Form 3160 -3 (March 2012)

Carlsbad Field Office OCD Hobbs

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OCT 27 2016

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

5. Lease Serial No. NMNM118723

BUREAU OF LAND MANAGI APPLICATION FOR PERMIT TO DRI 1a. Type of work: DRILL REENTER 1b. Type of Well: Oil Well Gas Well Other 2. Name of Operator CHEVRON USA INC (1923)	ILL OR REENTER	7	If Indian, Allotee or Tr			
Ib. Type of Well: Oil Well Gas Well Other 2. Name of Operator CHEVRON USA INC (1923)	Single Zone Multip		If Unit or CA Agreemen	t, Name and No.		
2. Name of Operator CHEVRON USA INC (#323)	Single Zone Multip	8				
CHEVRON USA INC		ole Zone SI	3. Lease Name and Well N D WE 23 FED P25 4H			
	Name of Operator CHEVRON USA INC (#323)					
COOA Describe Deal Mide at TV 70700	Phone No. (include area code) 32)687-7866). Field and Pool, or Explo ENNINGS / UPPER B	1000		
4. Location of Well (Report location clearly and in accordance with any State	te requirements.*)	11	: Sec., T. R. M. or Blk.an	d Survey or Area		
At surface SWSE / 260 FSL / 2678 FWL / LAT 32.021486 / L	ONG -103.641919		EC 23 / T26S / R32E	/ NMP		
At proposed prod. zone NWNE / 180 FNL / 1670 FEL / LAT 32.	.049685 / LONG -103.6419			1		
 Distance in miles and direction from nearest town or post office* miles 		2. County or Parish EA	13. State NM			
location to perpect 260 fact	ion to nearest 260 feet 1280 320					
to nearest well, drilling, completed, 25 feet	19. Proposed Depth 20. BLM 8990 feet / 19269 feet FED: C					
	Approximate date work will sta 1/01/2017					
2	4. Attachments					
The following, completed in accordance with the requirements of Onshore Oi	l and Gas Order No.1, must be a	ttached to this f	orm:	_		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System Land 	Item 20 above). ds, the 5. Operator certification	cation	unless covered by an exis			
SUPO must be filed with the appropriate Forest Service Office).	6. Such other site BLM.	specific inform	nation and/or plans as may	be required by the		
25. Signature (Electronic Submission)	Name (Printed/Typed) Denise Pinkerton / Ph: (432)687-7375			/16/2016		
Title Regulatory Specialist						
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) George MacDonell / Ph: (575)234		01 Dat	e 0/06/2016		
Title Field Manager	Office HOBBS		1			
Application approval does not warrant or certify that the applicant holds leg conduct operations thereon. Conditions of approval, if any, are attached.	gal or equitable title to those righ	its in the subjec	t lease which would entitle	the applicant to		

(Continued on page 2)

*(Instructions on page 2)





APD ID: 10400002208

Well Type: OIL WELL

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

Well Name: SD WE 23 FED P25

Operator Name: CHEVRON USA INC

APD Print Report

Submission Date: 06/16/2016

Highlight All Changes

Federal/Indian APD: FED

Well Number: 4H

Well Work Type: Drill

Application

Section 1 - General

APD ID: 10400002208 Tie to previous NOS?

Submission Date: 06/16/2016

BLM Office: HOBBS

User: Denise Pinkerton

Title: Regulatory Specialist

Federal/Indian APD: FED

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

Lease number: NMNM118723

Lease Acres: 1280

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO

APD Operator: CHEVRON USA INC

Operator letter of designation:

Keep application confidential? NO

Operator Info

Operator Organization Name: CHEVRON USA INC

Operator Address: 6301 Deauville Blvd.

Zip: 79706

Operator PO Box:

Operator City: Midland

State: TX

Operator Phone: (432)687-7866

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Mater Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: SD WE 23 FED P25 Well Number: 4H

Well Name: SD WE 23 FED P25 Well Number: 4H Well API Number:

Field / Pool or Exploratory? Field and Pool Field Name: JENNINGS Pool Name: UPPER BN SPR

SHALE

Is the proposed well in an area containing other mineral resources? 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: SD Number: 1H - 4H

Well Class: HORIZONTAL

WE 23 FED P25

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: 33 Miles Distance to nearest well: 25 FT Distance to lease line: 260 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: SD WE 23 P25 4H C102_07-05-2016.pdf

SD WE 23 FED P25 4H_Well Pad_07-19-2016.pdf

Well work start Date: 01/01/2017 Duration: 120 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD27 Vertical Datum: NGVD29

Survey number:

STATE: NEW MEXICO Meridian: NEW MEXICO PRINCIPAL County: LEA

Latitude: 32.021486 **Longitude:** -103.641919

SHL Elevation: 3123 MD: 0 TVD: 0

Leg #: 1 Lease Type: FEDERAL Lease #: NMNM118723

NS-Foot: 260 NS Indicator: FSL

EW-Foot: 2678 EW Indicator: FWL

Twsp: 26S Range: 32E Section: 23

Aliquot: SWSE Lot: Tract:

Leg #: 1

Well Name: SD WE 23 FED P25 Well Number: 4H

STATE: NEW MEXICO Meridian: NEW MEXICO PRINCIPAL County: LEA

Latitude: 32.28361 Longitude: -103.92316

KOP Elevation: -5277 MD: 8458 TVD: 8400

Leg #: 1 Lease Type: FEDERAL Lease #: NMNM118723

Lease Type: FEDERAL

NS-Foot: 58

NS Indicator: FSL

EW-Foot: 1708

EW Indicator: FEL

Twsp: 26S Range: 32E Section: 23

Aliquot: SWSE Lot: Tract:

STATE: NEW MEXICO Meridian: NEW MEXICO PRINCIPAL County: LEA

Latitude: 32.04248 Longitude: -103.18799

PPP **Elevation:** -5867 **MD:** 19269 **TVD:** 8990

102.000

NS-Foot: 330

NS Indicator: FSL

EW-Foot: 1670

EW Indicator: FEL

Twsp: 26S Range: 32E Section: 23

Aliquot: SWSE Lot: Tract:

STATE: NEW MEXICO Meridian: NEW MEXICO PRINCIPAL County: HIDALGO

Lease #: NMNM118723

Latitude: 32.38289 Longitude: -103.91534

EXIT Elevation: -5866 MD: 19199 TVD: 8989

Leg #: 1 Lease Type: FEDERAL Lease #: NMNM118722

NS-Foot: 330 NS Indicator: FNL EW-Foot: 1670 EW Indicator: FEL

Twsp: 26S Range: 32E Section: 14

Aliquot: NWNE Lot: Tract:

STATE: NEW MEXICO Meridian: NEW MEXICO PRINCIPAL County: LEA

Latitude: 32.049685 Longitude: -103.641919

BHL **Elevation:** -5867 **MD:** 19269 **TVD:** 8990

Leg #: 1 Lease Type: FEDERAL Lease #: NMNM118722

NS-Foot: 180

NS Indicator: FNL

EW-Foot: 1670

EW Indicator: FEL

Well Name: SD WE 23 FED P25 Well Number: 4H

Twsp: 26S

Section: 14

Aliquot: NWNE

Lot:

Tract:

Drilling Plan

Range: 32E

Section 1 - Geologic Formations

ID: Surface formation Name: RUSTLER

Lithology(ies):

ANHYDRITE

Elevation: 3123 True Vertical Depth: 0 Measured Depth: 0

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 1 Name: CASTILE

Lithology(ies):

DOLOMITE

Elevation: 123 True Vertical Depth: 3000 Measured Depth: 3000

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 2 Name: LAMAR LS

Lithology(ies):

LIMESTONE

Elevation: -1577 True Vertical Depth: 4700 Measured Depth: 4700

Mineral Resource(s):

NONE

Is this a producing formation? N

Well Name: SD WE 23 FED P25 Well Number: 4H

ID: Formation 3

Name: BELL CANYON

Lithology(ies):

SANDSTONE

Elevation: -1857

True Vertical Depth: 4980

Measured Depth: 4980

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 4

Name: CHERRY CANYON

Lithology(ies):

SANDSTONE

Elevation: -2752

True Vertical Depth: 5875

Measured Depth: 5875

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 5

Name: BRUSHY CANYON

Lithology(ies):

SANDSTONE

Elevation: -4302

True Vertical Depth: 7425

Measured Depth: 7425

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 6

Name: BONE SPRING LIME

Lithology(ies):

LIMESTONE

Elevation: -5682

True Vertical Depth: 8805

Measured Depth: 8805

Mineral Resource(s):

NONE

Well Name: SD WE 23 FED P25 Well Number: 4H

Is this a producing formation? N

ID: Formation 7

Name: AVALON

Lithology(ies):

SHALE

Elevation: -5752

True Vertical Depth: 8875

Measured Depth: 8875

Mineral Resource(s):

OIL

Is this a producing formation? Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 20000

Equipment: Minimum of a 5000 psi rig stack (see proposed schematic) for drill out below surface casing.

Requesting Variance? NO

Variance request:

Testing Procedure: Stack will be tested as specified in the attached testing requirements. Test BOP from 250 psi to 5000 psi in Ram and 250 to 3500 in Annular. See BOP attachment for details.

Choke Diagram Attachment:

SD WE 23 P25 5K BOP-Choke_07-19-2016.pdf

BOP Diagram Attachment:

SD WE 23 P25 5K BOP-Choke_07-19-2016.pdf

Section 3 - Casing

Well Name: SD WE 23 FED P25 Well Number: 4H

String Type: INTERMEDIATE

Other String Type:

Hole Size: 12.25

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: -5867

Bottom setting depth MD: 4700

Bottom setting depth TVD: 4700

Bottom setting depth MSL: -10567 Calculated casing length MD: 4700

Casing Size: 9.625

Other Size

Grade: HCK-55

Other Grade:

Weight: 40

Joint Type: LTC ·

Other Joint Type:

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 3

Burst Design Safety Factor: 1.21

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 1.48

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 2.15

Casing Design Assumptions and Worksheet(s):

SD WE 23 Fed P25 4H 9ppt plan_06-14-2016.pdf

Well Name: SD WE 23 FED P25 Well Number: 4H

String Type: SURFACE

Other String Type:

Hole Size: 17.5

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: -5867

Bottom setting depth MD: 850

Bottom setting depth TVD: 850

Bottom setting depth MSL: -6717 Calculated casing length MD: 850

Casing Size: 13.375

Other Size

Grade: J-55

Other Grade:

Weight: 55

Joint Type: STC

Other Joint Type:

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.92

Burst Design Safety Factor: 1.4

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 1.75

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 2.4

Casing Design Assumptions and Worksheet(s):

SD WE 23 Fed P25 4H 9ppt plan 06-14-2016.pdf

Well Name: SD WE 23 FED P25 Well Number: 4H

String Type: PRODUCTION

Other String Type:

Hole Size: 8.75

Top setting depth MD: 0

Top setting depth TVD: 0

Top setting depth MSL: -5867

Bottom setting depth MD: 19269

Bottom setting depth TVD: 8990

Bottom setting depth MSL: -14857 Calculated casing length MD: 19269

Casing Size: 5.5

Other Size

Grade: HCP-110

Other Grade:

Weight: 20

Joint Type: OTHER

Other Joint Type: TXPBTCS

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 2.51

Burst Design Safety Factor: 3

Joint Tensile Design Safety Factor type: DRY

Joint Tensile Design Safety Factor: 1.51

Body Tensile Design Safety Factor type: DRY

Body Tensile Design Safety Factor: 2.48

Casing Design Assumptions and Worksheet(s):

SD WE 23 Fed P25 4H 9ppt plan_06-14-2016.pdf

SALADO DRAW PROD CSG SPEC_09-23-2016.pdf

Section 4 - Cement

Casing String Type: SURFACE

Well Name: SD WE 23 FED P25 Well Number: 4H

Stage Tool Depth:

Lead

Top MD of Segment: 0 Bottom MD Segment: 750 Cement Type: CLASS C

Additives: NONE Quantity (sks): 894 Yield (cu.ff./sk): 1.35

Density: 14.8 Volume (cu.ft.): 1.35 Percent Excess: 125

Tail

Top MD of Segment: 18269 Bottom MD Segment: Cement Type:

Additives: Quantity (sks): Yield (cu.ff./sk):

Density: Volume (cu.ft.): Percent Excess: 0

Casing String Type: INTERMEDIATE

Stage Tool Depth:

Lead

Top MD of Segment: 0 Bottom MD Segment: 3700 Cement Type: 50:50 POZ CLASS C

Additives: NONE Quantity (sks): 1045 Yield (cu.ff./sk): 2.43

Density: 11.9 Volume (cu.ft.): 2.43 Percent Excess: 150

Tail

Top MD of Segment: 3700 Bottom MD Segment: 4700 Cement Type: CLASS C

Additives: NONE Quantity (sks): 464 Yield (cu.ff./sk): 1.33

Density: 14.8 Volume (cu.ft.): 1.33 Percent Excess: 85

Casing String Type: PRODUCTION

Stage Tool Depth:

Lead

Top MD of Segment: 3850 Bottom MD Segment: 18269 Cement Type: 50:50 POZ CLASS H &

Additives: NONE Quantity (sks): 2725 Yield (cu.ff./sk): 1.62

Density: 12.5 Volume (cu.ft.): 1.62 Percent Excess: 35

Tail

Top MD of Segment: 18269 Bottom MD Segment: 19269 Cement Type: ACID SOLUBLE

Additives: NONE Quantity (sks): 116 Yield (cu.ff./sk): 2.18

Density: 15 Volume (cu.ft.): 2.18 Percent Excess: 0

Well Name: SD WE 23 FED P25 Well Number: 4H

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: IN ACCORDANCE WITH ONSHORE ORDER #2

Describe the mud monitoring system utilized: IN ACCORDANCE WITH ONSHORE ORDER #2 VISUAL MUD MONITORING EQPT, PVT, STROKE COUNTER, FLOW SENSOR

Circulating Medium Table

Top Depth: 0	Bottom Depth: 750
Mud Type: SPUD MUD	
Min Weight (lbs./gal.): 8.3	Max Weight (lbs./gal.): 8.7
Density (lbs/cu.ft.):	Gel Strength (lbs/100 sq.ft.):
PH:	Viscosity (CP):
Filtration (cc):	Salinity (ppm):
Additional Characteristics:	
Top Depth: 4700	Bottom Depth: 19269
Mud Type: OTHER	
Min Weight (lbs./gal.): 8.3	Max Weight (lbs./gal.): 9.6
Density (lbs/cu.ft.):	Gel Strength (lbs/100 sq.ft.):
PH:	Viscosity (CP):
Filtration (cc):	Salinity (ppm):

Well Name: SD WE 23 FED P25 Well Number: 4H

Top Depth: 750 Bottom Depth: 4700

Mud Type: WATER-BASED MUD

Min Weight (lbs./gal.): 9.5 Max Weight (lbs./gal.): 10.1

Density (lbs/cu.ft.): Gel Strength (lbs/100 sq.ft.):

PH: Viscosity (CP):

Filtration (cc): Salinity (ppm):

Additional Characteristics:

Section 6 - Test, Logging, Coring

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

DRILL STEM TESTS ARE NOT PLANNED

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

MWD

Coring operation description for the well:

CONVENTIONAL WHOLE CORE SAMPLES ARE NOT PLANNED

DIRECTIONAL SURVEY WILL BE RUN

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4500 Anticipated Surface Pressure: 2522.19

Anticipated Bottom Hole Temperature(F): 145

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

SD WE 23 Fed P25 H2S Summary 07-05-2016.pdf

Well Name: SD WE 23 FED P25 Well Number: 4H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

SD WE 23 Fed P25 4H - Plan 1 04-20-16_06-14-2016.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Other Variance attachment:

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

SD WE 23 FED P25_Existing Roads_07-05-2016.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? YES

Existing Road Improvement Description: REPAIR POT HOLES, CLEAR DITCHES, REPAIR CROWN, ETC.

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

SD WE 23 FED P25 New Roads_09-06-2016.pdf

New road type: LOCAL

Length: 4739 Feet Width (ft.): 14

Max slope (%): 2 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: SUP

New road access plan or profile prepared? NO

Well Name: SD WE 23 FED P25 Well Number: 4H

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Access surfacing type: NONE

Access topsoil source: OFFSITE

Access surfacing type description:

Access onsite topsoil source depth:

Offsite topsoil source description: SUP

Onsite topsoil removal process:

Access other construction information: SUP

Access miscellaneous information: SUP

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: SUP

Road Drainage Control Structures (DCS) description: None Required

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:

SD WE 23 FED PAD 25 - 1 MILE RADIUS Maps_06-08-2016_07-05-2016.pdf

Existing Wells description:

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Estimated Production Facilities description:

Production Facilities description:

Production Facilities map:

SD WE 23 FED P25 1H-4H RevAerialDetail 07-05-2016.pdf

Well Name: SD WE 23 FED P25 Well Number: 4H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source use type: INTERMEDIATE/PRODUCTION CASING,

Water source type: GW WELL

STIMULATION, SURFACE CASING

Describe type:

Source longitude:

Source latitude: Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 660000 Source volume (acre-feet): 85.06944

Source volume (gal): 27720000

Water source and transportation map:

SD WE 23 FED P25 1H-4H _RevAerialDetail_07-05-2016.pdf

Water source comments: Fresh water will be obtained from a private water source, stored in existing ponds in NE4 NW4 Section 19 of T26S-R33E & NW4 NW4 Section 29 of T26S R33E.

Well Longitude:

New water well? NO

New Water Well Info

Well latitude:

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:

Well Name: SD WE 23 FED P25 Well Number: 4H

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: Caliche will be sourced from a pit in Section 22, T26S-R33E or an alternative pit in Section 21, T26S-R32E, Lea County, NM.

Construction Materials source location attachment:

SD WE 23 P25 4H APD SUP_07-05-2016.pdf

Section 7 - Methods for Handling Waste

Waste type: GARBAGE

Waste content description: GARBAGE & TRASH PRODUCED DURING DRILLING

Amount of waste: 200 barrels

Waste disposal frequency: Daily

Safe containment description: WILL BE COLLECTED IN A TRASH CONTAINER & DISPOSED OF AT A STATE

APPROVED DISP FACILITY
Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: STATE

FACILITY

Disposal type description:

Disposal location description: STATE APPROVED DISPOSAL FACILITY

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? NO

Description of cuttings location

Cuttings area length (ft.)

Cuttings area width (ft.)

Well Name: SD WE 23 FED P25 Well Number: 4H

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:

SD WE 23 FED P25 1H-4H _Exhibit 4_06-14-2016.pdf

Comments: A COMPRESSOR STATION WILL BE CONSTRUCTED ADJACENT TO THE NEW TANK BTRY TO PROVIDE COMPRESSION FOR GAS LIFT

Section 9 - Well Site Layout

Well Site Layout Diagram:

SD WE 23 FED P25 1H-4H Rig Layout_07-05-2016.pdf SD WE 23 FED P25 4H_Well Pad_07-19-2016.pdf Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: NEW

Recontouring attachment:

SD WE 23 FED P25 1H-4H Cut and Fill 07-05-2016.pdf

SD WE 23 P25 4H APD SUP_09-23-2016.pdf

SD WE 23 FED P25 1H-4H Reclaimation Plat_09-23-2016.pdf

Drainage/Erosion control construction: See SUP

Drainage/Erosion control reclamation: See SUP

Wellpad long term disturbance (acres): 2.5

Access road long term disturbance (acres): 1.5

Pipeline long term disturbance (acres): 3.9352617

Other long term disturbance (acres): 0

Total long term disturbance: 7.9352617

Reconstruction method: SUP

Topsoil redistribution: SUP

Soil treatment: SUP

oon troutment. oor

Wellpad short term disturbance (acres): 4

Access road short term disturbance (acres): 1.5

Pipeline short term disturbance (acres): 7.8705235

Other short term disturbance (acres): 0

Total short term disturbance: 13.370523

Existing Vegetation at the well pad: MESQUITE, SHRUBS, GRASS

Well Name: SD WE 23 FED P25 Well Number: 4H

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: MESQUITE, SHRUBS, GRASS

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: MESEQUITE, SHRUBS, GRASS

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: MESEQUITE, SHRUBS, GRASS

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 Managemer	nt	
Seed Table		
Seed type:		Seed source:
Seed name:		
Source name:		Source address:
Source phone:		
Seed cultivar:		
Seed use location:		
PLS pounds per acre:		Proposed seeding season:
Seed S	ummary	Total pounds/Acre:
Seed Type	Pounds/Acre	

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: KEVIN Last Name: DICKERSON

Phone: (432)687-7104 Email: LFUH@CHEVRON.COM

Well Name: SD WE 23 FED P25 Well Number: 4H

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: See SUP

Weed treatment plan attachment:

Monitoring plan description: See SUP

Monitoring plan attachment:

Success standards: AS PER BLM REQUIREMENTS

Pit closure description: None Required

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

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:

Well Name: SD WE 23 FED P25 Well Number: 4H

Section 12 - Other Information

Right of Way needed? YES

Use APD as ROW? YES

ROW Type(s): 287001 ROW - Water Facility, 288100 ROW - O&G Pipeline

ROW Applications

SUPO Additional Information:

Use a previously conducted onsite? YES

Previous Onsite information: On-site performed by BLM NRS: Paul Murphy 3/21/2016

Other SUPO Attachment

PWD

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

Operator Name: CHEVRON USA INC Well Number: 4H Well Name: SD WE 23 FED P25 Produced Water Disposal (PWD) Location: PWD disturbance (acres): PWD surface owner: 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: Decribe 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:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Well Name: SD WE 23 FED P25 Well Number: 4H

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?

Well Name: SD WE 23 FED P25 Well Number: 4H

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:

Bond Info

Bond Information

Federal/Indian APD: FED

BLM Bond number: CA0329

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:

Well Name: SD WE 23 FED P25 Well Number: 4H

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Operator Certification

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: Denise Pinkerton Signed on: 06/14/2016

Title: Regulatory Specialist

Street Address: 6301 Deauville Blvd.

City: Midland State: TX Zip: 79706

Phone: (432)687-7375

Email address: leakejd@chevron.com

Field Representative

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

Payment Info

Payment

APD Fee Payment Method: BLM DIRECT

CBS Receipt number: 3586282

1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA TVD	KBTVD	MD
Rustler	2473	650	
Castile	123	3000	
Lamar	-1577	4700	
Bell Canyon	-1857	4980	
Cherry Canyon	-2752	5875	
Brushy Canyon	-4302	7425	
Bone Spring Limestone	-5682	8805	
Upr. Avalon	-5752	8875	
Lateral TD (Upper Avalon)	-5867	8990	19269

2. ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING FORMATIONS

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Deepest Ex	xpected Base of Fresh Water	700
Water	Rustler	650
Water	Bell Canyon	4980
Water	Cherry Canyon	5875
Oil/Gas	Brushy Canyon	7425
Oil/Gas	Bone Spring Limestone	8805
Oil/Gas	Upr. Avalon	8875
	1	A STATE OF THE STA
	1	
	1 1	

All shows of fresh water and minerals will be reported and protected.

3. BOP EQUIPMENT

Will have a minimum of a 5000 psi rig stack (see proposed schematic) for drill out below surface casing. Stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, intermediate, and production will take place. A full BOP test will be performed unless approval from BLM is received otherwise.

Chevron requests a variance to use a FMC UH2 Multibowl wellhead, which will be run through the rig foor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal.

CONFIDENTIAL -- TIGHT HOLE DRILLING PLAN PAGE: 2

4. CASING PROGRAM

a. The proposed casing program will be as follows:

Purpose	From	То	Hole Size	Csg Size	Weight	Grade	Thread	ondition
Surface	0'	850'	17-1/2"	13-3/8"	55 #	J55	STC	New
Intermediate	0'	4,700'	12-1/4"	9-5/8"	40 #	HCK-55	LTC	New
Production	0'	19,269'	8-3/4"	5-1/2"	20.0 #	HCP-110	TXP BTC S	New

- b. Casing design subject to revision based on geologic conditions encountered.
- c. ***A "Worst Case" casing design for wells in a particular area is used below to calculate the Casing Safety Factors. If for any reason the casing design for a particular well requires setting casing deeper than the following "worst case" design, then the Casing Safety Factors will be recalcuated & sent to the BLM prior to drilling.
- d. Chevron will fill casing at a minimum of every 20 jts (840') while running for intermediate and production casing in order to maintain collapse SF.

SF Calculations based on the following "Worst Case" casing design:

Surface Casing:

850'

Intermediate Casing:

4800'

Production Casing:

22,000' MD/9,200' TVD (12,800' VS @ 90 deg inc)

Casing String	Min SF Burst	Min SF Collapse	Min SF Tension	Min SF Tri-Axial
Surface	1.40	1.92	2.40	1.75
Intermediate	1.21	3.02	2.15	1.48
Production	1.30	2.51	2.48	1.51

Min SF is the smallest of a group of safety factors that include the following considerations:

	Surf	Int	Prod
Burst Design			
Pressure Test- Surface, Int, Prod Csg	X	X	X
P external: Water			
P internal: Test psi + next section heaviest mud in	csg		
Displace to Gas- Surf Csg	X		
P external: Water			
P internal: Dry Gas from Next Csg Point			
Frac at Shoe, Gas to Surf- Int Csg		X	0.
P external: Water			
P internal: Dry Gas, 13 ppg Frac Gradient			
Stimulation (Frac) Pressures- Prod Csg			X
P external: Water			
P internal: Max inj pressure w/ heaviest injected fl	uid		
Tubing leak- Prod Csg (packer at KOP)			X
P external: Water			
P internal: Leak just below surf, 8.7 ppg packer flu	ıid		
Collapse Design			
Full Evacuation	X	X	X
P external: Water gradient in cement, mud above	тос		
P internal: none			
Cementing- Surf, Int, Prod Csg	X	X	X
P external: Wet cement			
P internal: water			
Tension Design			
100k lb overpull	X	X	X

5. **CEMENTING PROGRAM**

Slurry	Type	Тор	Bottom	Weight	Yield	%Excess	Sacks	Water
Surface				(ppg)	(sx/cu ft)	Open Hole		gal/sk
Tail	Class C	0'	750'	14.8	1.35	125	894	6.57
ntermediate								
Lead	50:50 Poz Class C	0'	3,700'	11.9	2.43	150	1045	14.21
Tail	Class C	3,700'	4,700'	14.8	1.33	85	464	6.37
Production					_			
1st Lead	50:50 Poz Class H	3,850'	8,458'	11.5	2.51	50	656	15.51
2nd Lead	TXI	8,458'	18,269'	12.5	1.62	35	2069	9.64
Tail	Acid Soluble	18,269'	19,269'	15	2.18	0	116	11.42

1. Final cement volumes will be determined by caliper.

^{2.} Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

^{3.} Production casing will have one horizontal type centralizer on every joint for the first 1000' from TD, then every other joint to EOB, and then every third joint to KOP. Bowspring type centralizers will be run from KOP to intermediate casing.

6. MUD PROGRAM

From	То	Туре	Weight	F. Vis	Filtrate
0'	750'	Spud Mud	8.3 - 8.7	32 - 34	NC - NC
750'	4,700'	Brine	9.5 - 10.1	28 - 30	NC - NC
4,700'	8,458'	Invermul	8.3 - 9.6	70 - 75	25 - 30
8,458'	9,374'	Invermul	8.3 - 9.6	70 - 75	25 - 30
9,374'	19,269'	Invermul	8.3 - 9.6	70 - 75	25 - 30

A closed system will by utilized consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

7. TESTING, LOGGING, AND CORING

The anticipated type and amount of testing, logging, and coring are as follows:

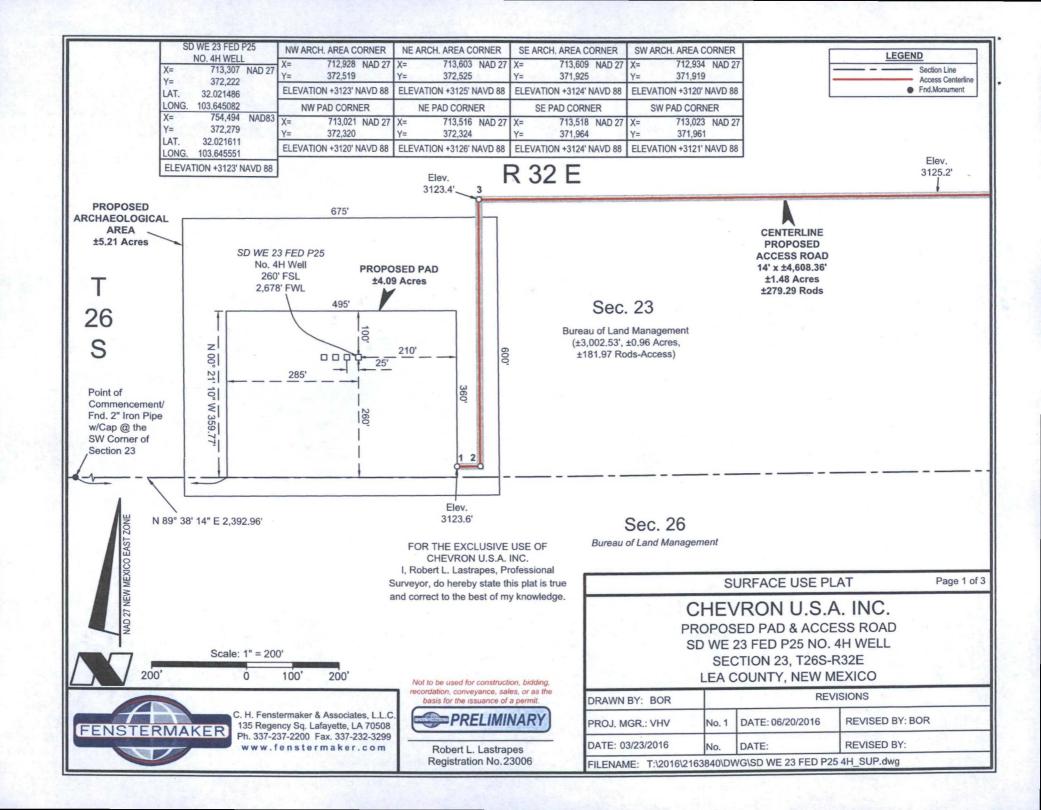
- a. Drill stem tests are not planned.
- b. The logging program will be as follows:

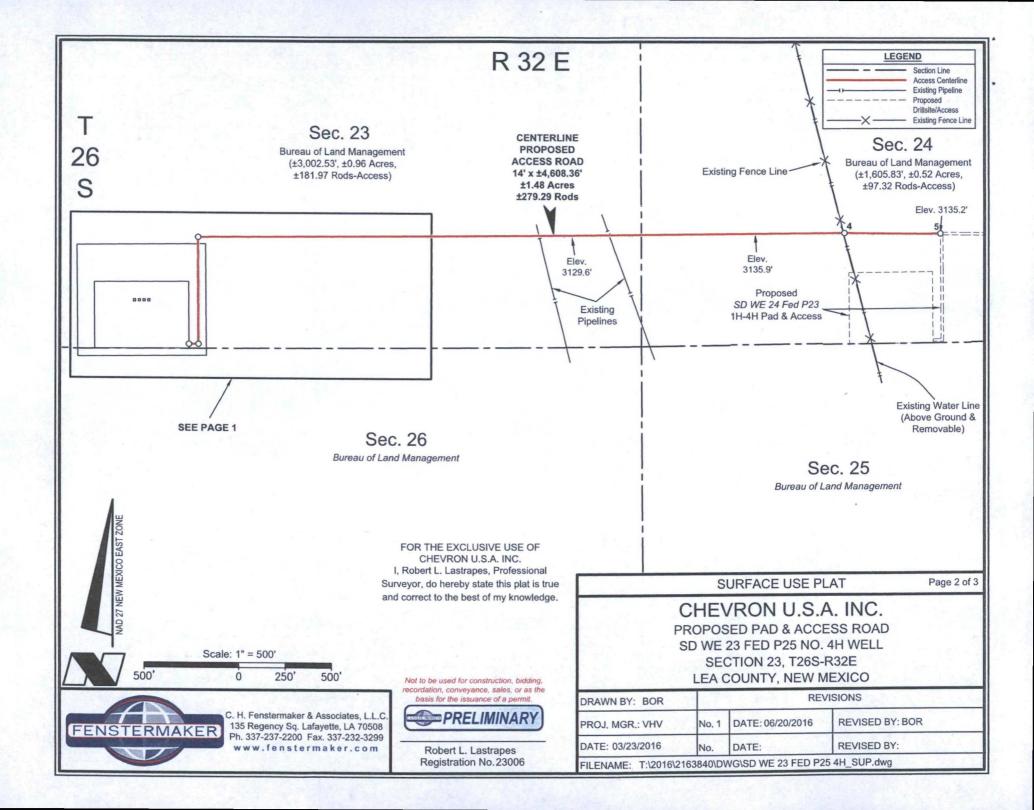
TYPE	Logs	Interval	Timing	Vendor
Mudlogs	2 man mudlog	Int Csg to TD	Drillout of Int Csg	TBD
LWD	MWD Gamma	Int. and Prod. Hole	While Drilling	TBD

- c. Conventional whole core samples are not planned.
- d. A Directional Survey will be run.

8. ABNORMAL PRESSURES AND HYDROGEN SULFIDE

- a. No abnormal pressures or temperatures are expected. Estimated BHP is:
- 4500 psi
- b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered





Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:

Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance: New Mexico One Call System www.nmonecall.org.

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC. I. Robert L. Lastrapes, Professional Surveyor, do hereby state this plat is true and correct to the best of my knowledge.

> Not to be used for construction, bidding. recordation, conveyance, sales, or as the basis for the issuance of a permit



Robert L. Lastrapes Registration No. 23006

CENTERLINE PROPOSED ACCESS ROAD				
COURSE	BEARING	DISTANCE		
1-2	N 89° 38' 23" E	49.93'		
2-3	N 00° 21' 07" W	575.73'		
3-4	N 89° 34' 55" E	3465.96'		
4-5	S 89° 28' 31" E	516.74'		

SURFACE USE PLAT

Page 3 of 3

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD SD WE 23 FED P25 NO. 4H WELL SECTION 23, T26S-R32E LEA COUNTY, NEW MEXICO

DRAWN BY: BOR	REVISIONS			
PROJ. MGR.: VHV	No. 1	DATE: 06/20/2016	REVISED BY: BOR	
DATE: 03/23/2016	No.	DATE:	REVISED BY:	



C. H. Fenstermaker & Associates, L.L.C. 135 Regency Sq. Lafayette, LA 70508 Ph. 337-237-2200 Fax. 337-232-3299 www.fenstermaker.com

BLOWOUT PREVENTOR SCHEMATIC

Minimum Requirements

OPERATION: Intermediate and Production Hole Sections

Minimum System
Pressure Rating: 5,000 psi

	SIZE	PRESSUR	Bell Nipple						
В	13 5/	N/A 8" 5,000 psi	Annular						
C	13 5/		Pipe Ram	Flowline to Shaker					
D	13 5/	-	Blind Ram	A					
E	13 5/1	-		Fill Up Line					
F	13 3/	5,000 psi	Mud Cross						
-	DSA	Ac requir	ed for each hole size						
	C-Sec	As requir	ed for each hole size	€ B					
-	B-Sec	13-5/	8" 5K x 11" 5K						
	A-Sec		SOW x 13-5/8" 5K						
		IZIII	Line						
			Line						
	SIZE	5,000 psi	DESCRIPTION						
-	2"	5,000 psi	Gate Valve						
-	2"	5,000 psi	Gate Valve	2000					
	_	3,000 psi	CHECK VAIVE	C D					
-				Kill Line- 2" minimum Choke Line to Choke Manifold- 3"					
		01.1		minimum					
	0175		e Line						
	SIZE	5,000 psi	DESCRIPTION Gate Valve	The state of the s					
-	3"	5,000 psi	HCR Valve	HCR Valve					
			TICH Valve						
				ı ı					
	- 1	nstallatio	on Checklist						
		The following	item must be verified a	nd checked off prior to pressure testing of BOP equipment.					
	ti	is schematic	. Components may be s	least the minimum requirements (rating, type, size, configuration) as shown on ubstituted for equivalent equipment rated to higher pressures. Additional					
	0	omponents m	ay be put into place as	long as they meet or exceed the minimum pressure rating of the system.					
L	All valves on the kill line and choke line will be full opening and will allow straight though flow.								
The kill line and choke line will be straight unless turns use tee blocks or are targeted with running tess, and will be anchored to prevent whip and reduce vibration.									
	Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be installed on all manual valves on the choke line and kill line.								
	A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.								
Г	Upper kelly cock valve with handle will be available on rig floor along with safety valve and subs to fit all drill string connections in use.								
	Connections in use.								
Af	After Installation Checklist is complete, fill out the information below and email to Superintendent and Drilling Engineer								
	Wellname:								
Representative:									
			Date:						

CHOKE MANIFOLD SCHEMATIC

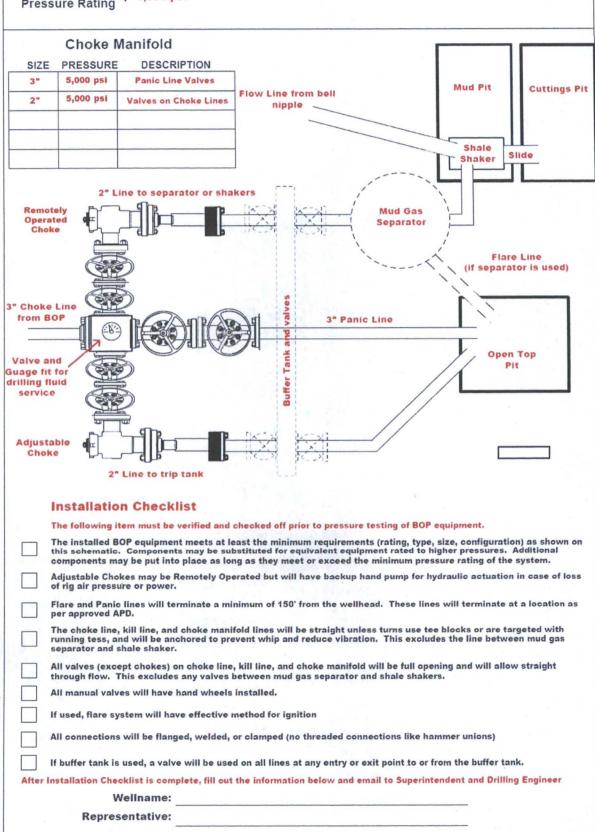
Minimum Requirements

OPERATION: Intermediate and Production Hole Sections

Minimum System 5,000 psi

Pressure Rating

Date:



BOPE Testing

Minimum Requirements

Closing Unit and Accumulator Checklist

The following item must be performed, verified, and checked off at least once per well prior to low/high pressure testing of BOP equipment. This must be repeated after 6 months on the same well.

		Tested precharge press	ures must be recor	ded for each individual	may be further charged bottle and kept on location					
one th	at procesure rating	Minimum acceptable operating pressure	Desired precharge pressure	Maximum acceptable precharge pressure	Minimum acceptable precharge pressure					
	1500 psi	1500 psi	750 psi	800 psi	700 psi					
	2000 psi	2000 psi	1000 psi	1100 psi	900 psi					
	3000 psi 3000 psi 1000 psi 1100 psi 900 psi									
	with test pressure recor	preventer, and retain a re) on the closing manif ded and kept on location roir will be double the u	minimum of 200 ps fold without the use on through the end of sable fluid volume	i above the maximum a of the closing pumps. of the well of the accumulator sys						
	be recorded. Reservoir location through the end	fluid level will be record of the well.	ded along with man	ufacturer's recommend	lation. All will be kept on					
	Closing unit system will have two independent power sources (not counting accumulator bottles) to close the preventers. Power for the closing unit pumps will be available to the unit at all times so that the pumps will automatically start when the closing valve manifold pressure decreases to the pre-set level. It is recommended to check that air line to accumulator pump is "ON" during each tour change.									
	With accumulator bottles isolated, closing unit will be capable of opening the hydraulically-operated choke line valve (if used) plus close the annular preventer on the smallest size drill pipe within 2 minutes and obtain a minimum of 200 psi above maximum acceptable precharge pressure (see table above) on the closing manifold. Test pressure and closing time will be recorded and kept on location through the end of the well.									
	Master controls for the last preventer and the ch		cated at the accum	ulator and will be capa	ble of opening and closing					
	Remote controls for the BOPE system will be readily accessible (clear path) to the driller and located on the rig floor (not in the dog house). Remote controls will be capable of closing all preventers.									
	Record accumulator tes		d IADC sheet est Checklist							
	-									
	11	ne following item must	be ckecked off prio	r to beginning test						
	BLM will be given at lea	st 4 hour notice prior to	beginning BOPE to	esting						
	Valve on casing head below test plug will be open									
	Test will be performed u									
	The follow	ving item must be perfo	rmed during the BC	PE testing and then ch	necked off					
	BOPE will be pressure tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs, and at a minimum of 30 days intervals. Test pressure and times will be recorded by a 3rd party on a test chart and kept on location through the end of the well.									
	Test plug will be used									
	Ram type preventer and	all related well control	equipment will be	tested to 250 psi (low)	and 5,000 psi (high).					
	Annular type preventer v	vill be tested to 250 psi	i (low) and 3,500 ps	i (high).						
	Valves will be tested from the working pressure side with all down stream valves open. The check valve will be held open to test the kill line valve(s)									
	Each pressure test will be held for 10 minutes with no allowable leak off.									
	Master controls and remote controls to the closing unit (accumulator) must be function tested as part of the BOP testi									
	Record BOP tests and pr	essures in drilling repo	rts and IADC sheet							
	Installation Checklist is any/all BOP and accumul				lent and Drilling Engineer <u>alon</u>					
	Wellname:									
	Representati	ve:								
	Da	te:		3.11	_					