Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Type of Action APD Change

Date Sundry Submitted: 01/14/2021

Time Sundry Submitted: 01:36

Date proposed operation will begin: 01/15/2021

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change SHL to T-25-S R-32-E Sec 26 1128 feet FNL 1031 feet FEL Lea Co, NM (on approved disturbance) Change BHL to T-25-S R-32-E Sec 35 100 feet FSL 1369 feet FEL Lea Co, NM Expand destination pad 33' to the south (approved by Matias Telles via email 1/8/2021)

Application

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Section 1 - General

APD ID: 10400052334

Tie to previous NOS? N

Submission Date: 12/12/2019

BLM Office: CARLSBAD

User: STAR HARRELL

Title: Regulatory Specialist

Federal/Indian APD: FED

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

Lease number: NMNM110836

Lease Acres:

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? N

Permitting Agent? NO

APD Operator: EOG RESOURCES INCORPORATED

Operator letter of designation:

Operator Info

Operator Organization Name: EOG RESOURCES INCORPORATED

Operator Address: 1111 BAGBY SKY LOBBY2

Zip: 77002

Operator PO Box:

Operator City: HOUSTON

State: TX

Operator Phone: (713)651-7000

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: FEARLESS 26 FED COM

Well Number: 721H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: BOBCAT DRAW;UPPER WOLFCAMP

Pool Name: WC-025 G-09 S243336I; UPPER WOLFCAMP

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

Is the proposed well in a Helium production area? N

Use Existing Well Pad? N

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: FEARLESS 26 FED COM

Number: 703H/721H/722H

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 33 FT **Distance to lease line:** 100 FT

Reservoir well spacing assigned acres Measurement: 640 Acres

Well plat: FEARLESS_26_FED_COM_721H_C_102_20191212121737.pdf

Well work start Date: 07/22/2020 **Duration:** 25 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** KELLY BUSHING

Wellbore	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	Will this well produce from this lease?
SHL Leg #1	751	FNL	1656	FEL	25S	32E	26	Aliquot NWNE	32.1066697	-103.6424122	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 110836	3395	0	0	Y
KOP Leg #1	50	FNL	1109	FEL	25S	32E	26	Aliquot NENE	32.1085988	-103.6415378	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 110836	-8490	11947	11885	Y
PPP Leg #1-1	2628	FNL	1109	FEL	25S	32E	26	Aliquot NESE	32.1014984	-103.640694	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 108970	-8967	14804	12362	Y
PPP Leg #1-2	100	FNL	1123	FEL	25S	32E	26	Aliquot NENE	32.1084646	-103.6406843	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 110836	-8702	12168	12097	Y

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Wellbore	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	Will this well produce from this lease?
EXIT Leg #1	100	FSL	1109	FEL	25S	32E	35	Aliquot SESE	32.0799873	-103.6409184	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 108973	-8967	22630	12362	Y
BHL Leg #1	100	FSL	1109	FEL	25S	32E	35	Aliquot SESE	32.0799873	-103.6409184	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 108973	-8967	22630	12362	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1381714	PERMIAN	3395	0	0	ALLUVIUM	NONE	N
1381715	RUSTLER	2660	735	735	ANHYDRITE	NONE	N
1381716	TOP SALT	2324	1071	1071	SALT	NONE	N
1381718	BASE OF SALT	-1104	4499	4499	SALT	NONE	N
1381719	LAMAR	-1338	4733	4733	LIMESTONE	NONE	N
1381720	BELL CANYON	-1364	4759	4759	SANDSTONE	NATURAL GAS, OIL	N
1381721	CHERRY CANYON	-2343	5738	5738	SANDSTONE	NATURAL GAS, OIL	N
1381722	BRUSHY CANYON	-4173	7568	7568	SANDSTONE	NATURAL GAS, OIL	N
1381717	BONE SPRING LIME	-5456	8851	8851	LIMESTONE	NONE	N
1381723	FIRST BONE SPRING SAND	-6434	9829	9829	SANDSTONE	NATURAL GAS, OIL	N
1381724	BONE SPRING 2ND	-6940	10335	10335	SANDSTONE	NATURAL GAS, OIL	N
1381727	BONE SPRING 3RD	-8128	11523	11523	SANDSTONE	NATURAL GAS, OIL	N
1381728	WOLFCAMP	-8588	11983	11983	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Pressure Rating (PSI): 10M

Rating Depth: 12362

Equipment: A multi-bowl wellhead system will be utilized. After running the 9-5/8 surface casing, a 9-5/8 BOP/BOPE system with a minimum working pressure of 10,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 10,000 psi pressure test. This pressure test will be repeated at least every 30 days, as per Onshore Order No. 2 The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 10,000 psi. The multi-bowl wellhead will be installed by vendors representative(s). A copy of the installation instructions for the Cactus Multi-Bowl WH system has been sent to the NM BLM office in Carlsbad, NM. The wellhead will be installed by a third party welder while being monitored by WH vendors representative. All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type. A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi. Casing strings will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1500 psi, whichever is greater.

Requesting Variance? YES

Variance request: Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line). Variance is requested to use a 5,000 psi annular BOP with the 10,000 psi BOP stack. Variance is requested to waive the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation. Variance is also requested to waive any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation. Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement. EOG requests permission to allow deviation from the 0.422'' annulus clearance requirement from Onshore Order #2 under the following conditions: - Annular clearance to meet or exceed 0.422'' between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings. - Annular clearance less than 0.422'' is acceptable for the curve and lateral portions of the production open hole section.

Testing Procedure: Pipe rams and blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

Choke Diagram Attachment:

10_M_Choke_Manifold_20190806071739.pdf

Co_Flex_Hose_Test_Chart_20190806071738.pdf

Co_Flex_Hose_Certification_20190806071738.pdf

BOP Diagram Attachment:

10_M_BOP_Diagram_9.675_in_20190806071748.pdf

EOG_BLM_10M_Annular_Variance___9.675_in_20190806071758.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	
1	SURFACE	12.25	9.625	NEW	API	N	0	900	0	900	3395	2495	900	J-55	40	LT&C	1.125	1.25	BUOY	1.6	BUOY	1.
2	PRODUCTION	6.75	5.5	NEW	API	N	0	10600	0	10600	3531	-7205	10600	OTHER	20	OTHER - DWC/C-IS MS	1.125	1.25	BUOY	1.6	BUOY	1.

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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	
3	INTERMEDIATE	8.75	7.625	NEW	API	N	0	11100	0	11100	3491	-7705	11100	HCP-110	29.7	OTHER - FXL	1.125	1.25	BUOY	1.6	BUOY	1.
4	PRODUCTION	6.75	5.5	NEW	API	N	10600	11100	10600	11100	-7203	-7705	500	OTHER	20	OTHER - VAM SFC	1.125	1.25	BUOY	1.6	BUOY	1.
5	PRODUCTION	6.75	5.5	NEW	API	N	11100	22630	11100	12362	-7703	-8967	11530	OTHER	20	OTHER - DWC/C-IS MS	1.125	1.25	BUOY	1.6	BUOY	1.

Casing Attachments

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

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Fearless_26_Fed_Com_721H_Permit_Info_REV1_20200220132736.pdf

Casing ID: 2 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.500in_20.00_VST_P110EC_DWC_C_IS_MS_Spec_Sheet_20191212123233.pdf

Please_see_previously_attached_drill_plan_20191212113945.pdf

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Casing Attachments

Casing ID: 3 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7.625in_29.70_P110HC_FXL_20191212123246.pdf

Please_see_previously_attached_drill_plan_20191212123252.pdf

Casing ID: 4 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.500in_20.00_VST_P110EC_VAM_SFC_20191212123315.pdf

Please_see_previously_attached_drill_plan_20191212123320.pdf

Casing ID: 5 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.500in_20.00_VST_P110EC_DWC_C_IS_MS_Spec_Sheet_20191212123344.pdf

Please_see_previously_attached_drill_plan_20191212123349.pdf

Section 4 - Cement

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	N/A	N/A

PRODUCTION	Lead		0	0	0	0	0	0	0	n/a	n/a

SURFACE	Lead		0	700	750	1.73	13.5	1298	25	Class C	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
SURFACE	Tail		700	900	100	1.34	14.8	134	25	Class C	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 700')
INTERMEDIATE	Lead		0	7530	440	1.11	14.2	488	25	Class C	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
INTERMEDIATE	Tail		7530	11100	1000	2.3	12.7	2300	25	Class C	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,530')
PRODUCTION	Lead		0	22630	990	1.31	14.2	1297	25	Class H	Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,600')

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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: (A) A kelly cock will be kept in the drill string at all times. (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times. (C) H2S monitoring and detection equipment will be utilized from surface casing point to TD.
Describe the mud monitoring system utilized: The highest mud weight needed to balance formation is expected to be 11.5 ppg. In order to maintain hole stability, mud weights up to 14.0 ppg may be utilized. An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

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
900	11100	SALT SATURATED	10	10.2							
0	900	WATER-BASED MUD	8.6	8.8							
11100	11947	OIL-BASED MUD	8.7	9.4							
11947	12362	OIL-BASED MUD	10	14							

Section 6 - Test, Logging, Coring

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

Open-hole logs are not planned for this well.

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

DIRECTIONAL SURVEY,

Coring operation description for the well:

None

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8990 **Anticipated Surface Pressure:** 6270

Anticipated Bottom Hole Temperature(F): 181

Anticipated abnormal pressures, 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:

Fearless_26_Fed_Com_721H_H2S_Plan_Summary_20191212123525.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Fearless_26_Fed_Com_721H_Planning_Report_20191212123539.pdf

Fearless_26_Fed_Com_721H_Wall_Plot_20191212123542.pdf

Other proposed operations facets description:

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

(A) EOG Resources requests the option to contract a Surface Rig to drill, set surface casing, and cement on the subject well. After WOC 8 hours or 500 psi compressive strength (whichever is greater), the Surface Rig will move off so the wellhead can be installed. A welder will cut the casing to the proper height and weld on the wellhead (both A and B sections). The weld will be tested to 1000 psi. All valves will be closed and a wellhead cap will be installed (diagram attached). If the timing between rigs is such that EOG Resources would not be able to preset the surface, the Primary Rig will MIRU and drill the well in its entirety per the APD.

Other proposed operations facets attachment:

Fearless_26_Fed_Com_721H_Rig_Layout_20191212123557.pdf

5.500in_20.00_VST_P110EC_DWC_C_IS_MS_Spec_Sheet_20191211081843.pdf

5.500in_20.00_VST_P110EC_VAM_SFC_20191211081843.pdf

7.625in_29.70_P110HC_FXL_20191211081843.pdf

Wellhead_9.675_in_20191211081900.pdf

Fearless_26_Fed_Com_721H_Permit_Info_REV1_20200220132811.pdf

Other Variance attachment:

10_M_BOP_Diagram_9.675_in_20191211082015.pdf

10_M_Choke_Manifold_20191211082042.pdf

Co_Flex_Hose_Certification_20191211081938.pdf

Co_Flex_Hose_Test_Chart_20191211081938.pdf

EOG_BLM_10M_Annular_Variance___9.675_in_20191211081938.pdf

SUPO

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

FEARLESS_26_FED_COM_721H_Vicinity_20191212123639.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:

SK_FEARLESS_26_FED_COM_OVERALL_SKETCH_20191211084248.pdf
FEARLESS_26_FED_COM_721H_Padsite_20191212123927.pdf
FEARLESS_26_FED_COM_721H_Wellsite_20191212123932.pdf

New road type: RESOURCE

Length: 604 Feet **Width (ft.):** 25

Max slope (%): 2 **Max grade (%):** 20

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 24

New road access erosion control: Newly constructed or reconstructed roads will be constructed as outlined in the BLM "Gold Book" and to meet the standards of the anticipated traffic flow and all anticipated weather requirements as needed. Construction will include ditching, draining, crowning and capping or sloping and dipping the roadbed as necessary to provide a well-constructed and safe road. We plan to grade and water twice a year.

New road access plan or profile prepared? N

New road access plan attachment:

Access road engineering design? N

Access road engineering design attachment:

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Access surfacing type description: 6" of Compacted Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: An adequate amount of topsoil/root zone will be stripped by dozer from the proposed well location and stockpiled along the side of the well location as depicted on the well site diagram / survey plat.

Access other construction information:

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: CULVERT

Drainage Control comments: An appropriately sized culvert will be installed where drainages cross the access road.

Road Drainage Control Structures (DCS) description: N/A

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

FEARLESS_26_FED_COM_721H_Radius_20191212123946.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Fearless 26 Fed Com CTB West is located in the NE/4 of Section 26

Production Facilities map:

EP_FEARLESS_26_FED_COM_721H_703H_722H_FL_S_20191212114430.pdf
EP_FEARLESS_26_FED_COM_721H_703H_722H_ROAD_S_20191212114439.pdf
SK_FEARLESS_26_FED_COM_OVERALL_SKETCH_20191211084626.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: RECYCLED

Water source use type: OTHER

Describe use type: Water will be supplied from the frac water source map. This location will be drilled using a c (outlined in the drilling program). The water will be obta in the area or recycled treated water and hauled to loca using existing and proposed roads depicted on the prop these cases where a poly pipeline is used to transport f proper authorizations will be secured by the contractor.

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

OTHER

Describe use type: Water will be supplied from the fra water source map. This location will be drilled using a c (outlined in the drilling program). The water will be obta in the area or recycled treated water and hauled to loca using existing and proposed roads depicted on the prop these cases where a poly pipeline is used to transport f proper authorizations will be secured by the contractor.

Source latitude:

Source longitude:

Source datum:

Water source permit type: WATER RIGHT

Water source transport method: PIPELINE

TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 0

Source volume (acre-feet): 0

Source volume (gal): 0

Water source and transportation map:

WATER_CALICHE_MAP_20191211084922.pdf

Water source comments:

New water well? N

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:

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche will be supplied from pits shown on the attached caliche source map. Caliche utilized for the drilling pad will be obtained either from an existing approved mineral pit, or by benching into a hill, which will allow the pad to be level with existing caliche from the cut, or extracted by “Flipping” the well location. A mineral material permit will be obtained from BLM prior to excavating any caliche on Federal Lands. Amount will vary for each pad. The procedure for “Flipping” a well location is as follows: * -An adequate amount of topsoil/root zone (usually top 6 inches of soil) will be stripped from the proposed well location and stockpiled along the side of the well location as depicted on the well site diagram/survey plat. -An area will be used within the proposed well site dimensions to excavate caliche. Subsoil will be removed and stockpiled within the surveyed well pad dimensions. -Once caliche/surfacing mineral is found, the mineral material will be excavated and stock piled within the approved drilling pad dimensions. -Then, subsoil will be pushed back in the excavated hole and caliche will be spread accordingly across the entire well pad and road (if available). -Neither caliche, nor subsoil will be stock piled outside of the well pad dimensions. Topsoil will be stockpiled along the edge of the pad as depicted in the Well Site Layout or survey plat. * In the event that no caliche is found onsite, caliche will be hauled in from a BLM approved caliche pit or other established mineral pit. A BLM mineral material permit will be acquired prior to obtaining any mineral material from BLM pits or federal land.

Construction Materials source location attachment:

WATER_CALICHE_MAP_20191211084932.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drill fluids and produced oil and water from the well during drilling and completion operations will be stored safely and disposed of properly in an NMOCD approved disposal facility. Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly. Human waste and grey water will be properly contained of and disposed of properly. After drilling and completion operations; trash, chemicals, salts, frac sand, and other waste material will be removed and disposed of properly at a state approved disposal facility.

Amount of waste: 0 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

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

Disposal type description:

Disposal location description: Trucked to NMOCD approved disposal facility

Reserve Pit

Reserve Pit being used? N

Temporary disposal of produced water into reserve pit? NO

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

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Closed Loop System. Drill cuttings will be 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?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

Fearless_26_Fed_Com_721H_Rig_Layout_20191212124015.pdf
FEARLESS_26_FED_COM_721H_Padsite_20191212124024.pdf
FEARLESS_26_FED_COM_721H_Wellsite_20191212124029.pdf

Comments: Exhibit 2A-Wellsite & Exhibit 2B-Padsite Rig Layout Exhibit 4

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: FEARLESS 26 FED COM

Multiple Well Pad Number: 703H/721H/722H

Recontouring attachment:

FEARLESS_26_FED_COM_721H_Reclamation_20191212124045.pdf

Drainage/Erosion control construction: Proper erosion control methods will be used on the area to control erosion, runoff, and siltation of the surrounding area.

Drainage/Erosion control reclamation: The interim reclamation will be monitored periodically to ensure that vegetation has reestablished and that erosion is controlled.

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Well pad proposed disturbance (acres): 0

Road proposed disturbance (acres): 0

Powerline proposed disturbance (acres): 0

Pipeline proposed disturbance (acres): 0

Other proposed disturbance (acres): 0

Total proposed disturbance: 0

Well pad interim reclamation (acres): 0

Road interim reclamation (acres): 0

Powerline interim reclamation (acres): 0

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 0

Well pad long term disturbance (acres): 0

Road long term disturbance (acres): 0

Powerline long term disturbance (acres): 0

Pipeline long term disturbance (acres): 0

Other long term disturbance (acres): 0

Total long term disturbance: 0

Disturbance Comments: All Interim and Final reclamation must be within 6 months. Interim must be within 6 months of completion and final within 6 months of abandonment plugging. Dual pad operations may alter timing.

Reconstruction method: 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. Areas planned for interim reclamation will 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 redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts and fills. To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

Soil treatment: Re-seed according to BLM standards. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion is controlled.

Existing Vegetation at the well pad: Grass, forbs, and small woody vegetation, such as mesquite will be excavated as the topsoil is removed. Large woody vegetation will be stripped and stored separately and respreads evenly on the site following topsoil respreading. Topsoil depth is defined as the top layer of soil that contains 80% of the roots. In areas to be heavily disturbed, the top 6 inches of soil material, will be stripped and stockpiled on the perimeter of the well location and along the perimeter of the access road to control run-on and run-off, to keep topsoil viable, and to make redistribution of topsoil more efficient during interim reclamation. Stockpiled topsoil should include vegetative material. Topsoil will be clearly segregated and stored separately from subsoils.

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: All disturbed areas, including roads, pipelines, pads, will be recontoured to the contour existing prior to the initial construction or a contour that blends indistinguishably 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.

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: All disturbed areas, including roads, pipelines, pads, will be recontoured to the contour existing prior to the initial construction or a contour that blends indistinguishably 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.

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: All disturbed areas, including roads, pipelines, pads, will be recontoured to the contour existing prior to the initial construction or a contour that blends indistinguishably 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.

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	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? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, erosion is controlled, and free of noxious weeds. Weeds will be treated if found.
Weed treatment plan attachment:

Monitoring plan description: Reclamation will be completed within 6 months of well plugging. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, erosion is controlled, and free of noxious weeds.
Monitoring plan attachment:

Success standards: N/A

Pit closure description: NA

Pit closure attachment:

Section 11 - Surface Ownership

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Disturbance type: WELL PAD

Describe:

Surface Owner:

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:**

Section 12 - Other Information

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW Applications

SUPO Additional Information: An onsite meeting was conducted 5/31/18. See attached SUPO Plan.

Use a previously conducted onsite? N

Previous Onsite information:

Other SUPO Attachment

FEARLESS_26_FED_COM_721H_Location_20191212124102.pdf
SUPO_Fearless_26_Fed_Com_721H_20191212124115.pdf

PWD

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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? N

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:

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:

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

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:

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? N

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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? N

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? N

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:

Operator Certification

Well Name: FEARLESS 26 FED COM

Well Location: T25S / R32E / SEC 26 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110836

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548348

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

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: STAR HARRELL **Signed on:** 01/14/2021

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS DRIVE

City: MIDLAND **State:** TX **Zip:** 79702

Phone: (432)848-9161

Email address: Star_Harrell@eogresources.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

NOI Attachments

Procedure Description

Fearless_26_Fed_Com_721H_Planning_Report_20210114133513.pdf

Fearless_26_Fed_Com_721H_Wall_Plot_20210114133507.pdf

Well Name: FEARLESS 26 FED COM	**Well Location:** T25S / R32E / SEC 26 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110836	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002548348	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

LO_FEARLESS_26_FED_COM_721H_REV2_EXHIBIT2B_S_20210114133422.pdf

FEARLESS_26_FED_COM_721H_C_102_20210114133348.pdf

Fearless_26_Fed_Com_721H_Permit_Info___Revised_SHL__BHL_1.8.2020_20210114133308.pdf

Conditions of Approval

Additional Reviews

Fearless__Master_SurfaceUse_COAs_20210120143912.pdf

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HARRELL **Signed on:** JAN 14, 2021 01:35 PM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS DRIVE

City: MIDLAND **State:** TX

Phone: (432) 848-9161

Email address: Star_Harrell@eogresources.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752342234 **BLM POC Email Address:** cwalls@blm.gov

Disposition: Approved **Disposition Date:** 04/08/2021

Signature: Chris Walls

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

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025 **48348**	98180	WC025 G09 S253309P; Upper Wolfcamp

[4]Property Code	[5]Property Name	[6]Well Number
324860	FEARLESS 26 FED COM	721H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3396'

[10]Surface Location

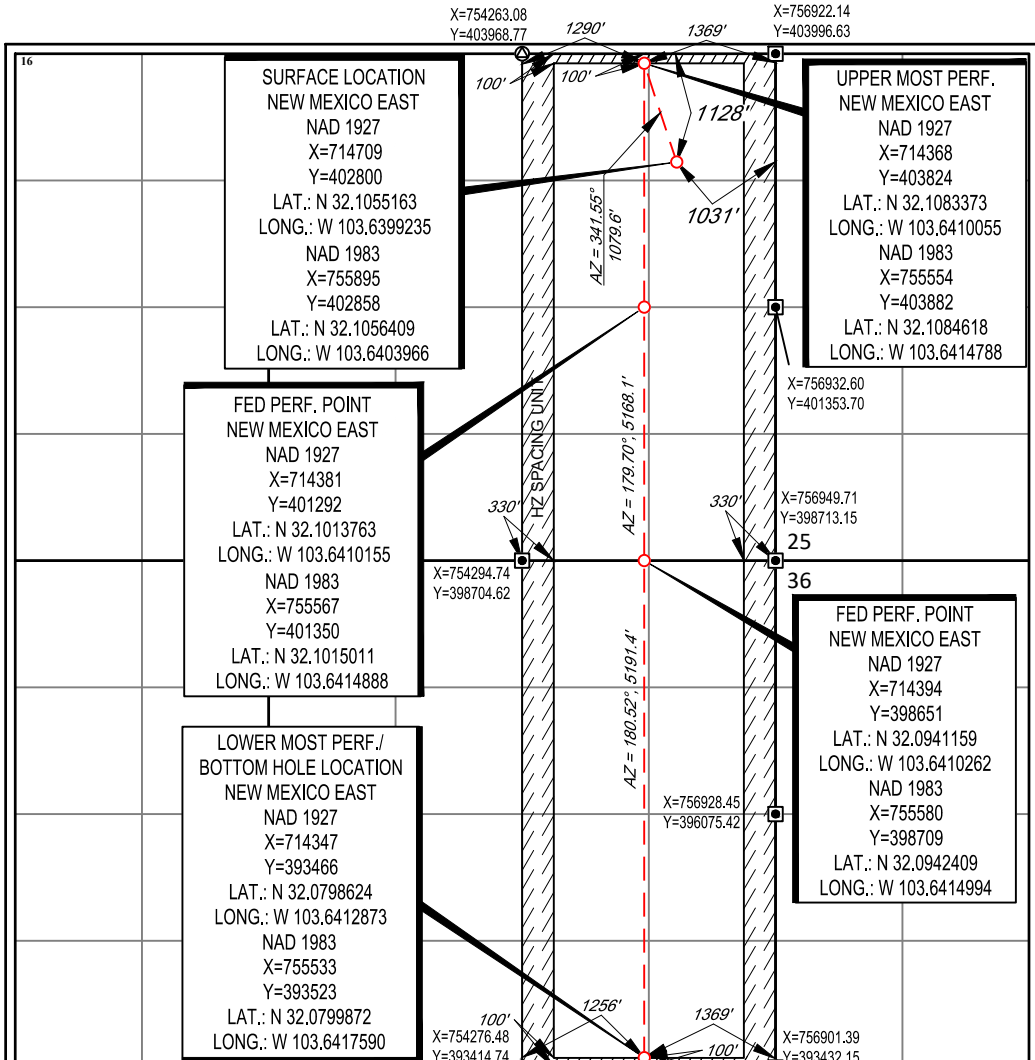
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	25-S	32-E	–	1128'	NORTH	1031'	EAST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	35	25-S	32-E	–	100'	SOUTH	1369'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
640.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Star L Harrell 1/14/21
Signature Date

Star L Harrell
Printed Name

star_harrell@eogresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

12/10/2020
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\FEARLESS_26_FED_COM\FINAL_PRODUCTS\LO_FEARLESS_26_FED_COM_721H_REV2_C102.DWG 12/30/2020 8:44:00 AM bgregory

Revised Permit Information 1/14/2020:

Well Name: Fearless 26 Fed Com #721H

Location:
SHL: 1128' FNL & 1031' FEL, Section 26, T-25-S, R-32-E, Lea Co., N.M.
BHL: 100' FSL & 1369' FEL, Section 35, T-25-S, R-32-E, Lea Co., N.M.

Design A

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
12.25"	0' – 900'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,100'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 10,600'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	10,600'–11,100'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	11,100' – 22,671'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests variance to allow deviation from the 0.422'' annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422'' between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422'' is acceptable for the curve and lateral portions of the production open hole section.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/sk	Slurry Description
900' 9-5/8"	260	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 700')
11,100' 7-5/8"	440	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,360')
	1,240	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,671' 5-1/2"	1,020	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,600')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8'' intermediate casing string with the first stage being pumped conventionally with the calculated TOC at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

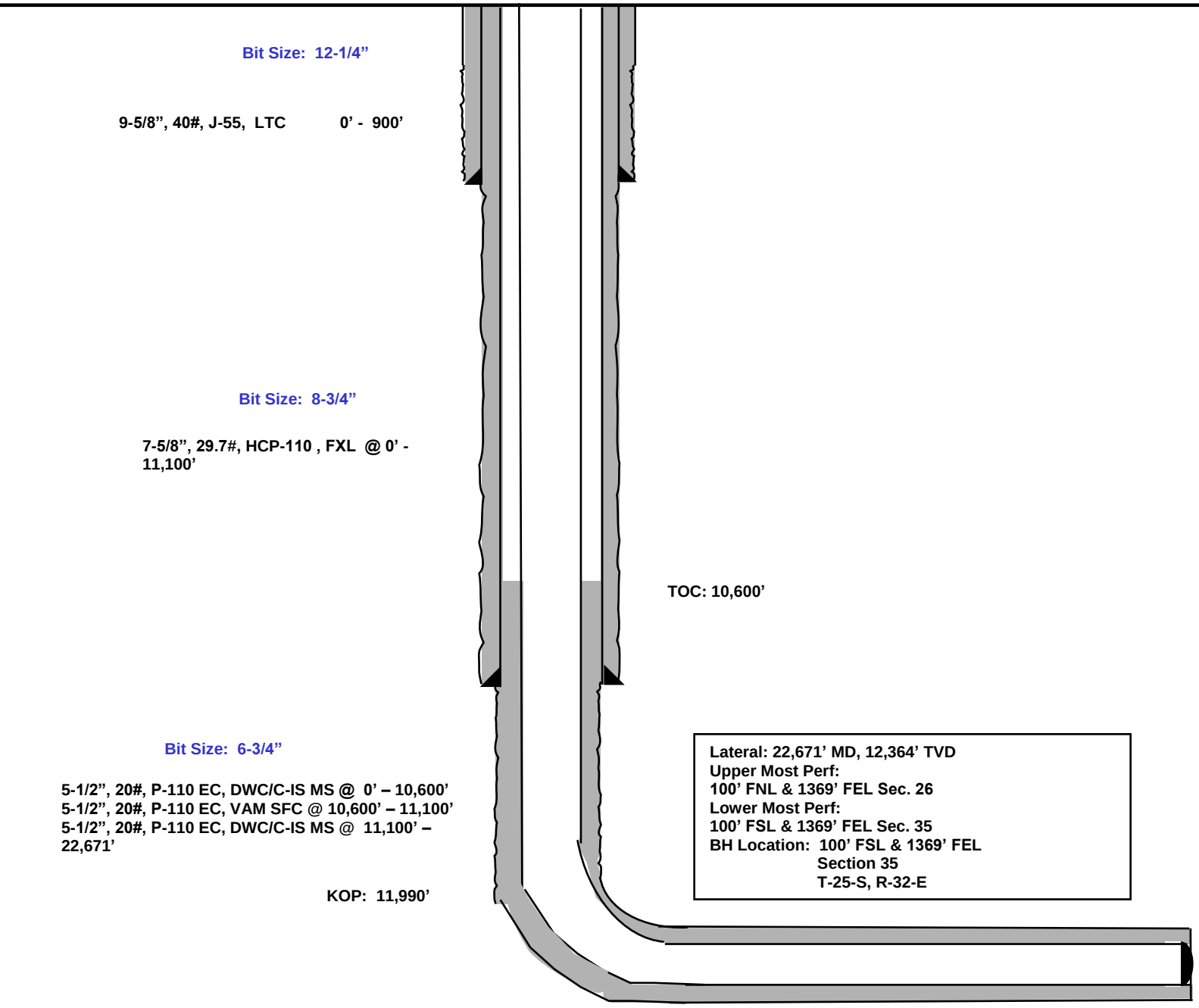
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 11,100'	Brine	10.0-10.2	28-34	N/c
11,100' – 11,990'	Oil Base	8.7-9.4	58-68	N/c - 6
11,990' – 22,671' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

1128’ FNL
1031’ FEL
Section 26
T-25-S, R-32-E

Revised Wellbore

API: 30-025-48348

KB: 3,421’
GL: 3,396’



EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Fearless 26 Fed Com
#721H

OH

Plan: Plan #0.1

Standard Planning Report

07 November, 2019

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Fearless 26 Fed Com				
Site Position:		**Northing:**	403,601.00 usft	**Latitude:**	32° 6' 27.700 N
From:	Map	**Easting:**	755,228.00 usft	**Longitude:**	103° 38' 33.130 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.37 °

Well	#721H					
Well Position	**+N/-S**	-373.0 usft	**Northing:**	403,228.00 usft	**Latitude:**	32° 6' 24.006 N
	+E/-W	41.0 usft	**Easting:**	755,269.00 usft	**Longitude:**	103° 38' 32.681 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,395.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	11/7/2019	6.72	59.91	47,615.73327681

Design	Plan #0.1			
Audit Notes:				
Version:	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.0	0.0	0.0	176.90

Plan Survey Tool Program **Date** 11/7/2019

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,629.8	Plan #0.1 (OH)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,515.6	8.31	36.91	1,514.2	24.1	18.1	2.00	2.00	0.00	36.91	
7,215.2	8.31	36.91	7,153.8	682.9	512.9	0.00	0.00	0.00	0.00	
7,630.8	0.00	0.00	7,568.0	707.0	531.0	2.00	-2.00	0.00	180.00	
11,947.3	0.00	0.00	11,884.5	707.0	531.0	0.00	0.00	0.00	0.00	KOP (Fearless 23 Fed
12,167.7	26.46	180.00	12,097.2	657.0	531.0	12.00	12.00	81.65	180.00	FTP (Fearless 23 Fed
12,697.3	90.00	180.03	12,361.9	229.5	530.8	12.00	12.00	0.01	0.04	
22,629.8	90.00	180.03	12,362.0	-9,703.0	525.0	0.00	0.00	0.00	0.00	PBHL (Fearless 23 Fe

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	2.00	36.91	1,200.0	1.4	1.0	-1.3	2.00	2.00	0.00
1,300.0	4.00	36.91	1,299.8	5.6	4.2	-5.3	2.00	2.00	0.00
1,400.0	6.00	36.91	1,399.5	12.5	9.4	-12.0	2.00	2.00	0.00
1,500.0	8.00	36.91	1,498.7	22.3	16.7	-21.4	2.00	2.00	0.00
1,515.6	8.31	36.91	1,514.2	24.1	18.1	-23.1	2.00	2.00	0.00
1,600.0	8.31	36.91	1,597.7	33.8	25.4	-32.4	0.00	0.00	0.00
1,700.0	8.31	36.91	1,696.6	45.4	34.1	-43.5	0.00	0.00	0.00
1,800.0	8.31	36.91	1,795.6	56.9	42.8	-54.5	0.00	0.00	0.00
1,900.0	8.31	36.91	1,894.5	68.5	51.4	-65.6	0.00	0.00	0.00
2,000.0	8.31	36.91	1,993.5	80.1	60.1	-76.7	0.00	0.00	0.00
2,100.0	8.31	36.91	2,092.4	91.6	68.8	-87.8	0.00	0.00	0.00
2,200.0	8.31	36.91	2,191.4	103.2	77.5	-98.8	0.00	0.00	0.00
2,300.0	8.31	36.91	2,290.3	114.7	86.2	-109.9	0.00	0.00	0.00
2,400.0	8.31	36.91	2,389.3	126.3	94.9	-121.0	0.00	0.00	0.00
2,500.0	8.31	36.91	2,488.2	137.9	103.5	-132.1	0.00	0.00	0.00
2,600.0	8.31	36.91	2,587.2	149.4	112.2	-143.1	0.00	0.00	0.00
2,700.0	8.31	36.91	2,686.1	161.0	120.9	-154.2	0.00	0.00	0.00
2,800.0	8.31	36.91	2,785.0	172.5	129.6	-165.3	0.00	0.00	0.00
2,900.0	8.31	36.91	2,884.0	184.1	138.3	-176.4	0.00	0.00	0.00
3,000.0	8.31	36.91	2,982.9	195.7	147.0	-187.4	0.00	0.00	0.00
3,100.0	8.31	36.91	3,081.9	207.2	155.6	-198.5	0.00	0.00	0.00
3,200.0	8.31	36.91	3,180.8	218.8	164.3	-209.6	0.00	0.00	0.00
3,300.0	8.31	36.91	3,279.8	230.3	173.0	-220.7	0.00	0.00	0.00
3,400.0	8.31	36.91	3,378.7	241.9	181.7	-231.7	0.00	0.00	0.00
3,500.0	8.31	36.91	3,477.7	253.5	190.4	-242.8	0.00	0.00	0.00
3,600.0	8.31	36.91	3,576.6	265.0	199.0	-253.9	0.00	0.00	0.00
3,700.0	8.31	36.91	3,675.6	276.6	207.7	-265.0	0.00	0.00	0.00
3,800.0	8.31	36.91	3,774.5	288.1	216.4	-276.0	0.00	0.00	0.00
3,900.0	8.31	36.91	3,873.5	299.7	225.1	-287.1	0.00	0.00	0.00
4,000.0	8.31	36.91	3,972.4	311.3	233.8	-298.2	0.00	0.00	0.00
4,100.0	8.31	36.91	4,071.4	322.8	242.5	-309.2	0.00	0.00	0.00
4,200.0	8.31	36.91	4,170.3	334.4	251.1	-320.3	0.00	0.00	0.00
4,300.0	8.31	36.91	4,269.3	345.9	259.8	-331.4	0.00	0.00	0.00
4,400.0	8.31	36.91	4,368.2	357.5	268.5	-342.5	0.00	0.00	0.00
4,500.0	8.31	36.91	4,467.2	369.1	277.2	-353.5	0.00	0.00	0.00
4,600.0	8.31	36.91	4,566.1	380.6	285.9	-364.6	0.00	0.00	0.00
4,700.0	8.31	36.91	4,665.1	392.2	294.6	-375.7	0.00	0.00	0.00
4,800.0	8.31	36.91	4,764.0	403.7	303.2	-386.8	0.00	0.00	0.00
4,900.0	8.31	36.91	4,863.0	415.3	311.9	-397.8	0.00	0.00	0.00
5,000.0	8.31	36.91	4,961.9	426.9	320.6	-408.9	0.00	0.00	0.00
5,100.0	8.31	36.91	5,060.9	438.4	329.3	-420.0	0.00	0.00	0.00
5,200.0	8.31	36.91	5,159.8	450.0	338.0	-431.1	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	8.31	36.91	5,258.8	461.5	346.6	-442.1	0.00	0.00	0.00
5,400.0	8.31	36.91	5,357.7	473.1	355.3	-453.2	0.00	0.00	0.00
5,500.0	8.31	36.91	5,456.7	484.7	364.0	-464.3	0.00	0.00	0.00
5,600.0	8.31	36.91	5,555.6	496.2	372.7	-475.4	0.00	0.00	0.00
5,700.0	8.31	36.91	5,654.6	507.8	381.4	-486.4	0.00	0.00	0.00
5,800.0	8.31	36.91	5,753.5	519.3	390.1	-497.5	0.00	0.00	0.00
5,900.0	8.31	36.91	5,852.5	530.9	398.7	-508.6	0.00	0.00	0.00
6,000.0	8.31	36.91	5,951.4	542.5	407.4	-519.7	0.00	0.00	0.00
6,100.0	8.31	36.91	6,050.4	554.0	416.1	-530.7	0.00	0.00	0.00
6,200.0	8.31	36.91	6,149.3	565.6	424.8	-541.8	0.00	0.00	0.00
6,300.0	8.31	36.91	6,248.3	577.1	433.5	-552.9	0.00	0.00	0.00
6,400.0	8.31	36.91	6,347.2	588.7	442.2	-564.0	0.00	0.00	0.00
6,500.0	8.31	36.91	6,446.2	600.3	450.8	-575.0	0.00	0.00	0.00
6,600.0	8.31	36.91	6,545.1	611.8	459.5	-586.1	0.00	0.00	0.00
6,700.0	8.31	36.91	6,644.1	623.4	468.2	-597.2	0.00	0.00	0.00
6,800.0	8.31	36.91	6,743.0	634.9	476.9	-608.2	0.00	0.00	0.00
6,900.0	8.31	36.91	6,842.0	646.5	485.6	-619.3	0.00	0.00	0.00
7,000.0	8.31	36.91	6,940.9	658.1	494.2	-630.4	0.00	0.00	0.00
7,100.0	8.31	36.91	7,039.9	669.6	502.9	-641.5	0.00	0.00	0.00
7,200.0	8.31	36.91	7,138.8	681.2	511.6	-652.5	0.00	0.00	0.00
7,215.2	8.31	36.91	7,153.8	682.9	512.9	-654.2	0.00	0.00	0.00
7,300.0	6.62	36.91	7,237.9	691.7	519.5	-662.7	2.00	-2.00	0.00
7,400.0	4.62	36.91	7,337.5	699.6	525.4	-670.2	2.00	-2.00	0.00
7,500.0	2.62	36.91	7,437.3	704.6	529.2	-675.0	2.00	-2.00	0.00
7,600.0	0.62	36.91	7,537.2	706.9	530.9	-677.2	2.00	-2.00	0.00
7,630.8	0.00	0.00	7,568.0	707.0	531.0	-677.3	2.00	-2.00	0.00
7,700.0	0.00	0.00	7,637.2	707.0	531.0	-677.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,737.2	707.0	531.0	-677.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,837.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,937.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,100.0	0.00	0.00	8,037.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,137.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,237.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,337.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,437.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,537.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,637.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,737.2	707.0	531.0	-677.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,837.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,937.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,100.0	0.00	0.00	9,037.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,137.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,237.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,337.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,437.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,537.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,637.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,737.2	707.0	531.0	-677.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,837.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,937.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,100.0	0.00	0.00	10,037.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,200.0	0.00	0.00	10,137.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,300.0	0.00	0.00	10,237.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,400.0	0.00	0.00	10,337.2	707.0	531.0	-677.3	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,500.0	0.00	0.00	10,437.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,600.0	0.00	0.00	10,537.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,700.0	0.00	0.00	10,637.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,800.0	0.00	0.00	10,737.2	707.0	531.0	-677.3	0.00	0.00	0.00
10,900.0	0.00	0.00	10,837.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,000.0	0.00	0.00	10,937.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,100.0	0.00	0.00	11,037.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,200.0	0.00	0.00	11,137.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,300.0	0.00	0.00	11,237.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,400.0	0.00	0.00	11,337.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,500.0	0.00	0.00	11,437.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,600.0	0.00	0.00	11,537.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,700.0	0.00	0.00	11,637.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,800.0	0.00	0.00	11,737.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,900.0	0.00	0.00	11,837.2	707.0	531.0	-677.3	0.00	0.00	0.00
11,947.3	0.00	0.00	11,884.5	707.0	531.0	-677.3	0.00	0.00	0.00
11,950.0	0.32	180.00	11,887.2	707.0	531.0	-677.3	12.00	12.00	0.00
11,975.0	3.33	180.00	11,912.2	706.2	531.0	-676.5	12.00	12.00	0.00
12,000.0	6.33	180.00	11,937.1	704.1	531.0	-674.4	12.00	12.00	0.00
12,025.0	9.33	180.00	11,961.9	700.7	531.0	-671.0	12.00	12.00	0.00
12,050.0	12.33	180.00	11,986.4	696.0	531.0	-666.3	12.00	12.00	0.00
12,075.0	15.33	180.00	12,010.7	690.0	531.0	-660.3	12.00	12.00	0.00
12,100.0	18.33	180.00	12,034.6	682.8	531.0	-653.1	12.00	12.00	0.00
12,125.0	21.33	180.00	12,058.1	674.3	531.0	-644.6	12.00	12.00	0.00
12,150.0	24.33	180.00	12,081.2	664.6	531.0	-634.9	12.00	12.00	0.00
12,167.7	26.46	180.00	12,097.2	657.0	531.0	-627.4	12.00	12.00	0.00
12,175.0	27.33	180.00	12,103.7	653.7	531.0	-624.1	12.00	12.00	0.02
12,200.0	30.33	180.01	12,125.6	641.7	531.0	-612.0	12.00	12.00	0.02
12,225.0	33.33	180.01	12,146.8	628.5	531.0	-598.9	12.00	12.00	0.01
12,250.0	36.33	180.01	12,167.3	614.2	531.0	-584.6	12.00	12.00	0.01
12,275.0	39.33	180.01	12,187.1	598.9	531.0	-569.3	12.00	12.00	0.01
12,300.0	42.33	180.02	12,206.0	582.5	531.0	-553.0	12.00	12.00	0.01
12,325.0	45.33	180.02	12,224.0	565.2	531.0	-535.7	12.00	12.00	0.01
12,350.0	48.33	180.02	12,241.1	547.0	531.0	-517.5	12.00	12.00	0.01
12,375.0	51.33	180.02	12,257.2	527.9	531.0	-498.4	12.00	12.00	0.01
12,400.0	54.33	180.02	12,272.4	508.0	531.0	-478.5	12.00	12.00	0.01
12,425.0	57.33	180.02	12,286.4	487.3	531.0	-457.9	12.00	12.00	0.01
12,450.0	60.33	180.02	12,299.3	465.9	530.9	-436.5	12.00	12.00	0.00
12,475.0	63.33	180.03	12,311.1	443.9	530.9	-414.5	12.00	12.00	0.00
12,500.0	66.33	180.03	12,321.8	421.2	530.9	-391.9	12.00	12.00	0.00
12,525.0	69.33	180.03	12,331.2	398.1	530.9	-368.8	12.00	12.00	0.00
12,550.0	72.33	180.03	12,339.4	374.5	530.9	-345.3	12.00	12.00	0.00
12,575.0	75.33	180.03	12,346.4	350.5	530.9	-321.3	12.00	12.00	0.00
12,600.0	78.33	180.03	12,352.1	326.1	530.9	-297.0	12.00	12.00	0.00
12,625.0	81.33	180.03	12,356.5	301.5	530.9	-272.4	12.00	12.00	0.00
12,650.0	84.33	180.03	12,359.6	276.7	530.9	-247.6	12.00	12.00	0.00
12,675.0	87.33	180.03	12,361.4	251.8	530.8	-222.8	12.00	12.00	0.00
12,697.3	90.00	180.03	12,361.9	229.5	530.8	-200.5	12.00	12.00	0.00
12,700.0	90.00	180.03	12,361.9	226.8	530.8	-197.8	0.00	0.00	0.00
12,800.0	90.00	180.03	12,361.9	126.8	530.8	-97.9	0.00	0.00	0.00
12,900.0	90.00	180.03	12,361.9	26.8	530.7	1.9	0.00	0.00	0.00
13,000.0	90.00	180.03	12,361.9	-73.2	530.6	101.8	0.00	0.00	0.00
13,100.0	90.00	180.03	12,361.9	-173.2	530.6	201.6	0.00	0.00	0.00
13,200.0	90.00	180.03	12,361.9	-273.2	530.5	301.5	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,300.0	90.00	180.03	12,361.9	-373.2	530.5	401.3	0.00	0.00	0.00
13,400.0	90.00	180.03	12,361.9	-473.2	530.4	501.2	0.00	0.00	0.00
13,500.0	90.00	180.03	12,361.9	-573.2	530.4	601.0	0.00	0.00	0.00
13,600.0	90.00	180.03	12,361.9	-673.2	530.3	700.9	0.00	0.00	0.00
13,700.0	90.00	180.03	12,361.9	-773.2	530.2	800.7	0.00	0.00	0.00
13,800.0	90.00	180.03	12,361.9	-873.2	530.2	900.6	0.00	0.00	0.00
13,900.0	90.00	180.03	12,361.9	-973.2	530.1	1,000.4	0.00	0.00	0.00
14,000.0	90.00	180.03	12,361.9	-1,073.2	530.1	1,100.3	0.00	0.00	0.00
14,100.0	90.00	180.03	12,361.9	-1,173.2	530.0	1,200.1	0.00	0.00	0.00
14,200.0	90.00	180.03	12,362.0	-1,273.2	529.9	1,300.0	0.00	0.00	0.00
14,300.0	90.00	180.03	12,362.0	-1,373.2	529.9	1,399.8	0.00	0.00	0.00
14,400.0	90.00	180.03	12,362.0	-1,473.2	529.8	1,499.7	0.00	0.00	0.00
14,500.0	90.00	180.03	12,362.0	-1,573.2	529.8	1,599.5	0.00	0.00	0.00
14,600.0	90.00	180.03	12,362.0	-1,673.2	529.7	1,699.4	0.00	0.00	0.00
14,700.0	90.00	180.03	12,362.0	-1,773.2	529.7	1,799.2	0.00	0.00	0.00
14,800.0	90.00	180.03	12,362.0	-1,873.2	529.6	1,899.1	0.00	0.00	0.00
14,900.0	90.00	180.03	12,362.0	-1,973.2	529.5	1,998.9	0.00	0.00	0.00
15,000.0	90.00	180.03	12,362.0	-2,073.2	529.5	2,098.8	0.00	0.00	0.00
15,100.0	90.00	180.03	12,362.0	-2,173.2	529.4	2,198.6	0.00	0.00	0.00
15,200.0	90.00	180.03	12,362.0	-2,273.2	529.4	2,298.5	0.00	0.00	0.00
15,300.0	90.00	180.03	12,362.0	-2,373.2	529.3	2,398.3	0.00	0.00	0.00
15,400.0	90.00	180.03	12,362.0	-2,473.2	529.2	2,498.2	0.00	0.00	0.00
15,500.0	90.00	180.03	12,362.0	-2,573.2	529.2	2,598.0	0.00	0.00	0.00
15,600.0	90.00	180.03	12,362.0	-2,673.2	529.1	2,697.9	0.00	0.00	0.00
15,700.0	90.00	180.03	12,362.0	-2,773.2	529.1	2,797.7	0.00	0.00	0.00
15,800.0	90.00	180.03	12,362.0	-2,873.2	529.0	2,897.6	0.00	0.00	0.00
15,900.0	90.00	180.03	12,362.0	-2,973.2	528.9	2,997.4	0.00	0.00	0.00
16,000.0	90.00	180.03	12,362.0	-3,073.2	528.9	3,097.3	0.00	0.00	0.00
16,100.0	90.00	180.03	12,362.0	-3,173.2	528.8	3,197.1	0.00	0.00	0.00
16,200.0	90.00	180.03	12,362.0	-3,273.2	528.8	3,297.0	0.00	0.00	0.00
16,300.0	90.00	180.03	12,362.0	-3,373.2	528.7	3,396.8	0.00	0.00	0.00
16,400.0	90.00	180.03	12,362.0	-3,473.2	528.7	3,496.7	0.00	0.00	0.00
16,500.0	90.00	180.03	12,362.0	-3,573.2	528.6	3,596.5	0.00	0.00	0.00
16,600.0	90.00	180.03	12,362.0	-3,673.2	528.5	3,696.4	0.00	0.00	0.00
16,700.0	90.00	180.03	12,362.0	-3,773.2	528.5	3,796.2	0.00	0.00	0.00
16,800.0	90.00	180.03	12,362.0	-3,873.2	528.4	3,896.1	0.00	0.00	0.00
16,900.0	90.00	180.03	12,362.0	-3,973.2	528.4	3,995.9	0.00	0.00	0.00
17,000.0	90.00	180.03	12,362.0	-4,073.2	528.3	4,095.8	0.00	0.00	0.00
17,100.0	90.00	180.03	12,362.0	-4,173.2	528.2	4,195.6	0.00	0.00	0.00
17,200.0	90.00	180.03	12,362.0	-4,273.2	528.2	4,295.5	0.00	0.00	0.00
17,300.0	90.00	180.03	12,362.0	-4,373.2	528.1	4,395.3	0.00	0.00	0.00
17,400.0	90.00	180.03	12,362.0	-4,473.2	528.1	4,495.2	0.00	0.00	0.00
17,500.0	90.00	180.03	12,362.0	-4,573.2	528.0	4,595.0	0.00	0.00	0.00
17,600.0	90.00	180.03	12,362.0	-4,673.2	528.0	4,694.9	0.00	0.00	0.00
17,700.0	90.00	180.03	12,362.0	-4,773.2	527.9	4,794.7	0.00	0.00	0.00
17,800.0	90.00	180.03	12,362.0	-4,873.2	527.8	4,894.6	0.00	0.00	0.00
17,900.0	90.00	180.03	12,362.0	-4,973.2	527.8	4,994.4	0.00	0.00	0.00
18,000.0	90.00	180.03	12,362.0	-5,073.2	527.7	5,094.3	0.00	0.00	0.00
18,100.0	90.00	180.03	12,362.0	-5,173.2	527.7	5,194.1	0.00	0.00	0.00
18,200.0	90.00	180.03	12,362.0	-5,273.2	527.6	5,294.0	0.00	0.00	0.00
18,300.0	90.00	180.03	12,362.0	-5,373.2	527.5	5,393.8	0.00	0.00	0.00
18,400.0	90.00	180.03	12,362.0	-5,473.2	527.5	5,493.7	0.00	0.00	0.00
18,500.0	90.00	180.03	12,362.0	-5,573.2	527.4	5,593.5	0.00	0.00	0.00
18,600.0	90.00	180.03	12,362.0	-5,673.2	527.4	5,693.4	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,700.0	90.00	180.03	12,362.0	-5,773.2	527.3	5,793.2	0.00	0.00	0.00
18,800.0	90.00	180.03	12,362.0	-5,873.2	527.2	5,893.1	0.00	0.00	0.00
18,900.0	90.00	180.03	12,362.0	-5,973.2	527.2	5,992.9	0.00	0.00	0.00
19,000.0	90.00	180.03	12,362.0	-6,073.2	527.1	6,092.8	0.00	0.00	0.00
19,100.0	90.00	180.03	12,362.0	-6,173.2	527.1	6,192.6	0.00	0.00	0.00
19,200.0	90.00	180.03	12,362.0	-6,273.2	527.0	6,292.5	0.00	0.00	0.00
19,300.0	90.00	180.03	12,362.0	-6,373.2	527.0	6,392.4	0.00	0.00	0.00
19,400.0	90.00	180.03	12,362.0	-6,473.2	526.9	6,492.2	0.00	0.00	0.00
19,500.0	90.00	180.03	12,362.0	-6,573.2	526.8	6,592.1	0.00	0.00	0.00
19,600.0	90.00	180.03	12,362.0	-6,673.2	526.8	6,691.9	0.00	0.00	0.00
19,700.0	90.00	180.03	12,362.0	-6,773.2	526.7	6,791.8	0.00	0.00	0.00
19,800.0	90.00	180.03	12,362.0	-6,873.2	526.7	6,891.6	0.00	0.00	0.00
19,900.0	90.00	180.03	12,362.0	-6,973.2	526.6	6,991.5	0.00	0.00	0.00
20,000.0	90.00	180.03	12,362.0	-7,073.2	526.5	7,091.3	0.00	0.00	0.00
20,100.0	90.00	180.03	12,362.0	-7,173.2	526.5	7,191.2	0.00	0.00	0.00
20,200.0	90.00	180.03	12,362.0	-7,273.2	526.4	7,291.0	0.00	0.00	0.00
20,300.0	90.00	180.03	12,362.0	-7,373.2	526.4	7,390.9	0.00	0.00	0.00
20,400.0	90.00	180.03	12,362.0	-7,473.2	526.3	7,490.7	0.00	0.00	0.00
20,500.0	90.00	180.03	12,362.0	-7,573.2	526.2	7,590.6	0.00	0.00	0.00
20,600.0	90.00	180.03	12,362.0	-7,673.2	526.2	7,690.4	0.00	0.00	0.00
20,700.0	90.00	180.03	12,362.0	-7,773.2	526.1	7,790.3	0.00	0.00	0.00
20,800.0	90.00	180.03	12,362.0	-7,873.2	526.1	7,890.1	0.00	0.00	0.00
20,900.0	90.00	180.03	12,362.0	-7,973.2	526.0	7,990.0	0.00	0.00	0.00
21,000.0	90.00	180.03	12,362.0	-8,073.2	526.0	8,089.8	0.00	0.00	0.00
21,100.0	90.00	180.03	12,362.0	-8,173.2	525.9	8,189.7	0.00	0.00	0.00
21,200.0	90.00	180.03	12,362.0	-8,273.2	525.8	8,289.5	0.00	0.00	0.00
21,300.0	90.00	180.03	12,362.0	-8,373.2	525.8	8,389.4	0.00	0.00	0.00
21,400.0	90.00	180.03	12,362.0	-8,473.2	525.7	8,489.2	0.00	0.00	0.00
21,500.0	90.00	180.03	12,362.0	-8,573.2	525.7	8,589.1	0.00	0.00	0.00
21,600.0	90.00	180.03	12,362.0	-8,673.2	525.6	8,688.9	0.00	0.00	0.00
21,700.0	90.00	180.03	12,362.0	-8,773.2	525.5	8,788.8	0.00	0.00	0.00
21,800.0	90.00	180.03	12,362.0	-8,873.2	525.5	8,888.6	0.00	0.00	0.00
21,900.0	90.00	180.03	12,362.0	-8,973.2	525.4	8,988.5	0.00	0.00	0.00
22,000.0	90.00	180.03	12,362.0	-9,073.2	525.4	9,088.3	0.00	0.00	0.00
22,100.0	90.00	180.03	12,362.0	-9,173.2	525.3	9,188.2	0.00	0.00	0.00
22,200.0	90.00	180.03	12,362.0	-9,273.2	525.3	9,288.0	0.00	0.00	0.00
22,300.0	90.00	180.03	12,362.0	-9,373.2	525.2	9,387.9	0.00	0.00	0.00
22,400.0	90.00	180.03	12,362.0	-9,473.2	525.1	9,487.7	0.00	0.00	0.00
22,500.0	90.00	180.03	12,362.0	-9,573.2	525.1	9,587.6	0.00	0.00	0.00
22,600.0	90.00	180.03	12,362.0	-9,673.2	525.0	9,687.4	0.00	0.00	0.00
22,629.8	90.00	180.03	12,362.0	-9,703.0	525.0	9,717.2	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #721H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3420.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3420.0usft
Site:	Fearless 26 Fed Com	**North Reference:**	Grid
Well:	#721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets

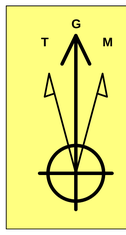
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Fearless 23 Fed C - plan hits target center - Point	0.00	0.00	11,884.5	707.0	531.0	403,935.00	755,800.00	32° 6' 30.969 N	103° 38' 26.455 W
FTP (Fearless 23 Fed C - plan hits target center - Point	0.00	0.00	12,097.2	657.0	531.0	403,885.00	755,800.00	32° 6' 30.474 N	103° 38' 26.459 W
PBHL (Fearless 23 Fed - plan hits target center - Point	0.00	0.00	12,362.0	-9,703.0	525.0	393,525.00	755,794.00	32° 4' 47.956 N	103° 38' 27.302 W

eog resources

Lea County, NM (NAD 83 NME)

Fearless 26 Fed Com #721H

Plan #0.1



Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.35°

Magnetic Field
Strength: 47615.7nT
Dip Angle: 59.91°
Date: 11/7/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.35°
To convert a Magnetic Direction to a True Direction, Add 6.72° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

WELL DETAILS: #721H

3395.0
KB = 25 @ 3420.0usft

Northing	Easting	Latittude	Longitude
403228.00	755269.00	32° 6' 24.006 N	103° 38' 32.681 W

SECTION DETAILS

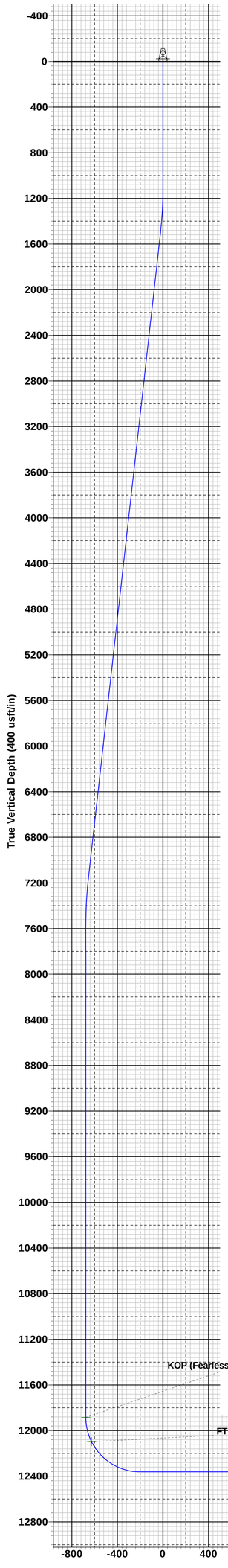
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1515.6	8.31	36.91	1514.2	24.1	18.1	2.00	36.91	-23.1	
4	7215.2	8.31	36.91	7153.8	682.9	512.9	0.00	0.00	-654.2	
5	7630.8	0.00	0.00	7568.0	707.0	531.0	2.00	180.00	-677.3	
6	11947.3	0.00	0.00	11884.5	707.0	531.0	0.00	0.00	-677.3	KOP (Fearless 23 Fed Com #721H)
7	12167.7	26.46	180.00	12097.2	657.0	531.0	12.00	180.00	-627.4	FTP (Fearless 23 Fed Com #721H)
8	12697.3	90.00	180.03	12361.9	229.5	530.8	12.00	0.04	-200.5	
9	22629.8	90.00	180.03	12362.0	-9703.0	525.0	0.00	0.00	9717.2	PBHL (Fearless 23 Fed Com #721H)

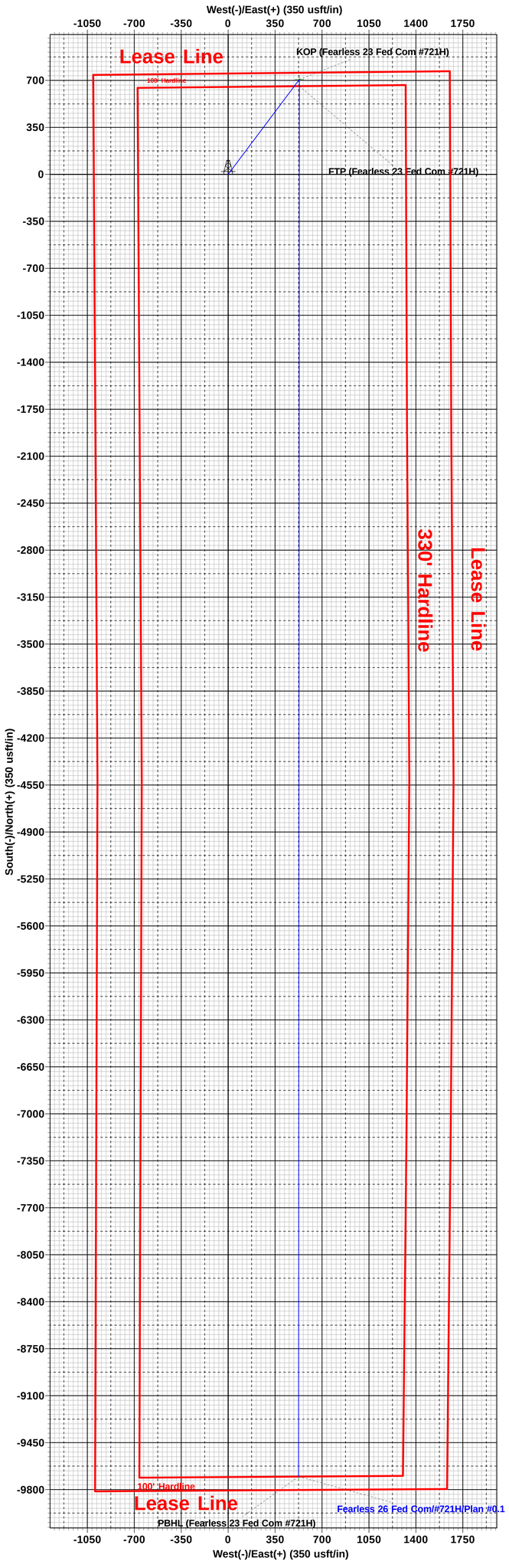
CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Fearless 23 Fed Com #721H)	11884.5	707.0	531.0	403935.00	755800.00
FTP (Fearless 23 Fed Com #721H)	12097.2	657.0	531.0	403885.00	755800.00
PBHL (Fearless 23 Fed Com #721H)	12362.0	-9703.0	525.0	393525.00	755794.00





Lea County, NM (NAD 83 NME)
Fearless 26 Fed Com
#721H
OH
Plan #0.1
11:20, November 07 2019

EXHIBIT 2B

eog resources, inc.

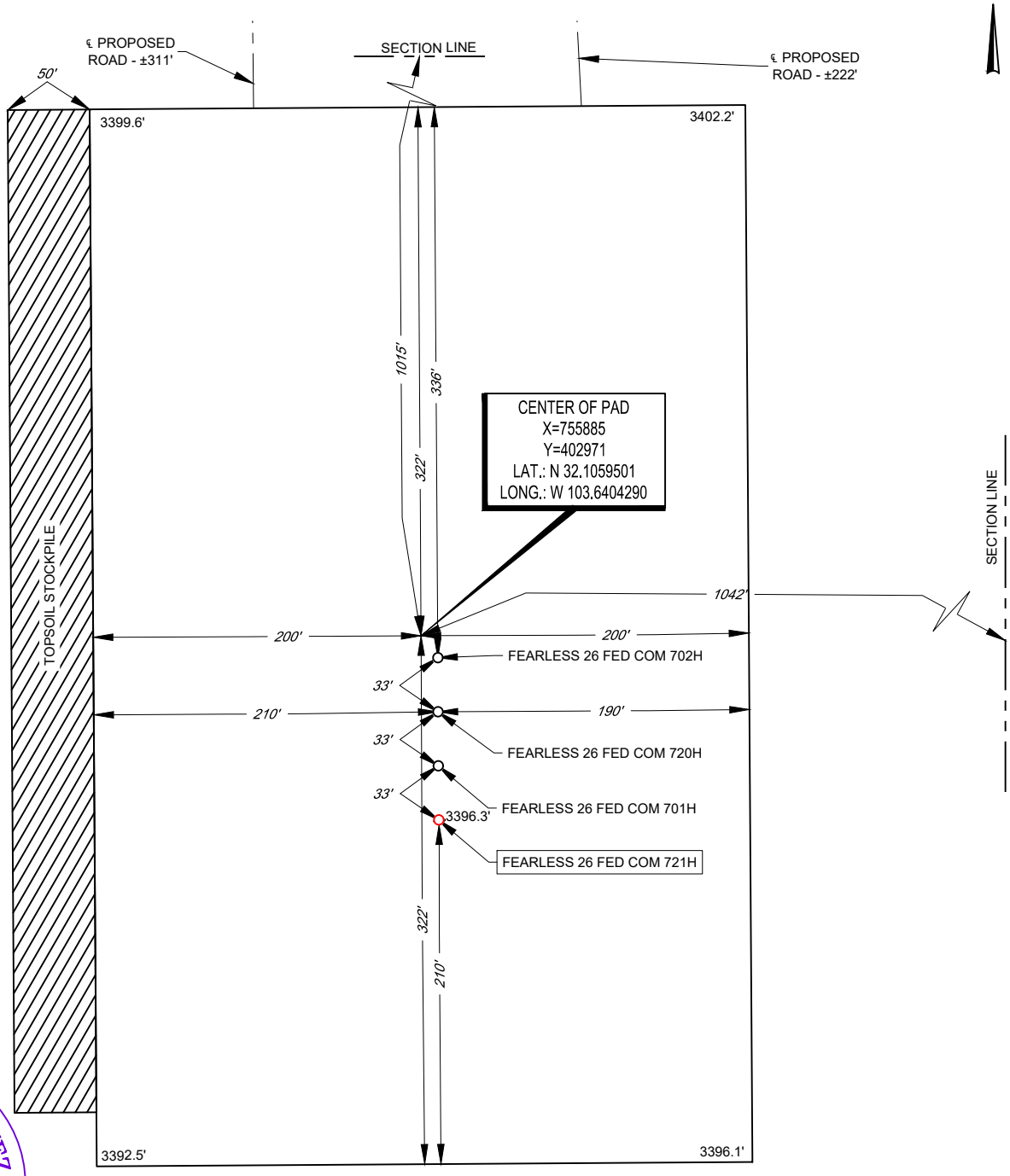
SECTION 26, TOWNSHIP 25-S, RANGE 32-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'

SCALE: 1" = 100'
0' 50' 100'

LEGEND

PROPOSED ROAD
SECTION LINE



LEASE NAME & WELL NO.: FEARLESS 26 FED COM 721H

721H LATITUDE N 32.1056409 721H LONGITUDE W 103.6403963

CENTER OF PAD IS 1015' FNL & 1042' FEL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Ramon A. Dominguez, P.S. No. 24508

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

Fearless 26 Fed Com
Lease Number NMNM 110836
NMNM 108970
NMNM 108973

Well Pads, Access Roads,
and Buried Flowlines/Gas Lift Lines
EOG Resources Inc.

Well Pad 1

Center of Pad: 999' FNL 1,042' FEL

Fearless Fed Com #701H
Surface Hole Location: 1,095' FNL & 1,031' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 330' FEL, Section 35, T. 25 S., R. 32 E.

Fearless Fed Com #702H
Surface Hole Location: 1,029' FNL & 1,032' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 849' FEL, Section 35, T. 25 S., R. 32 E.

Fearless Fed Com #720H
Surface Hole Location: 1,062' FNL & 1,032' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 590' FEL, Section 35, T. 25 S., R. 32 E.

Well Pad 2

Center of Pad: 729' FNL 1,751' FEL

Fearless Fed Com #703H
Surface Hole Location: 740' FNL & 1,688' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1,368' FEL, Section 35, T. 25 S., R. 32 E.

Fearless Fed Com #721H
Surface Hole Location: 751' FNL & 1,656' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1,109' FEL, Section 35, T. 25 S., R. 32 E.

Fearless Fed Com #722H
Surface Hole Location: 729' FNL & 1,719' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1,628' FEL, Section 35, T. 25 S., R. 32 E.

Well Pad 3

Center of Pad: 2380' FNL 2,431' FEL

Fearless Fed Com #704H
Surface Hole Location: 477' FNL & 2,421' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 1,887' FEL, Section 35, T. 25 S., R. 32 E.
Fearless Fed Com #705H
Surface Hole Location: 411' FNL & 2,421' FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100' FSL & 2,445' FEL, Section 26, T. 25 S., R. 32 E.
Fearless Fed Com #723H

Surface Hole Location: 510’ FNL & 2,421’ FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100’ FSL & 2,147’ FEL, Section 35, T. 25 S., R. 32 E.
Fearless Fed Com #724H
Surface Hole Location: 444’ FNL & 2,421’ FEL, Section 26, T. 25 S., R. 32 E.
Bottom Hole Location: 100’ FSL & 2,608’ FWL, Section 26, T. 25 S., R. 32 E.

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

Timing Limitation Exceptions:
The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required, unless specified by authorized BLM personnel.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

Hydrology:
The entire well pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. The compacted berm shall be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche). Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed. Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion. Stockpiling of topsoil is required. The top soil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control. If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank or 24 hour production, whichever is greater. Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

When crossing ephemeral drainages the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons should be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences should be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars should be placed within the ROW to divert and dissipate surface runoff. A pipeline access road is not permitted to cross these ephemeral drainages. Traffic should be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole should not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that would not promote further erosion.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing
The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS

Road Width
The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

Surfacing
Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching
Ditching shall be required on both sides of the road.

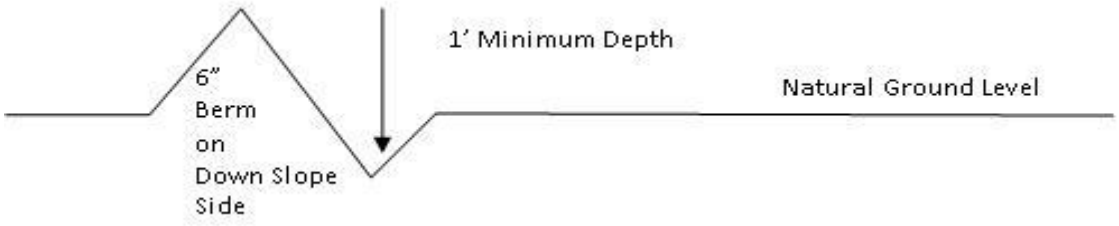
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: $\frac{400'}{4\%} + 100' = 200'$ lead-off ditch interval

Cattle guards

An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

Fence Requirement

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

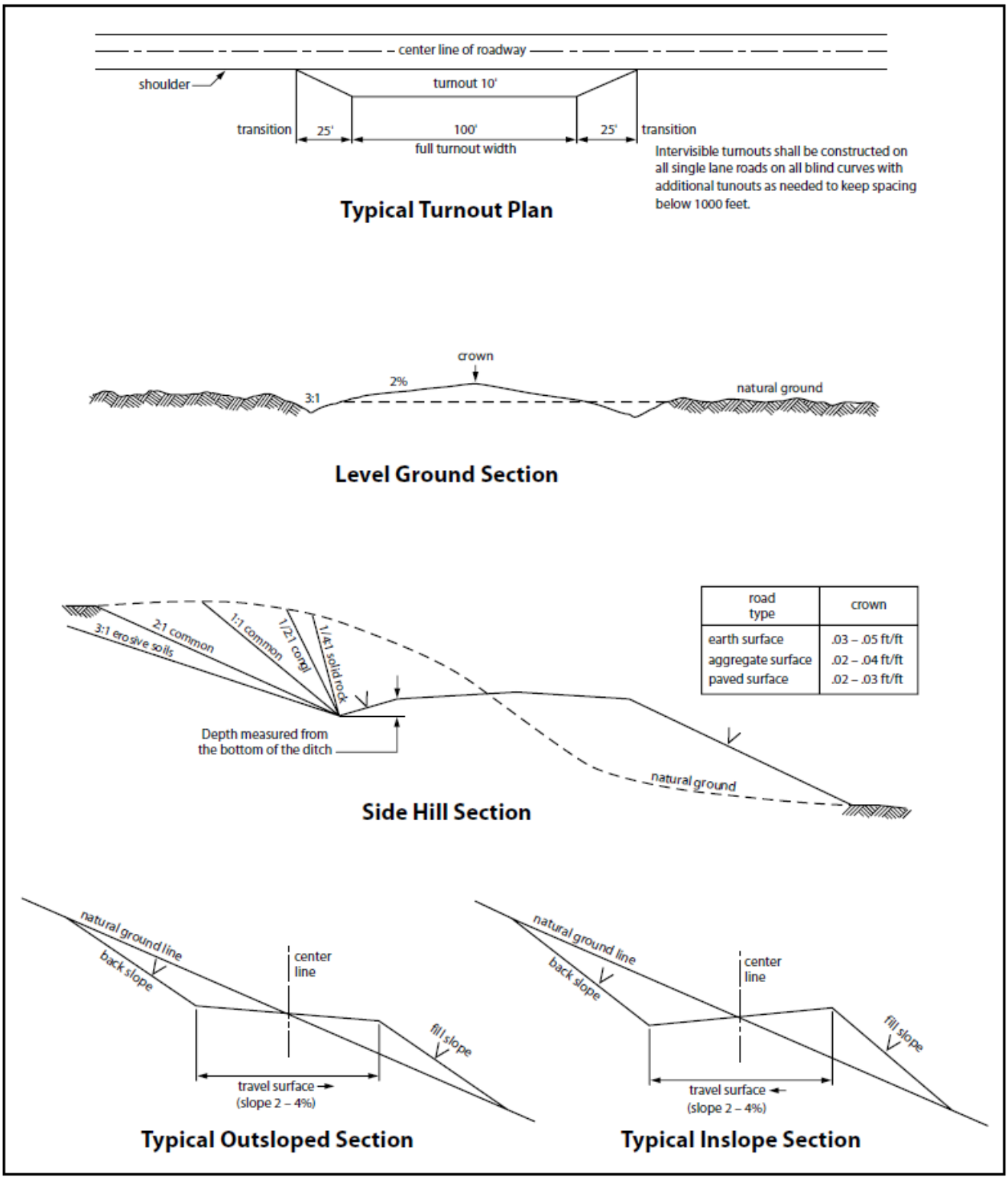


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities
Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Exclosure Netting (Open-top Tanks)
Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

Chemical and Fuel Secondary Containment and Exclosure Screening
The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

Open-Vent Exhaust Stack Exclosures
The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone*.) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

Painting Requirement
All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

B. PIPELINES

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of **36** inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be **30** feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed **30** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation*.)

- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed **30** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)

- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately ___6___ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

( ) seed mixture 1	( ) seed mixture 3
(X) seed mixture 2	( ) seed mixture 4
( ) seed mixture 2/LPC	( ) Aplomado Falcon Mixture

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the application (Grant, Sundry Notice, APD) and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the

Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
b. Activities of other parties including, but not limited to:
    (1) Land clearing.
    (2) Earth-disturbing and earth-moving work.
    (3) Blasting.
    (4) Vandalism and sabotage.
c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars ($1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-of-way width of **20** feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline must be installed no farther than 10 feet

from the edge of the road or buried pipeline right-of-way. If existing surface pipelines prevent this distance, the proposed surface pipeline must be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity will be confined to existing roads or right-of-ways.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.

9. The pipeline shall be buried with a minimum of **24** inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

16. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, powerline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

17. Surface pipelines must be less than or equal to 4 inches and a working pressure below 125 psi.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

e #s:

NMNM
108970
NMNM
108973

Seed Mixture 2 for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 23501

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
EOG RESOURCES INC P.O. Box 2267 Midland, TX79702	7377	23501	C-103A

OCD Reviewer	Condition
pkautz	None