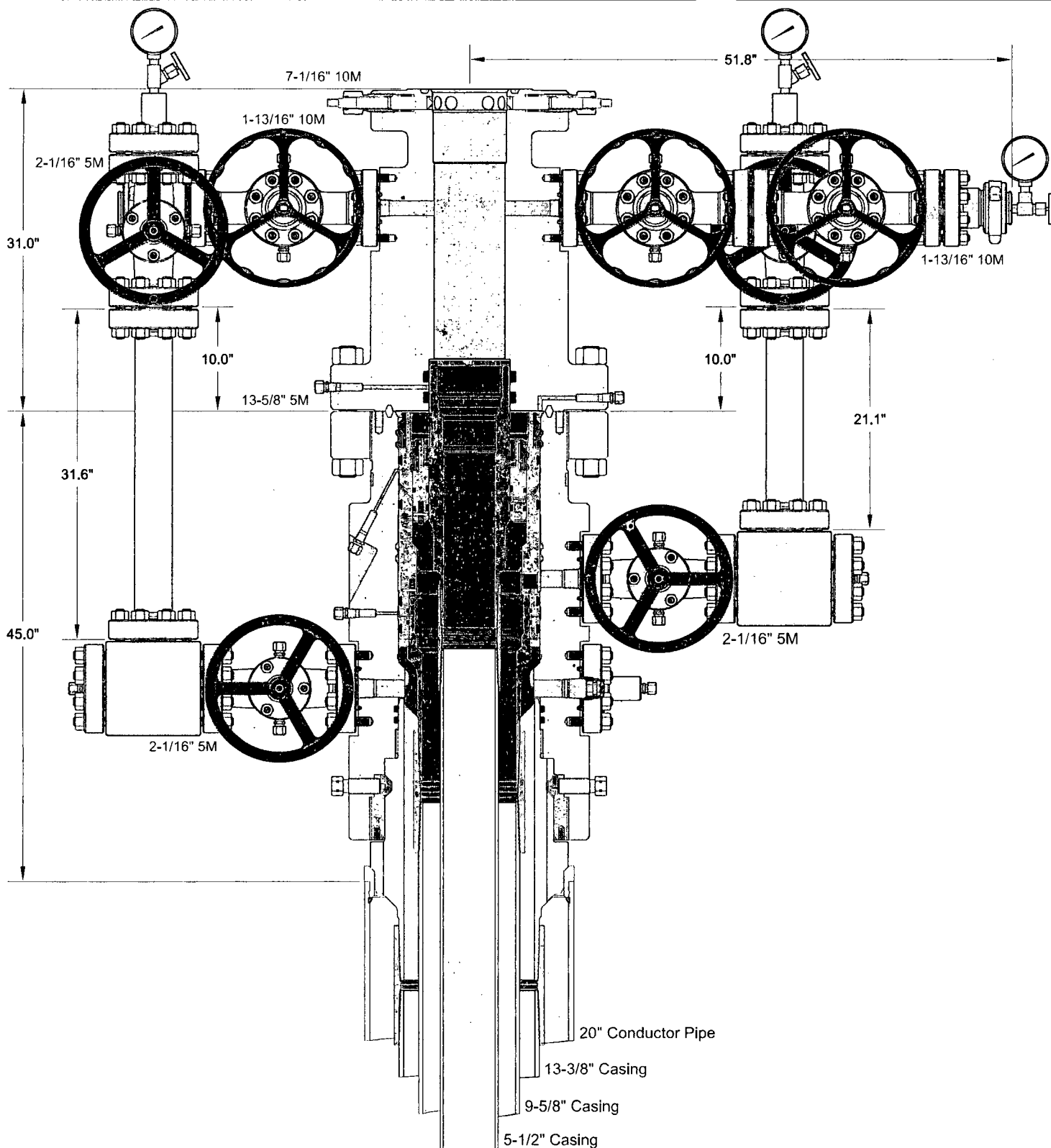
ENGINEERING APPROVAL		DATE	TITLE	
▲			HELMERICH & PAYNE INTERNATIONAL DRILLING CO.	
▲			CHOKE LINE SYSTEM FLEXRIC3	
▲			CUSTOMER	
▲			PROJECT	
▲	12/19/07	REMOVED SHEET TOTAL CALLOUT	BY	DRAWN JBC
REV	DATE	DESCRIPTION	BY	SCALE: 3/16"=1"
				DATE: 4-10-07
				DWG NO: 210-P1-07
				SHEET: 2 OF 3
				REV A

MARATHON OIL - DOGIE DRAW 1H, 2H, 24H / ENDER WIGGINS 1H, 2H, 3H PAD(Closed Loop System)



Operator : **Marathon Oil**
5M BOPE





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CACTUS WELLHEAD LLC

MARATHON OIL COMPANY
CARLSBAD, NM

13-3/8" x 9-5/8" x 5-1/2" 15M MBU-3T-CFL Wellhead Assembly
With 13-5/8" 5M x 7-1/16" 10M CTH-DBLHPS Tubing Head
and 9-5/8" & 5-1/2" Pin Down Casing Hangers

DRAWN
APPRV

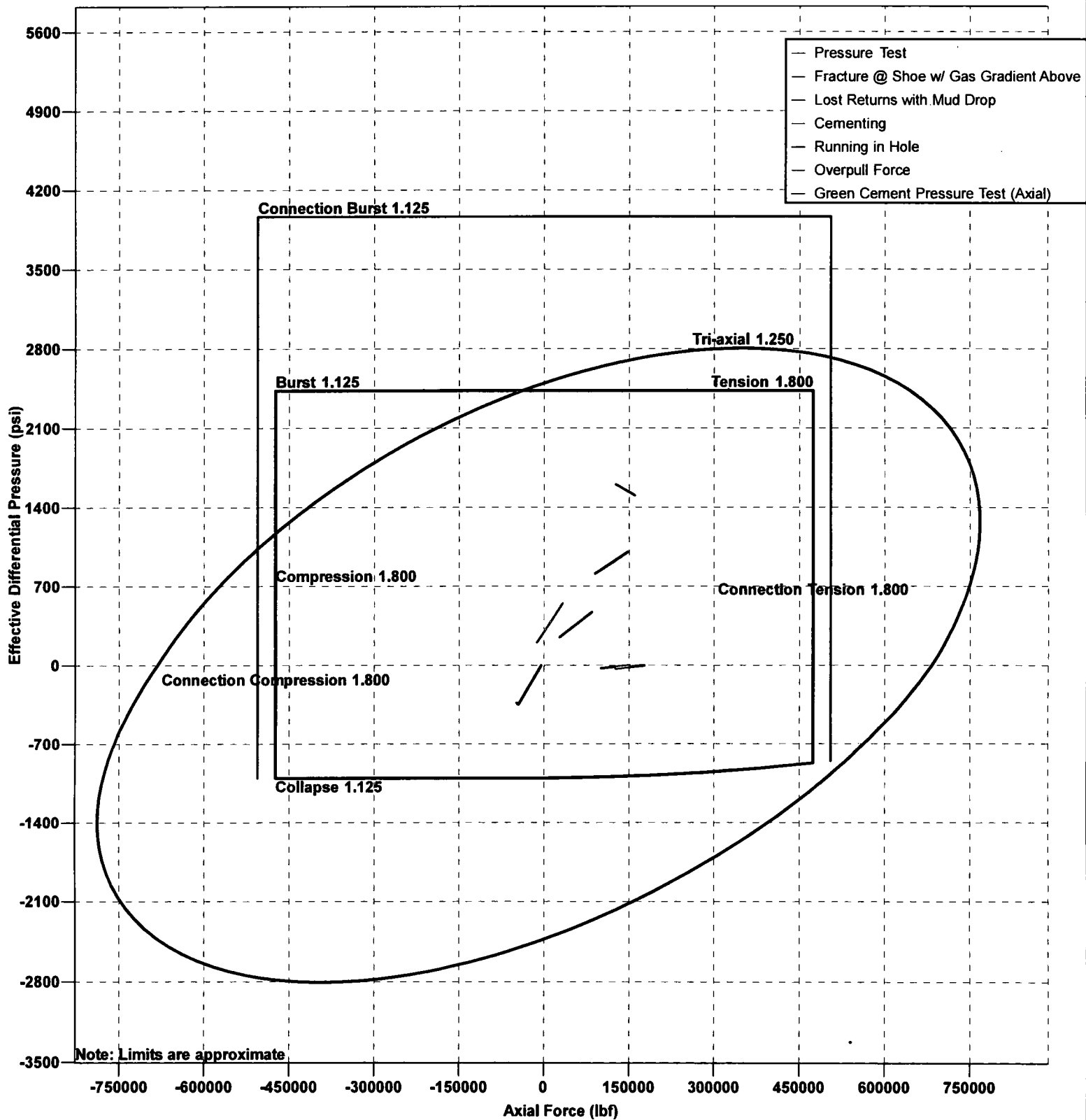
DLE

24JUL17

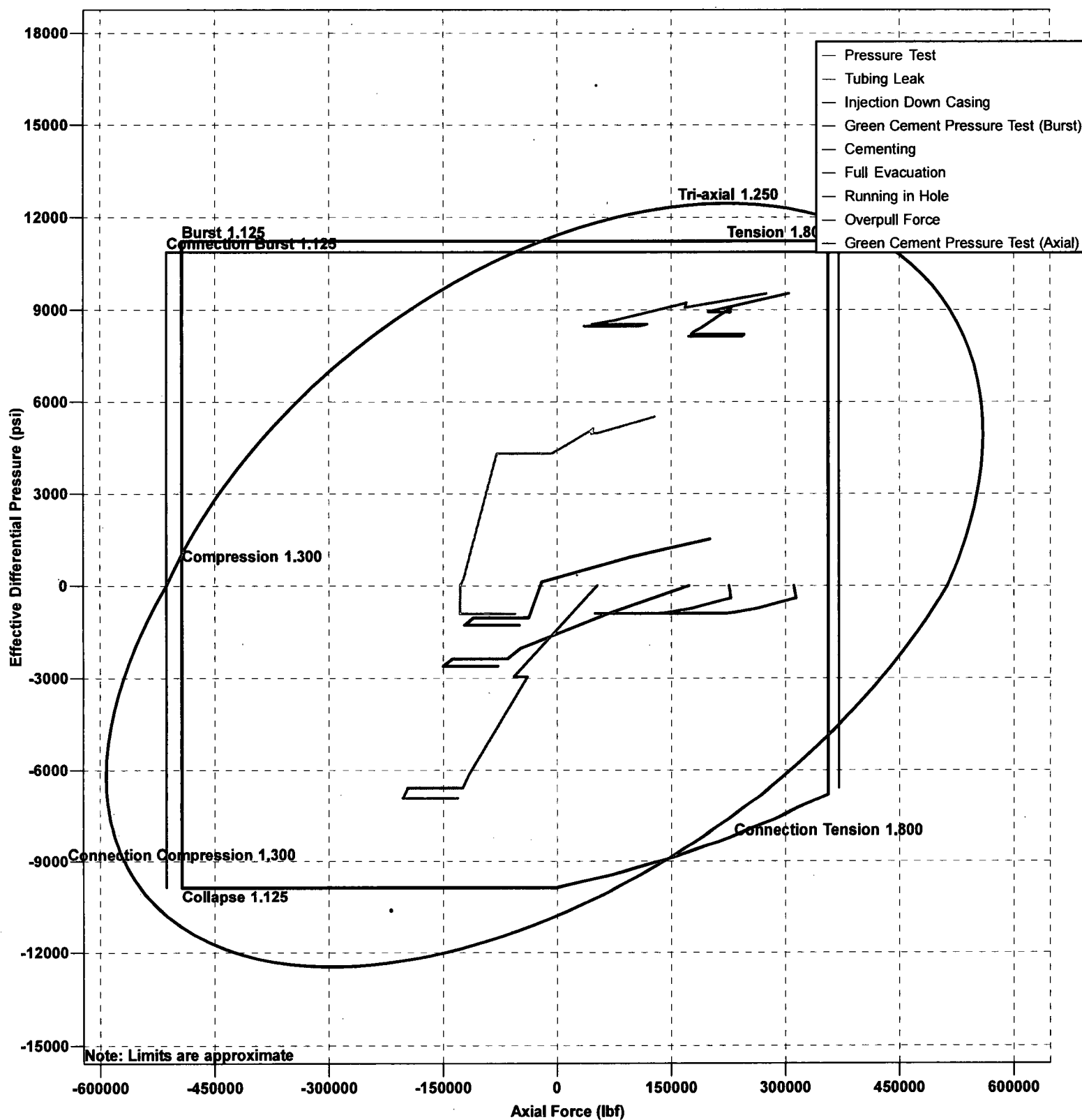
DRAWING NO.

ODE0001625

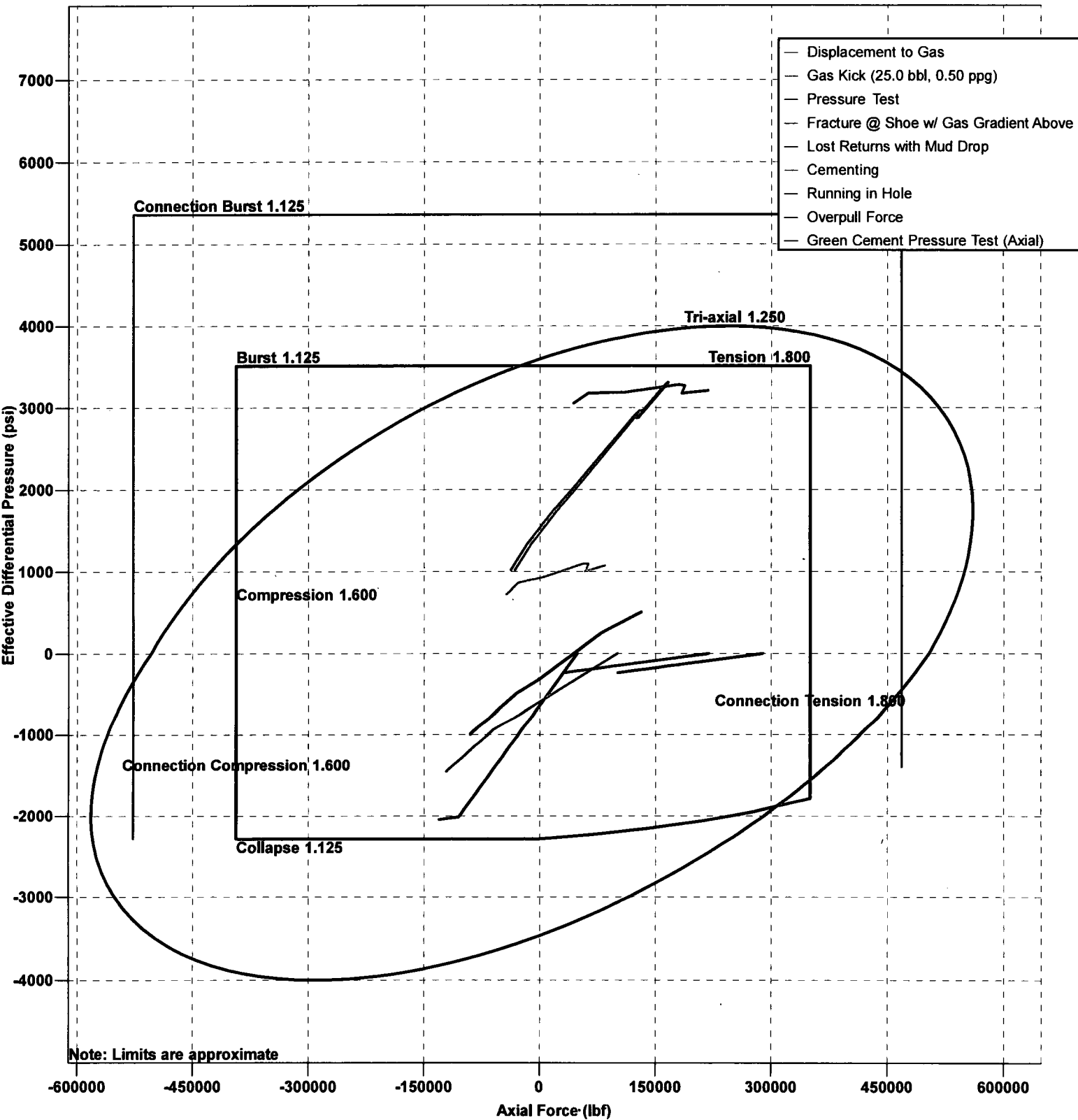
Design Limits (13 3/8" Surface Casing - Section 1)



Design Limits (5 1/2" Production Casing - Section 1)



Design Limits (9 5/8" Intermediate Casing - Section 1)



Batch Drilling Plan

- Marathon Oil Permian LLC. respectfully requests the option to “batch” drill sections of a well with intentions of returning to the well for later completion.
- When it is determined that the use of a “batch” drilling process to increase overall efficiency and reduce rig time on location, the following steps will be utilized to ensure compliant well control before releasing drilling rig during the batch process.
- Succeeding a successful cement job, fluid levels will be monitored in both the annulus and casing string to be verified static.
- A mandrel hanger packoff will be ran and installed in the multi-bowl wellhead isolating and creating a barrier on the annulus. This packoff will be tested to 5,000 PSI validating the seals.
- At this point the well is secure and the drilling adapter will be removed from the wellhead.
- A 13-5/8” 5M temporary abandonment cap will be installed on the wellhead by stud and nut flange. The seals of the TA cap will then be pressure tested to 5,000 PSI.
- The drilling rig will skid to the next well on the pad to continue the batch drilling process.
- When returning to the well with the TA cap, the TA cap will be removed and the BOP will be nipped up on the wellhead.
- A BOP test will then be conducted according to Onshore Order #2 and drilling operations will resume on the subject well.

Request for Surface Rig

- Marathon Oil Permian LLC. Requests the option to contract a surface rig to drill, set surface casing and cement on the subject well. If the timing between rigs is such that Marathon Oil Permian LLC. would not be able to preset the surface section, the primary drilling rig will drill the well in its entirety per the APD.



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

SUPO Data Report

08/10/2018

APD ID: 10400025507

Submission Date: 12/14/2017

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Well Type: OIL WELL

Well Work Type: Drill



[Show Final Text](#)

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

SUPO_1___Dogie_Draw_Fed_Com_25_34_14_Pad___Existing_Road_Map_Plat_20180702145839.pdf

Existing Road Purpose: ACCESS, FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

SUPO_2___Dogie_Draw_Fed_Com_25_34_14_Pad___Proposed_Lease_Road_20180703070514.pdf

New road type: LOCAL

Length: 30.73

Feet

Width (ft.): 20

Max slope (%): 3

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Road will be crowned to allow proper water drainage and BMP will be used to control erosion.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Strip a minimum of 6" topsoil and temporarily pile while road is being constructed. After the road has been constructed, the topsoil will be spread and seeded along the road ditch in Marathon's ROW.

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2%. The road shall conform to cross section and plans for typical road construction found in the BLM Gold Book.

Road Drainage Control Structures (DCS) description: Road will be crowned to allow proper water drainage and ditching will be constructed on both side of the road.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

SUPO_3__Dogie_Draw_Fed_Com_25_34_14_Pad__Existing_Well_Location_Map_20180702145928.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production Facility is proposed on the east side of the proposed well pad and will run from pad edge SE for 238', S for 300' then W for 180'. The flare equipment will be located along the south edge of the pad north of the proposed interim reclamation. - No open top tanks will be used. - Open vent exhaust stacks will be modified to prevent birds or bats from entering, discourage perching, roosting, and nesting. - The proposed CTB will have a secondary containment 1.5 times the holding capacity of largest storage tank. - All above ground structures will be painted a nonreflective shale green for blending with the surrounding environment. - The proposed CTB will have oil and water truck hauled from the facility. - There are 10 - 750 bbl steel tanks for oil storage and 24 - 750 bbl steel tanks for water storage

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

planned for the CTB. Pipelines: No off pad pipelines will be installed. Powerlines: No powerlines, power will be provided via a natural gas generator.

Production Facilities map:

SUPO_4__9__Dogie_Draw_Fed_Com_25_34_14__Facility_Layout_Plat_20180702145939.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: STIMULATION

Describe type:

Source latitude: 32.0816

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 147500

Source volume (gal): 6195000

Water source type: FRESH WATER LAKE

Source longitude: -103.3546

Water source use type: STIMULATION

Describe type:

Source latitude: 32.1937

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 147500

Source volume (gal): 6195000

Water source type: FRESH WATER LAKE

Source longitude: -103.4002

Water source use type: STIMULATION

Describe type:

Source latitude: 32.108

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Water source type: FRESH WATER LAKE

Source longitude: -103.3259

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Source transportation land ownership: PRIVATE

Water source volume (barrels): 147500

Source volume (acre-feet): 19.011732

Source volume (gal): 6195000

Water source and transportation map:

SUPO_5__Dogie_Draw_Fed_Com_25_34_14_Pad__Proposed_Water_Line_Plat_20180702150048.pdf

Water source comments: Existing ponds in different locations will be utilized for drilling operations depending on demand and availability. All Water will be Fresh Water for the upcoming Completion. All Fresh water will be obtained from a private Water source. Fresh water line will run parallel to existing disturbance and will stay within 10' of access road. Location and Type of Water Supply - 1st proposed (HZZ) pond in Section 34, T25S, R35E will be utilized for fresh water. - A temporary 10' expanding pipe transfer line will run North from pond along fence rd. then turn west along proposed access road approx. 0.80 miles. - 2nd proposed (Mallee) pond in Section 26, T24S, R34E will be utilized for fresh water. - A temporary 10' expanding pipe transfer line will run west from pond along access rd. then turn south along proposed access road approx. 0.45 miles. - 3rd proposed pond (Madera) in Section 30, T24S, R35E will be utilized for fresh water. - A temporary 10' expanding pipe transfer line will run south from pond along access rd. then west along proposed access road approx. 0.47 miles. Proposed water supplies: Madera Draw Beckam Rockhouse

New water well? NO

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: Caliche will be used to construct well pad and roads. Material will be purchased from a private permitted pit. The proposed source of construction material will be located: - Source 1: Bert Madera's mineral pit located in section 6, T25S, R35E - Source 2: Bert Madera's mineral pit located in section 26, T24S, R34E Payment shall be made by construction contractor. Notification shall be given to BLM at (575) 234-5909 at least 3 working days prior to commencing construction of well pad or related infrastructure.

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: All chemicals, salts, frac sand, produced oil, produced water and other waste material produced during drilling and completion operations.

Amount of waste: 5100 barrels

Waste disposal frequency : Daily

Safe containment description: Open Top Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: Waste will be removed and disposed of properly at a state approved disposal facility.

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations

Amount of waste: 1200 pounds

Waste disposal frequency : Weekly

Safe containment description: All garbage will be stored in secure containers with lids.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: All garbage will be collected and disposed of properly at a State approved disposal facility.

Waste type: SEWAGE

Waste content description: Human waste and grey water.

Amount of waste: 600 barrels

Waste disposal frequency : Weekly

Safe containment description: Portable toilets and sewage tanks.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

Disposal type description:

Disposal location description: All sewage waste will be disposed of properly at a State approved disposal facility.

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.)

Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? YES

Description of cuttings location The well will be drilled utilizing a closed loop system. Drill cutting will be properly disposed of into steel tanks and taken to an NMOCD approved disposal facility.

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram: .

SUPO_9__Dogie_Draw_Fed_Com_25_34_14_Pad___Vacinity_and_Existing_Road_Map_Topo__20180702150153.pdf

SUPO_9__Dogie_Draw_Fed_Com_25_34_14_Pad___Well_Location_Plat_Feet__20180702150203.pdf

SUPO_9__Dogie_Draw_Fed_Com_25_34_14_Pad___Well_Pad_Plat_Acres__20180702150212.pdf

SUPO_4_9__Dogie_Draw_Fed_Com_25_34_14___Facility_Layout_Plat_20180702150221.pdf

Comments: Exterior well pad dimensions are approximate 630' by 706', see attached plats for pad shape and footages. This pad will have 6 total wells. Interior well pad dimensions from first point of entry (well head) are: - Dogie Draw Federal Com 25

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34 14 TB 1H - N-410', S-220', E-470', W-236'. - Dogie Draw Federal Com 25 34 14 WA 2H - N-410', S-220', E-440', W-266'. - Dogie Draw Federal Com 25 34 14 AV 24H - N-410', S-220', E-410', W-296'. Production Facility is proposed on the east side of the proposed well pad and will run from pad edge SE for 238', S for 300' then W for 180'. See attached Facility Layout Plat (also attached in SUPO section 4). Total disturbance area needed for construction activities will be 9.16 acres, long term disturbance will be 6.74 acres. Topsoil will be placed on the west side of the pad (630' x 30') to accommodate interim reclamation activities. Cut and fill will be minimal.

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: DOGIE DRAW FED COM

Multiple Well Pad Number: 290-8

Recontouring attachment:

SUPO_10__Dogie_Draw_Fed_Com_25_34_14__IR_Plat_20180702150247.pdf

Drainage/Erosion control construction: During construction, BMP will be used to control erosion, runoff and siltation of surrounding area.

Drainage/Erosion control reclamation: BMP will be used to control erosion, runoff and siltation of surrounding area.

Well pad proposed disturbance (acres): 9.16	Well pad interim reclamation (acres): 2.42	Well pad long term disturbance (acres): 6.74
Road proposed disturbance (acres): 0.0141	Road interim reclamation (acres): 0.0042	Road long term disturbance (acres): 0.0099
Powerline proposed disturbance (acres): 0	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 0	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance: 9.1741	Total interim reclamation: 2.4242	Total long term disturbance: 6.7499

Disturbance Comments:

Reconstruction method: For Interim Reclamation: • Within 6 months of first production, the well location and surrounding areas will be cleared of, and maintained free of, all materials, trash, and equipment not required for production. A plan will be submitted showing where interim reclamation will be completed in order to allow for safe operations, protection of the environment outside of drilled well, and following best management practices found in the BLM "Gold Book". • In areas planned for interim reclamation, all the surfacing material will be removed and returned to the original mineral pit or recycled to repair or build roads and well pads. • The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation. • Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM LPC seed mixture free of noxious weeds, will be used. • Proper erosion control methods will be used on the area to control erosion, runoff and siltation of the surrounding area. • The interim reclamation will be monitored periodically to ensure that vegetation has reestablished. For Final Reclamation: • Prior to final reclamation procedures, the well pad, road, and surrounding area will be cleared of material, trash, and equipment. • All surfacing material will be removed and returned to the original mineral pit or recycled to repair or build roads and well pads. • All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends in distinguishably with the surrounding landscape. Topsoil that was spread over the interim reclamation areas will be stockpiled prior to recontouring. The topsoil will be redistributed evenly over the entire disturbed site to ensure successful revegetation. • After all the disturbed areas have been properly prepared; the areas will be seeded with the proper BLM LPC seed mixture

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free of noxious weeds. • Proper erosion control methods will be used on the entire area to control erosion, runoff and siltation of the surrounding area.

Topsoil redistribution: During Interim Reclamation, Marathon will grab and evenly redistribute topsoil across the reclaimed area (disc plowing if needed) and seed accordingly. During final reclamation, Marathon will grab and evenly redistribute topsoil across the entire disturbed area (disc plowing if needed) area and seed accordingly.

Soil treatment: Stockpile and seeded until used for interim or final reclamation. Topsoil and subsoil will be piled separately.

Existing Vegetation at the well pad:

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road:

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline:

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances:

Existing Vegetation Community at other disturbances attachment:

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type:

Seed source:

Seed name:

Source name:

Source address:

Source phone:

Seed cultivar:

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Seed use location:

PLS pounds per acre:

Proposed seeding season:

Seed Summary	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: Marathon Oil will control weeds per Federal, County and State regulations by contracting a certified third party sprayer.

Weed treatment plan attachment:

Monitoring plan description: Marathon Oil will monitor monthly during growing season for weeds through routine inspections.

Monitoring plan attachment:

Success standards: Maintain all disturbed areas as per Gold Book Standards.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

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Well Name: DOGIE DRAW FED COM 25 34 14 AV

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DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Fee Owner: Mark and Annett McCloy Trustees

Fee Owner Address: P.O. Box 795, Tatum, NM 88267

Phone: (432)914-4459

Email:

Surface use plan certification: YES

Surface use plan certification document:

Dogie_Draw_Federal_Com_25_34_14_PAD__SUP_Certification_Letter_20171213091232.pdf

Surface access agreement or bond: Agreement

Surface Access Agreement Need description: Marathon Oil is currently working on the SUA for this pad.

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Section 12 - Other Information

Right of Way needed? NO

Use APD as ROW?

ROW Type(s):

ROW Applications

SUPO Additional Information:

Use a previously conducted onsite? YES

Previous Onsite information: Performed 11/28/2017. Marathon Oil Attendees: Brian Hall and Nancy Pohl BLM Attendee: Colleen Cepero-Rios

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: DOGIE DRAW FED COM 25 34 14 AV

Well Number: 24H

Other SUPO Attachment

SUPO_12__Dogie_Draw_Fed_Com_25_34_14_Pad__No_Arch_Survey_Letter_20180702150312.pdf



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

PWD Data Report

08/10/2018

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Bond Info Data Report

08/10/2018

Bond Information

Federal/Indian APD: FED

BLM Bond number: WYB002107

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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