



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

## Sundry Print Report

02/11/2021

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

## Notice of Intent

**Type of Submission:** Notice of Intent**Type of Action** APD Change**Date Sundry Submitted:** 02/09/2021**Time Sundry Submitted:** 04:20**Date proposed operation will begin:** 02/09/2021

**Procedure Description:** Mewbourne Oil Co. requests approval to make the following change(s) to the approved APD:  
Change 7" production casing to 7 5/8" HCP110 as detailed in the attachment.

Application

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### Section 1 - General

<b>APD ID:</b> 10400033962	<b>Tie to previous NOS?</b>	<b>Submission Date:</b>
<b>BLM Office:</b> CARLSBAD	<b>User:</b> Bradley Bishop	<b>Title:</b> Regulatory
<b>Federal/Indian APD:</b> FED	<b>Is the first lease penetrated for production Federal or Indian?</b> FED	
<b>Lease number:</b> NMNM018626	<b>Lease Acres:</b>	
<b>Surface access agreement in place?</b>	<b>Allotted?</b>	<b>Reservation:</b>
<b>Agreement in place?</b> NO	<b>Federal or Indian agreement:</b>	
<b>Agreement number:</b>		
<b>Agreement name:</b>		
<b>Keep application confidential?</b> Y		
<b>Permitting Agent?</b> NO	<b>APD Operator:</b> MEWBOURNE OIL COMPANY	
<b>Operator letter of designation:</b>	Lindale24_25W1DEFed1H_operatorletterofdesignation_20180911104700.pdf	

### Operator Info

**Operator Organization Name:** MEWBOURNE OIL COMPANY

**Operator Address:** PO Box 5270 **Zip:** 88240

**Operator PO Box:**

**Operator City:** Hobbs **State:** NM

**Operator Phone:** (575)393-5905

**Operator Internet Address:**

### Section 2 - Well Information

<b>Well in Master Development Plan?</b> NO	<b>Master Development Plan name:</b>	
<b>Well in Master SUPO?</b> NO	<b>Master SUPO name:</b>	
<b>Well in Master Drilling Plan?</b> NO	<b>Master Drilling Plan name:</b>	
<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Number:</b> 1H	<b>Well API Number:</b> 3001546168
<b>Field/Pool or Exploratory?</b> Field and Pool	<b>Field Name:</b> WELCH	<b>Pool Name:</b> PURPLE SAGE WOLFCAMP GAS
<b>Is the proposed well in an area containing other mineral resources?</b> USEABLE WATER,NATURAL GAS,OIL		
<b>Is the proposed well in a Helium production area?</b> N	<b>Use Existing Well Pad?</b> NO	<b>New surface disturbance?</b>
<b>Type of Well Pad:</b> MULTIPLE WELL	<b>Multiple Well Pad Name:</b>	<b>Number:</b> 4
<b>Well Class:</b> HORIZONTAL	LINDALE 24/25 DE WELLS	
	<b>Number of Legs:</b>	
<b>Well Work Type:</b> Drill		
<b>Well Type:</b> CONVENTIONAL GAS WELL		
<b>Describe Well Type:</b>		

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

**Well sub-Type:** APPRAISAL

**Describe sub-type:**

**Distance to town:** 25 Miles

**Distance to nearest well:** 200 FT

**Distance to lease line:** 185 FT

**Reservoir well spacing assigned acres Measurement:** 480 Acres

**Well plat:** Lindale24\_25W1DEFed1H\_wellplat\_20180911105718.pdf

**Well work start Date:** 12/11/2017

**Duration:** 60 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:**

**Reference Datum:**

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	405	FNL	565	FW L	26S	30E	24	Aliquot NWN W	32.03424 07	- 103.8414 943	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 018626	314 0	0	0	
KOP Leg #1	10	FNL	330	FW L	26S	30E	24	Aliquot NWN W	32.03532 89	- 103.8422 496	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 018626	- 730 0	104 40	104 40	
PPP Leg #1-1	330	FNL	330	FW L	26S	30E	24	Aliquot NWN W	32.03444 92	- 103.8422 503	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 018626	- 779 8	110 78	109 38	
EXIT Leg #1	233 6	FNL	330	FW L	26S	30E	25	Aliquot SWN W	32.01429 95	- 103.8422 65	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 018626	- 787 7	184 18	110 17	

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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?
BHL Leg #1	233 6	FNL	330	FW L	26S	30E	25	Aliquot SWN W	32.01429 95	- 103.8422 65	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 018626	- 787 7	184 18	110 17	

## Drilling Plan

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1556908	UNKNOWN	3140	27	27		NONE	N
1556909	RUSTLER	2221	919	919	ANHYDRITE, DOLOMITE	USEABLE WATER	N
1556918	CASTILE	839	2301	2301	SALT	NONE	N
1556911	BASE OF SALT	-499	3639	3639	SALT	NONE	N
1556912	LAMAR	-614	3754	3754	LIMESTONE	NATURAL GAS, OIL	N
1556919	BELL CANYON	-649	3789	3789	SANDSTONE	NATURAL GAS, OIL	N
1556920	CHERRY CANYON	-1542	4682	4682	SANDSTONE	NATURAL GAS, OIL	N
1556921	MANZANITA	-1718	4858	4858	LIMESTONE	NATURAL GAS, OIL	N
1556922	BRUSHY CANYON	-2736	5876	5876	SANDSTONE	NATURAL GAS, OIL	N
1556913	BONE SPRING	-4547	7687	7687	LIMESTONE, SHALE	NATURAL GAS, OIL	N
1556917	WOLFCAMP	-7810	10950	10950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

## Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 18418

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

**Variance request:** A variance is requested for use of a flexible choke line from the BOP to Choke Manifold. Anchors not required by manufacturer A multi-bowl wellhead is being used. See attached schematic

**Testing Procedure:** BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the

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working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

**Choke Diagram Attachment:**

Lindale\_24\_25\_W1DE\_Fed\_1H\_5M\_BOPE\_Choke\_Diagram\_20180917154239.pdf

Lindale\_24\_25\_W1DE\_Fed\_1H\_Flex\_Line\_Specs\_20180917154240.pdf

**BOP Diagram Attachment:**

Lindale\_24\_25\_W1DE\_Fed\_1H\_5M\_BOPE\_Schematic\_20180917154251.pdf

Lindale\_24\_25\_W1DE\_Fed\_1H\_Multi\_Bowl\_WH\_20180917154251.pdf

### Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1000	0	1000	3167		1000	H-40	48	ST&C	1.68	3.78	DRY	6.71	DRY	11.7
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	3700	0	3700	3167		3700	J-55	40	LT&C	1.125	1.96	DRY	3.38	DRY	4.1
3	PRODUCTION	8.75	7.0	NEW	API	N	0	11150	0	10963	3167		11150	P-110	26	LT&C	1.34	1.83	DRY	2.25	DRY	2.1
4	LINER	6.125	4.5	NEW	API	N	10440	18418	10440	11017			7978	P-110	13.5	LT&C	1.43	1.67	DRY	3.14	DRY	3.1

**Casing Attachments**

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

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Lindale\_24\_25\_W1DE\_Fed\_1H\_Csg\_Assumptions\_20180917154811.pdf

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**Casing Attachments****Casing ID:** 2      **String Type:**INTERMEDIATE**Inspection Document:****Spec Document:****Tapered String Spec:**

Lindale\_24\_25\_W1DE\_Fed\_1H\_TaperedCsg\_20180917154751.pdf

**Casing Design Assumptions and Worksheet(s):**

Lindale\_24\_25\_W1DE\_Fed\_1H\_Csg\_Assumptions\_20180917154859.pdf

**Casing ID:** 3      **String Type:**PRODUCTION**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

Lindale\_24\_25\_W1DE\_Fed\_1H\_Csg\_Assumptions\_20180917154942.pdf

**Casing ID:** 4      **String Type:**LINER**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

Lindale\_24\_25\_W1DE\_Fed\_1H\_Csg\_Assumptions\_20180917155020.pdf

**Section 4 - Cement**

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
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String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	809	530	2.12	12.5	1123	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		809	1000	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	3051	595	2.12	12.5	1261	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		3051	3700	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead	4858	3500	4188	65	2.12	12.5	138	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		4188	4858	100	1.34	14.8	134	25	Class C	Retarder
PRODUCTION	Lead	4858	4858	8660	340	2.12	12.5	721	25	Class H	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		8660	1115 0	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		1044 0	1841 8	325	2.97	11.2	965	25	Class H	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-Settling Agent

### 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:** Lost circulation material Sweeps Mud scavengers in surface hole

**Describe the mud monitoring system utilized:** Visual Monitoring

### Circulating Medium Table



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Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1000	SPUD MUD	8.6	8.8							
1000	3700	SALT SATURATED	10	10							
3700	1069 3	WATER-BASED MUD	8.6	9.5							
1069 3	1101 7	OIL-BASED MUD	10	12							

### Section 6 - Test, Logging, Coring

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

Will run GR/CNL from KOP (10440') to surface

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

CNL,DS,GR,MWD,MUDLOG

**Coring operation description for the well:**

None

### Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 6875

**Anticipated Surface Pressure:** 4451.26

**Anticipated Bottom Hole Temperature(F):** 165

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

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Lindale\_24\_25\_W1DE\_Fed\_1H\_H2S\_Plan\_20180917155529.pdf



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### Section 8 - Other Information

#### Proposed horizontal/directional/multi-lateral plan submission:

Lindale\_24\_25\_W1DE\_Fed\_1H\_Dir\_Plot\_20180917155603.pdf

Lindale\_24\_25\_W1DE\_Fed\_1H\_Dir\_Plan\_20180917155604.pdf

#### Other proposed operations facets description:

#### Other proposed operations facets attachment:

Lindale\_24\_25\_W1DE\_Fed\_1H\_Drlg\_Program\_20180917155638.doc

#### Other Variance attachment:

SUPO

### Section 1 - Existing Roads

#### Will existing roads be used? YES

#### Existing Road Map:

Lindale24\_25W1DEFed1H\_existingroadmap\_20180911105750.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:

Lindale24\_25W1DEFed1H\_newroadmap2\_20180914105726.pdf

Lindale24\_25W1DEFed1H\_newroadmap\_20180911111148.pdf

**New road type:** RESOURCE

**Length:** 192.89

Feet

**Width (ft.):** 30

**Max slope (%):** 3

**Max grade (%):** 3

**Army Corp of Engineers (ACOE) permit required?** NO

**ACOE Permit Number(s):**

**New road travel width:** 14

**New road access erosion control:** None

**New road access plan or profile prepared?** NO

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**New road access plan attachment:**

**Access road engineering design?** NO

**Access road engineering design attachment:**

**Turnout?** Y

**Access surfacing type:** OTHER

**Access topsoil source:** OFFSITE

**Access surfacing type description:** Caliche

**Access onsite topsoil source depth:**

**Offsite topsoil source description:** Topsoil will be on edge of lease road.

**Onsite topsoil removal process:**

**Access other construction information:** None

**Access miscellaneous information:** None

**Number of access turnouts:** 6

**Access turnout map:**

### Drainage Control

**New road drainage crossing:** OTHER

**Drainage Control comments:** None

**Road Drainage Control Structures (DCS) description:** None

**Road Drainage Control Structures (DCS) attachment:**

### Access Additional Attachments

### Section 3 - Location of Existing Wells

**Existing Wells Map?** YES

**Attach Well map:**

Lindale24\_25W1DEFed1H\_existingwellmap\_20180911111215.pdf

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

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Production Facilities description:** 4" steel buried gas line 12" buried poly SWD pipeline Overhead elec line

**Production Facilities map:**

Lindale24\_25W1DEFed1H\_productionfacilitymap1\_20180912090327.pdf

Lindale24\_25W1DEFed1H\_productionfacilitymap2\_20180912090350.pdf

Lindale24\_25W1DEFed1H\_productionfacilitymap3\_20180912090408.pdf

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## Section 5 - Location and Types of Water Supply

### Water Source Table

**Water source type:** IRRIGATION

**Water source use type:**

- SURFACE CASING
- STIMULATION
- DUST CONTROL
- INTERMEDIATE/PRODUCTION  
CASING

**Source latitude:** 32.15701

**Source longitude:** -103.525604

**Source datum:** NAD83

**Water source permit type:** WATER WELL

**Water source transport method:** TRUCKING

**Source land ownership:** PRIVATE

**Source transportation land ownership:** COMMERCIAL

**Water source volume (barrels):** 2014

**Source volume (acre-feet):** 0.2595907

**Source volume (gal):** 84588

**Water source type:** IRRIGATION

**Water source use type:**

- SURFACE CASING
- STIMULATION
- DUST CONTROL
- INTERMEDIATE/PRODUCTION  
CASING

**Source latitude:** 32.05537

**Source longitude:** -103.8013

**Source datum:** NAD83

**Water source permit type:** WATER WELL

**Water source transport method:** TRUCKING

**Source land ownership:** FEDERAL

**Source transportation land ownership:** COMMERCIAL

**Water source volume (barrels):** 2014

**Source volume (acre-feet):** 0.2595907

**Source volume (gal):** 84588

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**Water source and transportation map:**

Lindale24\_25W1DEFed1H\_WATERSOURCEANDTRANSmap\_20180911111335.pdf

**Water source comments:** Both Sources shown on one map**New water well?** NO**New Water Well Info****Well latitude:****Well Longitude:****Well datum:****Well target aquifer:****Est. depth to top of aquifer(ft):****Est thickness of aquifer:****Aquifer comments:****Aquifer documentation:****Well depth (ft):****Well casing type:****Well casing outside diameter (in.):****Well casing inside diameter (in.):****New water well casing?****Used casing source:****Drilling method:****Drill material:****Grout material:****Grout depth:****Casing length (ft.):****Casing top depth (ft.):****Well Production type:****Completion Method:****Water well additional information:****State appropriation permit:****Additional information attachment:****Section 6 - Construction Materials****Using any construction materials:** YES**Construction Materials description:** Caliche - both sources shown on one map.**Construction Materials source location attachment:**

Lindale24\_25W1DEFed1H\_CALICHESOURCEANDTRANSmap\_20180911111356.pdf

**Section 7 - Methods for Handling Waste****Waste type:** SEWAGE**Waste content description:** Human waste & grey water**Amount of waste:** 1500 gallons**Waste disposal frequency :** Weekly**Safe containment description:** 2,000 gallon plastic container**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Disposal type description:**

**Disposal location description:** City of Carlsbad Water Treatment facility

**Waste type:** GARBAGE

**Waste content description:** Garbage & trash

**Amount of waste:** 1500 pounds

**Waste disposal frequency :** One Time Only

**Safe containment description:** Enclosed trash trailer

**Safe containmant attachment:**

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

**Disposal type description:**

**Disposal location description:** Waste Management facility in Carlsbad.

**Waste type:** DRILLING

**Waste content description:** Drill cuttings

**Amount of waste:** 940 barrels

**Waste disposal frequency :** One Time Only

**Safe containment description:** Drill cuttings will be properly contained in steel tanks (20 yard roll off bins.)

**Safe containmant attachment:**

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

**Disposal type description:**

**Disposal location description:** NMOCD approved waste disposal locations are CRI or Lea Land, both facilities are located on HWY 62/180, Sec. 27 T20S R32E.

### Reserve Pit

**Reserve Pit being used?** NO

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)**      **Reserve pit width (ft.)**

**Reserve pit depth (ft.)**      **Reserve pit volume (cu. yd.)**

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

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

### Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Description of cuttings location**

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

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

WCuttings area liner

Cuttings area liner specifications and installation description

**Section 8 - Ancillary Facilities**

Are you requesting any Ancillary Facilities?: NO

Ancillary Facilities attachment:

Comments:

**Section 9 - Well Site Layout**

Well Site Layout Diagram:

Lindale24\_25W1DEFed1H\_wellsitelayout\_20180911111426.pdf

Comments:

**Section 10 - Plans for Surface Reclamation**

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: LINDALE 24/25 DE WELLS

Multiple Well Pad Number: 4

Recontouring attachment:

Drainage/Erosion control construction: None

Drainage/Erosion control reclamation: None

<b>Well pad proposed disturbance</b> (acres): 4.05	<b>Well pad interim reclamation (acres):</b> 1.088	<b>Well pad long term disturbance</b> (acres): 2.962
<b>Road proposed disturbance (acres):</b> 0.133	<b>Road interim reclamation (acres):</b> 0	<b>Road long term disturbance (acres):</b> 0
<b>Powerline proposed disturbance</b> (acres): 0	<b>Powerline interim reclamation (acres):</b> 0	<b>Powerline long term disturbance</b> (acres): 0
<b>Pipeline proposed disturbance</b> (acres): 0	<b>Pipeline interim reclamation (acres):</b> 0	<b>Pipeline long term disturbance</b> (acres): 0
<b>Other proposed disturbance (acres):</b> 0	<b>Other interim reclamation (acres):</b> 0	<b>Other long term disturbance (acres):</b> 0
<b>Total proposed disturbance:</b> 4.183	<b>Total interim reclamation:</b> 1.088	<b>Total long term disturbance:</b> 2.962

**Disturbance Comments:** 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 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. Contaminated soil will not be stockpiled, but properly treated and handled prior to topsoil salvaging.

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Reconstruction method:** The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

**Topsoil redistribution:** Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

**Soil treatment:** NA

**Existing Vegetation at the well pad:** Various brush & grasses

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:** Various brush & grasses

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:** NA

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:** NA

**Existing Vegetation Community at other disturbances attachment:**

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

**Seed Management**

**Seed Table**

**Seed Summary**

**Total pounds/Acre:**

**Seed Type**

**Pounds/Acre**

**Seed reclamation attachment:**



<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

### Operator Contact/Responsible Official Contact Info

**First Name:****Last Name:****Phone:** (575)393-5905**Email:** bbishop@mewbourne.com

**Seedbed prep:** 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.

**Seed BMP:** To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used.

**Seed method:** drilling or broadcasting seed over entire reclaimed area.

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Weed treatment plan description:** NA

**Weed treatment plan attachment:**

**Monitoring plan description:** vii. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion and invasive/noxious weeds are controlled.

**Monitoring plan attachment:**

**Success standards:** regrowth within 1 full growing season of reclamation.

**Pit closure description:** NA

**Pit closure attachment:**

### Section 11 - Surface Ownership

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Fee Owner:** Pecos Valley Artesian Convservation District  
**Phone:** (575)622-7000  
**Fee Owner Address:**  
**Email:**

**Surface use plan certification:** NO  
**Surface use plan certification document:**

**Surface access agreement or bond:** Agreement  
**Surface Access Agreement Need description:** SUA in place  
**Surface Access Bond BLM or Forest Service:**  
**BLM Surface Access Bond number:**  
**USFS Surface access bond number:**

**Disturbance type:** NEW ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

**Fee Owner:** Pecos Valley Artesian Conservation  
District  
**Phone:** (575)622-7000

**Fee Owner Address:**  
**Email:**

**Surface use plan certification:** NO  
**Surface use plan certification document:**

**Surface access agreement or bond:** Agreement

**Surface Access Agreement Need description:** SUA in place

**Surface Access Bond BLM or Forest Service:**

**BLM Surface Access Bond number:**

**USFS Surface access bond number:**

## Section 12 - Other Information

**Right of Way needed?** NO

**Use APD as ROW?**

**ROW Type(s):**

## ROW Applications

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**SUPO Additional Information:** AUG 28 2018 Met w/RRC Surveying & staked location @ 205' FNL & 615' FWL, Sec 24, T26S, R30E, Eddy Co., NM. This location was unacceptable due to buried gas pipelines to E. Re-staked location @ 405' FNL & 565' FWL, Sec 24, T26S, R30E, Eddy Co., NM. (Elevation @ 3139'). Pit area will be to the S. Topsoil N. Pad will be 340 x 490. Reclaim 60 N & W. Approx. 100 of new road off the SE corner. Battery TBD. Location is in MOA. Lat: 32.03424075 N, Long: -103.84149431 W NAD 83  
**Use a previously conducted onsite?** NO

**Previous Onsite information:**

#### Other SUPO Attachment

Lindale24\_25W1DEFed1H\_gascaptureplan\_20180911112052.pdf  
 Lindale24\_25W1DEFed1H\_interimreclamationdiagram\_20180911112105.pdf

PWD

#### Section 1 - General

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

#### Section 2 - Lined Pits

**Would you like to utilize Lined Pit PWD options?** NO

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Lined pit PWD on or off channel:**

**Lined pit PWD discharge volume (bbl/day):**

**Lined pit specifications:**

**Pit liner description:**

**Pit liner manufacturers information:**

**Precipitated solids disposal:**

**Describe precipitated solids disposal:**

**Precipitated solids disposal permit:**

**Lined pit precipitated solids disposal schedule:**

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Lined pit precipitated solids disposal schedule attachment:**

**Lined pit reclamation description:**

**Lined pit reclamation attachment:**

**Leak detection system description:**

**Leak detection system attachment:**

**Lined pit Monitor description:**

**Lined pit Monitor attachment:**

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

**Is the reclamation bond a rider under the BLM bond?**

**Lined pit bond number:**

**Lined pit bond amount:**

**Additional bond information attachment:**

### Section 3 - Unlined Pits

**Would you like to utilize Unlined Pit PWD options?** NO

**Produced Water Disposal (PWD) Location:**

**PWD 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:**

**Describe precipitated solids disposal:**

**Precipitated solids disposal permit:**

**Unlined pit precipitated solids disposal schedule:**

**Unlined pit precipitated solids disposal schedule attachment:**

**Unlined pit reclamation description:**

**Unlined pit reclamation attachment:**

**Unlined pit Monitor description:**

**Unlined pit Monitor attachment:**

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

**Beneficial use user confirmation:**

**Estimated depth of the shallowest aquifer (feet):**

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

**TDS lab results:**

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**Geologic and hydrologic evidence:**

**State authorization:**

**Unlined Produced Water Pit Estimated percolation:**

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

**Is the reclamation bond a rider under the BLM bond?**

**Unlined pit bond number:**

**Unlined pit bond amount:**

**Additional bond information attachment:**

#### Section 4 - Injection

**Would you like to utilize Injection PWD options?** NO

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Injection PWD discharge volume (bbl/day):**

**Injection well mineral owner:**

**Injection well type:**

**Injection well number:**

**Injection well name:**

**Assigned injection well API number?**

**Injection well API number:**

**Injection well new surface disturbance (acres):**

**Minerals protection information:**

**Mineral protection attachment:**

**Underground Injection Control (UIC) Permit?**

**UIC Permit attachment:**

#### Section 5 - Surface Discharge

**Would you like to utilize Surface Discharge PWD options?** NO

**Produced Water Disposal (PWD) Location:**

**PWD surface owner:**

**PWD disturbance (acres):**

**Surface discharge PWD discharge volume (bbl/day):**

**Surface Discharge NPDES Permit?**

**Surface Discharge NPDES Permit attachment:**

**Surface Discharge site facilities information:**

**Surface discharge site facilities map:**

#### Section 6 - Other

**Would you like to utilize Other PWD options?** NO

<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**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

## 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:** Bradley Bishop**Signed on:** 02/09/2021**Title:** Regulatory**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88260**Phone:** (575)393-5905**Email address:** bbishop@mewbourne.com

## Field Representative

**Representative Name:** Andrew Taylor**Street Address:****City:****State:****Zip:****Phone:****Email address:** ataylor@mewbourne.com



<b>Well Name:</b> LINDALE 24/25 W1DE FED	<b>Well Location:</b> T26S / R30E / SEC 24 / NWNW / 32.0342407 / -103.8414943	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM018626, NMNM18626	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001546168	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

### NOI Attachments

#### Procedure Description

Lindale\_24\_25\_W1DE\_Fed\_Com\_1H\_Technical\_Data\_Sheet\_LIB\_FJM\_7.625\_x\_39\_P110\_HC\_20210209161857.pdf

Lindale\_24\_25\_W1DE\_Fed\_Com\_1H\_7.625\_Csg\_Sundry\_20210209161845.doc

### Conditions of Approval

#### Additional Reviews

LINDALE\_24\_25\_W1DE\_FED\_COM\_1H\_Sundry\_Drilling\_COA\_OTA\_20210211163713.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:** BISHOP

**Signed on:** FEB 09, 2021 04:19 PM

**Name:** MEWBOURNE OIL COMPANY

**Title:** Regulatory

**Street Address:** P O BOX 5270

**City:** HOBBS

**State:** NM

**Phone:** (505) 393-5905

**Email address:** NOT ENTERED

### Field Representative

**Representative Name:** Andrew Taylor

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:** ataylor@mewbourne.com

### 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:** 02/11/2021

**Signature:** Chris Walls

**Mewbourne Oil Company, Lindale 24/25 WIDE Fed Com #1H**  
**Sec 24, T26S, R30E**  
**SL: 405' FNL & 565' FWL (24)**  
**BHL: 2336' FNL & 330' FWL (25)**

**Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	1000'	13.375"	48	H40	STC	1.68	3.78	6.71	11.27
12.25"	0'	3700'	9.625"	40	J55	LTC	1.34	2.05	3.51	4.26
8.75"	0'	10,740'	7.625"	39	P110	FJ	2.18	2.27	1.75	2.94
6.125"	10,540'	18,718'	4.5"	13.5	P110	LTC	1.51	1.76	3.06	3.82
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h  
 Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Y
If yes, are there two strings cemented to surface?	Y
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

**Mewbourne Oil Company, Lindale 24/25 WIDE Fed Com #1H**  
**Sec 24, T26S, R30E**  
**SL: 405' FNL & 565' FWL (24)**  
**BHL: 2336' FNL & 330' FWL (25)**

**Cementing Program**

Casing	# Sks	Wt. lb/ gal	Yld ft <sup>3</sup> / sack	H <sub>2</sub> O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	530	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Inter.	595	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Prod. 1 <sup>st</sup> Stg	130	12.5	2.12	11	9	Lead: Class C + Salt + Gel + Extender + LCM
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
ECP/DV Tool @ 4858'						
Prod. 2 <sup>nd</sup> Stg	50	12.5	2.12	11	9	Lead: Class C + Salt + Gel + Extender + LCM
	100	14.8	1.34	6.3	8	Tail: Class C + Retarder
Liner	325	11.2	2.97	18	16	Class H + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

A copy of cement test will be available on location at time of cement job providing pump times & compressive strengths.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	3500'	25%
Liner	10,540'	25%

**Mud Program**

TVD		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	1000'	Spud Mud	8.6-8.8	28-34	N/C
1000'	3700'	Brine	10.0	28-34	N/C
3700'	11,200'	Cut Brine	8.6-9.7	28-34	N/C
11,200'	11,298'	OBM	10.0-12.0	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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# U. S. Steel Tubular Products

1/21/2020 11:41:25 AM

**7.625" 39.00lbs/ft (0.500" Wall) P110 HC USS-LIBERTY FJM®**


MECHANICAL PROPERTIES	Pipe	USS-LIBERTY FJM®	
Minimum Yield Strength	110,000	--	psi
Maximum Yield Strength	140,000	--	psi
Minimum Tensile Strength	125,000	--	psi
DIMENSIONS	Pipe	USS-LIBERTY FJM®	
Outside Diameter	7.625	7.625	in.
Wall Thickness	0.500	--	in.
Inside Diameter	6.625	6.539	in.
Standard Drift	6.500	6.500	in.
Alternate Drift	--	--	in.
Nominal Linear Weight, T&C	39.00	--	lbs/ft
Plain End Weight	38.08	--	lbs/ft
SECTION AREA	Pipe	USS-LIBERTY FJM®	
Critical Area	11.192	6.665	sq. in.
Joint Efficiency	--	59.5	%
PERFORMANCE	Pipe	USS-LIBERTY FJM®	
Minimum Collapse Pressure	12,180	12,180	psi
Minimum Internal Yield Pressure	12,640	12,640	psi
Minimum Pipe Body Yield Strength	1,231,000	--	lbs
Joint Strength	--	733,000	lbs
Compression Rating	--	733,000	lbs
Reference Length	--	12,843	ft
Maximum Uniaxial Bend Rating	--	39.4	deg/100 ft
MAKE-UP DATA	Pipe	USS-LIBERTY FJM®	
Make-Up Loss	--	4.75	in.
Minimum Make-Up Torque	--	14,700	ft-lbs
Maximum Make-Up Torque	--	20,750	ft-lbs

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness and Specified Minimum Yield Strength (SMYS).
2. Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
4. USS-LIBERTY FJM™ connections are optimized for each combination of OD and wall thickness and cannot be interchanged.
5. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
6. Reference length is calculated by joint strength divided by nominal plain end weight with 1.5 safety factor.
7. Connection external pressure leak resistance has been verified to 100% API pipe body collapse pressure following the guidelines of API 5C5 Cal III.

## Legal Notice

USS-LIBERTY FJM® is a trademark of U. S. Steel Corporation. All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U.S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

U. S. Steel Tubular Products  
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Spring, Texas 77380

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connections@uss.com  
www.usstubular.com

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>Mewbourne Oil Company</b>
<b>LEASE NO.:</b>	<b>NMNM018626</b>
<b>WELL NAME &amp; NO.:</b>	<b>LINDALE 24/25 WIDE FED COM #1H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>405'/N &amp; 565'/W</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>2336'/N &amp; 330'/W</b>
<b>LOCATION:</b>	<b>Section 24, T.26 S., R.30 E., NMP</b>
<b>COUNTY:</b>	<b>Eddy County, New Mexico</b>

### COA

H2S	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit

### All Previous COAs Still Apply

#### A. CASING

##### Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **1000** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,



whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The 9-5/8 inch intermediate casing shall be set at approximately 3700 feet. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
  - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the 7-5/8 inch production casing is:

**Option 1 (Single Stage):**

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.  
**Excess cement calculates to -33%, additional cement might be required.**

**Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- b. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- c. Second stage above DV tool:

Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.  
**Excess cement calculates to -54%, additional cement might be required.**
4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
  - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

**B. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

**Option 1:**

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

**Option 2:**

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.



**C. SPECIAL REQUIREMENT (S)****Communitization Agreement**

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

**OTA01262021**

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS  
  
Action 18249

COMMENTS

Operator:	MEWBOURNE OIL CO      P.O. Box 5270      Hobbs, NM88241			OGRID:	14744	Action Number:	18249	Action Type:	C-103A
Created By	Comment					Comment Date			
kpickford	KP 2/23/2021 GEO Review					02/23/2021			

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**Santa Fe, NM 87505**

CONDITIONS  
  
Action 18249

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	18249	Action Type:	C-103A
OCD Reviewer									Condition
jagarcia									None