Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD
JUN 27 2018
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.
NMNM12845

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
WEST GRAMMA RIDGE SWD 1

2. Name of Operator
MESQUITE SWD INC
Contact: MELANIE WILSON
E-Mail: mjp1692@gmail.com

9. API Well No.
30-025-43328

3a. Address
PO BOX 1479
CARLSBAD, NM 88221

3b. Phone No. (include area code)
Ph: 575-914-1461

10. Field and Pool or Exploratory Area
SWD;DEVONIAN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 6 T22S R32E Mer NMP NENW 1105FNL 1480FWL

11. County or Parish, State
LEA COUNTY, NM

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
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

Mesquite SWD, Inc. requests permission to make the following changes to the approved APD:

Well Control
Drilling out from the 20 inch surface csg: 2M BOP system with 21 1/4 inch 2M annular
Drilling out from the 13 3/8 inch 1st intermediate csg: 5M BOP system with 5M annular

Drilling out from the 9 5/8 inch 2nd intermediate csg: 10M BOP system with ~~5M~~ 10M annular Per Operator 6/18/18 CWalls

Casing
Approved for 7 inch csg 0-15550 ft.
Request to run 7 5/8 inch casing liner from 10550-15550 ft.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #423947 verified by the BLM Well Information System
For MESQUITE SWD INC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 06/15/2018 ()

Name *(Printed/Typed)* MELANIE WILSON — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 06/13/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By [signature] — Title SPE — Date 6/19/18

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 CFO

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #423947 that would not fit on the form

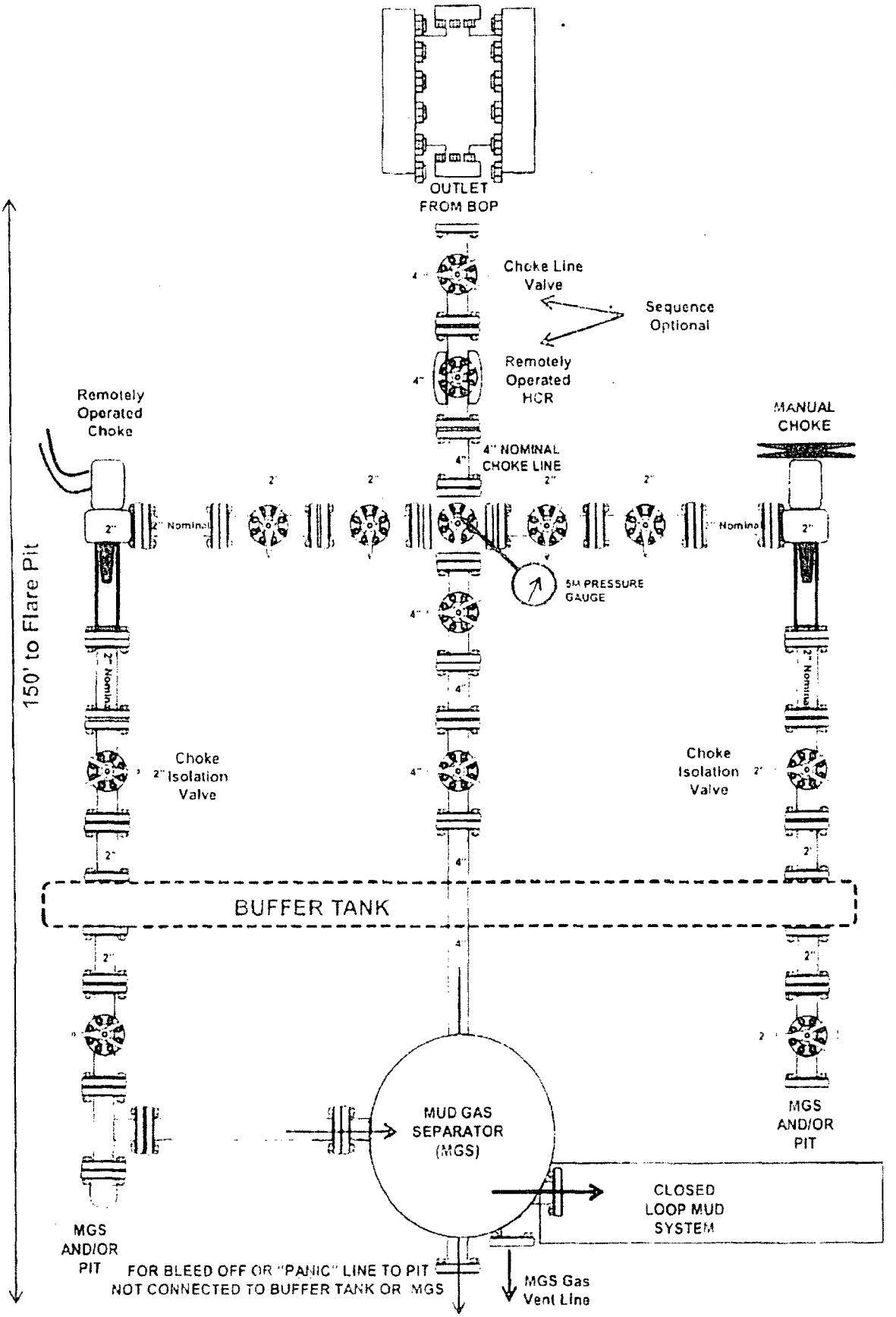
32. Additional remarks, continued

Cement

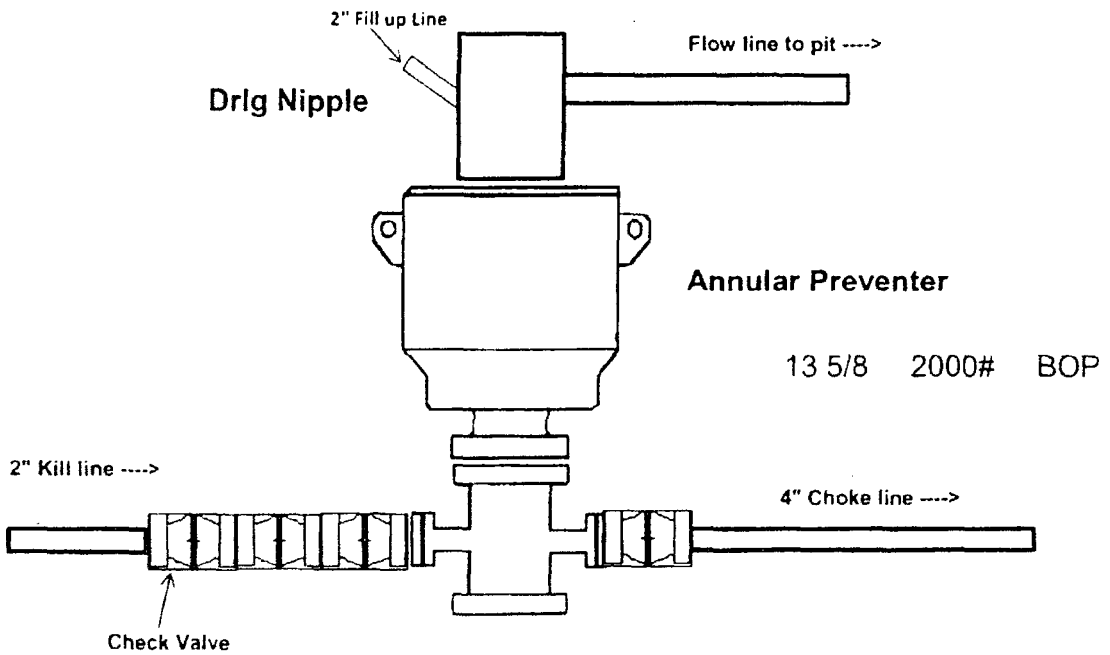
13 3/8 1st intermediate csg: Single stage - 2000 sx Class C lead, 2.11 yield, 380 sx Class C tail, 1.33 yield. Circ to surface
7 5/8 liner: Single stage - 350 sx Neocem, yield 1.89

Open Hole 15550-16550 ft: Change from 5 7/8 inch to 6 1/2 inch hole size

2M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)



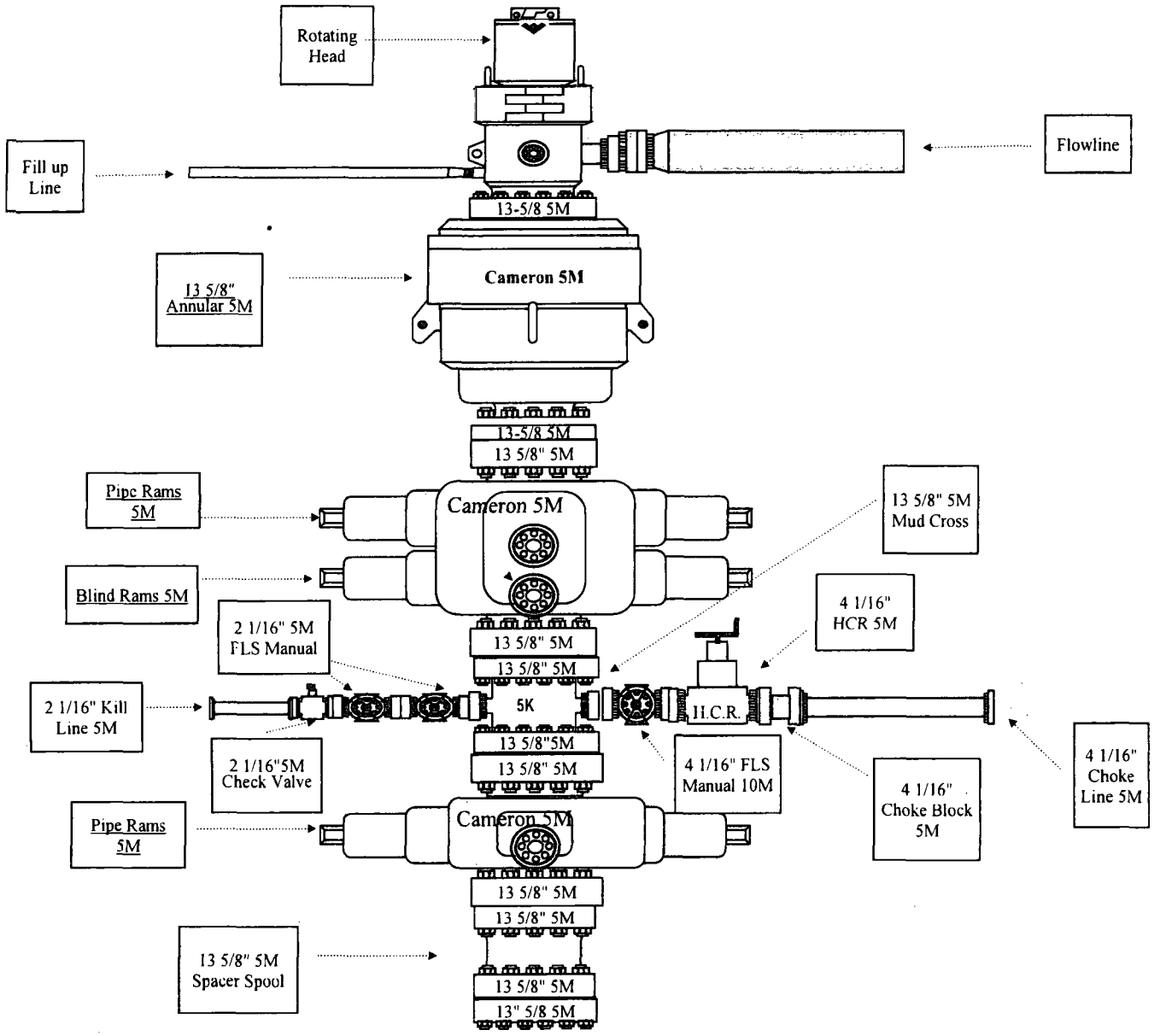
2,000 psi BOP Schematic



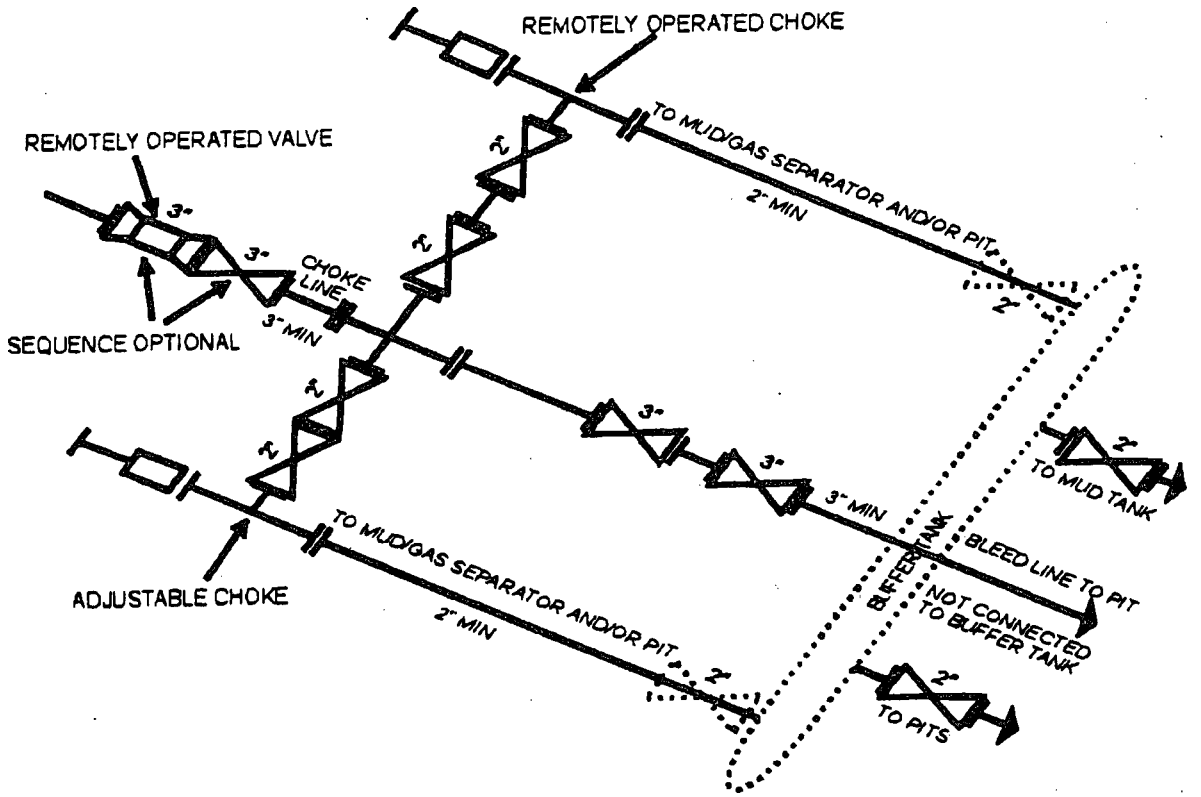
Hole Sections Utilized

5M BOP with 5M Annular
Mesquite SWD, Inc.

***12 1/4" Hole below 1st Intermdiate Casing**



5M Choke Manifold



CASING TABLES

Dimensional & Grade Designators								Collapse Resistance
OD Size	Weight		NOM Wall	NOM ID	API Drift	Alternate Drift	Product	
	T&C	PE						
in.	lb/ft	lb/ft	in.	in.	in.	in.	Grade	psi
7 5/8	35.80	35.59	0.465	6.695	6.570	--	USS C110	9,470
7 5/8	35.80	35.59	0.465	6.695	6.570	--	USS RYH110	9,470
7 5/8	35.80	35.59	0.465	6.695	6.570	--	USS RYS110	9,470
7 5/8	35.80	35.59	0.465	6.695	6.570	--	P110 SR16	9,470
7 5/8	35.80	35.59	0.465	6.695	6.570	--	P110	9,470
7 5/8	35.80	35.59	0.465	6.695	6.570	--	P110 HC	10,660
7 5/8	35.80	35.59	0.465	6.695	6.570	--	P110 HP	11,500
7 5/8	35.80	35.59	0.465	6.695	6.570	--	Q125	10,200
7 5/8	35.80	35.59	0.465	6.695	6.570	--	Q125 HC	11,140
7 5/8	35.80	35.59	0.465	6.695	6.570	--	Q125 HP	12,020
7 5/8	35.80	35.59	0.465	6.695	6.570	--	USS 140	10,810
7 5/8	35.80	35.59	0.465	6.695	6.570	--	USS V150	11,140
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS GT80S	8,820
7 5/8	39.00	38.08	0.500	6.625	6.500	--	L80	8,820
7 5/8	39.00	38.08	0.500	6.625	6.500	--	L80 HC	9,480
7 5/8	39.00	38.08	0.500	6.625	6.500	--	L80 HP	10,010
7 5/8	39.00	38.08	0.500	6.625	6.500	--	N80	8,820
7 5/8	39.00	38.08	0.500	6.625	6.500	--	N80 HC	9,910
7 5/8	39.00	38.08	0.500	6.625	6.500	--	N80 HP	10,770
7 5/8	39.00	38.08	0.500	6.625	6.500	--	C90	9,620
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS C90	9,620
7 5/8	39.00	38.08	0.500	6.625	6.500	--	R95	10,000
7 5/8	39.00	38.08	0.500	6.625	6.500	--	T95	10,000
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS C95	10,000
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS C100	10,370
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS RYS100	10,370
7 5/8	39.00	38.08	0.500	6.625	6.500	--	C110	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS C110	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS RYH110	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS RYS110	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	P110 SR16	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	P110	11,080
7 5/8	39.00	38.08	0.500	6.625	6.500	--	P110 HC	12,730
7 5/8	39.00	38.08	0.500	6.625	6.500	--	P110 HP	13,130
7 5/8	39.00	38.08	0.500	6.625	6.500	--	Q125	12,060
7 5/8	39.00	38.08	0.500	6.625	6.500	--	Q125 HC	12,810
7 5/8	39.00	38.08	0.500	6.625	6.500	--	Q125 HP	13,790
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS 140	12,930
7 5/8	39.00	38.08	0.500	6.625	6.500	--	USS V150	13,440
7 5/8	42.80	42.43	0.562	6.501	6.376	--	USS GT80S	10,810
7 5/8	42.80	42.43	0.562	6.501	6.376	--	L80	10,810
7 5/8	42.80	42.43	0.562	6.501	6.376	--	L80 HC	11,170
7 5/8	42.80	42.43	0.562	6.501	6.376	--	L80 HP	11,740
7 5/8	42.80	42.43	0.562	6.501	6.376	--	N80	10,810
7 5/8	42.80	42.43	0.562	6.501	6.376	--	N80 HC	11,730

TENSION				Internal Yield						Ductile Rupture Capped End	Outside Diameter	
				API Historical				Lame' - Von Mises				
Joint Strength, 1,000 lbs				Pipe Body	Threaded & Coupled			Open End	Capped End		Regular Coupling	Special Clr Coupling
Yield	Threaded and Coupled				STC	LTC	BTC					
Pipe Body	STC	LTC	BTC	psi	psi	psi	psi	psi	psi	psi	in.	in.
1,151	--	--	--	11,740	--	--	--	11,660	12,800	13,040	--	--
1,151	--	--	--	11,740	--	--	--	11,660	12,800	13,040	--	--
1,151	--	--	--	11,740	--	--	--	11,660	12,800	13,040	--	--
1,151	--	--	--	11,740	--	--	--	11,660	12,800	12,290	--	--
1,151	--	--	--	11,740	--	--	--	11,660	12,800	13,590	--	--
1,151	--	--	--	11,740	--	--	--	11,660	12,800	13,590	--	--
1,308	--	--	--	13,340	--	--	--	13,250	14,550	14,240	--	--
1,308	--	--	--	13,340	--	--	--	13,250	14,550	14,780	--	--
1,308	--	--	--	13,340	--	--	--	13,250	14,550	14,780	--	--
1,412	--	--	--	14,410	--	--	--	14,310	15,710	15,410	--	--
1,464	--	--	--	14,950	--	--	--	14,840	16,290	16,550	--	--
1,569	--	--	--	16,010	--	--	--	15,900	17,460	17,740	--	--
895	--	786	945	9,190	--	9,190	9,190	9,110	9,970	9,940	8.500	8.125
895	--	786	945	9,190	--	9,190	9,190	9,110	9,970	9,940	8.500	8.125
895	--	786	945	9,190	--	9,190	9,190	9,110	9,970	9,940	8.500	8.125
951	--	820	961	9,770	--	9,770	9,770	9,680	10,590	9,940	8.500	8.125
895	--	798	981	9,190	--	9,190	9,190	9,110	9,970	10,470	8.500	8.125
895	--	798	981	9,190	--	9,190	9,190	9,110	9,970	10,470	8.500	8.125
1,063	--	914	1,065	10,910	--	10,490	9,790	10,820	11,840	11,070	8.500	8.125
1,007	--	867	1,013	10,340	--	10,340	10,340	10,250	11,220	11,630	8.500	8.125
1,007	--	867	1,013	10,340	--	10,340	10,340	10,250	11,220	11,630	8.500	8.125
1,063	--	914	1,065	10,910	--	10,910	10,910	10,820	11,840	11,070	8.500	8.125
1,063	--	914	1,065	10,910	--	10,910	10,910	10,820	11,840	12,240	8.500	8.125
1,063	--	914	1,065	10,910	--	10,910	10,910	10,820	11,840	12,240	8.500	8.125
1,119	--	960	1,118	11,490	--	11,490	11,490	11,390	12,460	12,860	8.500	8.125
1,119	--	960	1,118	11,490	--	11,490	11,490	11,390	12,460	12,860	8.500	8.125
1,231	--	--	--	12,640	--	--	--	12,530	13,710	13,510	--	--
1,231	--	--	--	12,640	--	--	--	12,530	13,710	14,100	--	--
1,231	--	--	--	12,640	--	--	--	12,530	13,710	14,100	--	--
1,231	--	--	--	12,640	--	--	--	12,530	13,710	14,100	--	--
1,231	--	1,066	1,258	12,640	--	12,640	12,640	12,530	13,710	13,280	8.500	8.125
1,231	--	1,066	1,258	12,640	--	12,640	12,640	12,530	13,710	14,680	8.500	8.125
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,399	--	1,173	1,343	14,360	--	14,360	13,460	14,240	15,580	15,380	8.500	8.125
1,399	--	1,194	1,379	14,360	--	14,360	14,360	14,240	15,580	15,980	8.500	--
1,399	--	1,194	1,379	14,360	--	14,360	14,360	14,240	15,580	15,980	8.500	--
1,511	--	1,264	1,447	15,510	--	15,510	15,290	15,380	16,820	16,650	8.500	--
1,567	--	1,335	1,536	16,080	--	16,080	16,080	15,950	17,450	17,890	8.500	--
1,679	--	1,428	1,640	17,230	--	17,230	17,230	17,090	18,690	19,170	8.500	--
998	--	891	1,053	10,320	--	10,320	9,790	10,220	11,120	11,240	8.500	8.125
998	--	891	1,053	10,320	--	10,320	9,790	10,220	11,120	11,240	8.500	8.125
998	--	891	1,053	10,320	--	10,320	9,790	10,220	11,120	11,240	8.500	8.125
1,060	--	930	1,070	10,970	--	10,490	9,790	10,850	11,820	11,240	8.500	8.125
998	--	905	1,093	10,320	--	10,320	9,790	10,220	11,120	11,830	8.500	8.125
998	--	905	1,093	10,320	--	10,320	9,790	10,220	11,120	11,830	8.500	8.125

Walls, Christopher <cwalls@blm.gov>

[EXTERNAL] MESQUITE SWD INC - WEST GRAMMA RIDGE SWD #1 - SUNDRY

1 message

Melanie & Tommy Wilson <mjp1692@gmail.com> Fri, Jun 15, 2018 at 4:56 PM
To: "Walls, Christopher" <cwalls@blm.gov>

Hi Chris,

The 7 5/8" casing details are:

7 5/8" 39# ECP-110 J-2/STL FJ

SF Collapse = 1.23

SF Burst = 1.27

SF Jt Tension = 4.01

SF Body Tension = 5.35

Please let me know if you need anything else!

Thanks a bunch!!

Melanie

10M BOP 5M Annular.pdf
239K

DRILLING CONDITIONS OF APPROVAL

Mesquite SWD
West Gramma Ridge SWD1
3002543328

A. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.

2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 13-3/8 inch intermediate casing shoe shall be 5000 (5M) psi. **5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8 inch second intermediate casing shoe shall be 10,000 (10M) psi. **10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**