

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

Notice of Intent

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action</b> APD Change
<b>Date Sundry Submitted:</b> 01/15/2021	<b>Time Sundry Submitted:</b> 04:36
<b>Date proposed operation will begin:</b> 01/15/2021	
<b>Procedure Description:</b> Mewbourne Oil Co. requests approval to make the following change(s) to the approved APD: Change 7" production casing to 7 5/8" HCP110 FJ as described in the attachment	

Application

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Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM094610, NMNM94610	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547644	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Section 1 - General

APD ID: 10400047599	Tie to previous NOS?	Submission Date: 10/02/2019
BLM Office: CARLSBAD	User: Bradley Bishop	Title: Regulatory
Federal/Indian APD: FED	Is the first lease penetrated for production Federal or Indian? FED	
Lease number: NMNM094610	Lease Acres:	
Surface access agreement in place?	Allotted?	Reservation:
Agreement in place? NO	Federal or Indian agreement:	
Agreement number:		
Agreement name:		
Keep application confidential? Y		
Permitting Agent? NO	APD Operator: MEWBOURNE OIL COMPANY	
Operator letter of designation:		

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

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: LINDALE 24/25 W1CF FED COM	Well Number: 2H	Well API Number: 3001547644
Field/Pool or Exploratory? Field and Pool	Field Name: JENNINGS	Pool Name: PURPLE SAGE; 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: LINDALE 24/25 CF WELLS	Number: 2
Well Class: HORIZONTAL	Number of Legs: 1	
Well Work Type: Drill		
Well Type: CONVENTIONAL GAS WELL		
Describe Well Type:		

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FED COM

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NMNM94610

US Well Number: 3001547644

Well Location: T26S / R30E / SEC 13 /  
SESW / 32.0361834 / -103.8359585

Type of Well: CONVENTIONAL GAS  
WELL

Unit or CA Name:

Well Status: Approved Application for  
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NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MEWBOURNE OIL  
COMPANY

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

Well sub-Type: APPRAISAL

Describe sub-type:

Distance to town: 25 MilesDistance to nearest well: 200 FTDistance to lease line: 185 FT

Reservoir well spacing assigned acres Measurement: 480 Acres

Well plat: LINDALE24\_25W1CFFED2H\_wellplat\_20190930141924.pdf

Well work start Date: 11/30/2019Duration: 60 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83Vertical Datum: NAVD88Survey number:Reference Datum: GROUND LEVEL

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	305	FSL	2280	FWL	26S	30E	13	Aliquot SESW	32.0361834	-103.8359585	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM094610	3255	0	0	N
KOP Leg #1	150	FSL	2310	FWL	26S	30E	13	Aliquot SESW	32.0357575	-103.8358544	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM094610	-7598	10855	10853	N
PPP Leg #1-1	330	FNL	2310	FWL	26S	30E	24	Aliquot NWNW	32.034438	-103.8358558	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM018626	-8163	11662	11418	Y
EXIT Leg #1	2310	FNL	2310	FWL	26S	30E	25	Aliquot SENW	32.0143544	-103.8358782	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM018626	-8171	18968	11426	Y

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US Well Number: 3001547644

Well Location: T26S / R30E / SEC 13 /  
SESW / 32.0361834 / -103.8359585

Type of Well: CONVENTIONAL GAS  
WELL

Unit or CA Name:

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NM

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Unit or CA Number:

Operator: MEWBOURNE OIL  
COMPANY

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	2310	FNL	2310	FWL	26S	30E	25	Aliquot SENW	32.0143544	-103.8358782	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM018626	-8171	18968	11426	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1385909	UNKNOWN	3255	28	28	OTHER : Top Soil	NONE	N
1385910	RUSTLER	2300	955	955	ANHYDRITE, DOLOMITE	USEABLE WATER	N
1385911	TOP SALT	1900	1355	1355	SALT	NONE	N
1385912	BASE OF SALT	-395	3650	3650	SALT	NONE	N
1385913	LAMAR	-560	3815	3815	LIMESTONE	NATURAL GAS, OIL	N
1385914	BELL CANYON	-602	3857	3857	SANDSTONE	NATURAL GAS, OIL	N
1385915	CHERRY CANYON	-1500	4755	4755	SANDSTONE	NATURAL GAS, OIL	N
1385916	MANZANITA	-1680	4935	4935	SANDSTONE	NATURAL GAS, OIL	N
1385918	BONE SPRING	-4455	7710	7710	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
1385919	BONE SPRING 1ST	-5410	8665	8665	SANDSTONE	NATURAL GAS, OIL	N
1385920	BONE SPRING 2ND	-6080	9335	9335	SANDSTONE	NATURAL GAS, OIL	N
1385921	BONE SPRING 3RD	-7328	10583	10583	SANDSTONE	NATURAL GAS, OIL	N
1385922	WOLFCAMP	-7720	10975	10985	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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SESW / 32.0361834 / -103.8359585

Type of Well: CONVENTIONAL GAS  
WELL

Unit or CA Name:

Well Status: Approved Application for  
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County or Parish/State: EDDY /  
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MEWBOURNE OIL  
COMPANY

Pressure Rating (PSI): 10M

Rating Depth: 18968

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 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\_W1CF\_Fed\_Com\_2H\_10M\_BOPE\_Choke\_Diagram\_20200130084236.pdf
- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_Flex\_Line\_Specs\_20200130084237.pdf
- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_Flex\_Line\_Specs\_API\_16C\_20200130084241.pdf

BOP Diagram Attachment:

- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_10M\_BOPE\_Schematic\_w\_5M\_Annular\_20200130084322.pdf
- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_10M\_Multi\_Bowl\_WH\_20200130090249.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	17.5	13.375	NEW	API	N	0	1005	0	1005	3255	2250	1005	H-40	48	ST&C	1.67	3.76	DRY	6.67	DRY
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3750	0	3750		-495	3750	L-80	40	LT&C	1.58	2.95	DRY	4.85	DRY
3	PRODUCTION	8.75	7.0	NEW	API	N	0	11500	0	11370		-8115	11500	HCP-110	29	LT&C	1.64	2	DRY	2.39	DRY
4	LINER	6.125	4.5	NEW	API	N	10855	18968	10853	11426	-7598	-8171	8113	P-110	13.5	LT&C	1.5	1.74	DRY	3.09	DRY

Casing Attachments

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Casing Attachments

Casing ID: 1	String Type: SURFACE
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
Lindale_24_25_W1CF_Fed_2H_Csg_Assumptions_20200130090549.pdf	

Casing ID: 2	String Type: INTERMEDIATE
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Lindale_24_25_H3DE_Fed_2H_Tapered_String_20180924150644.pdf	
Casing Design Assumptions and Worksheet(s):	
Lindale_24_25_W1CF_Fed_2H_Csg_Assumptions_20200130090603.pdf	

Casing ID: 3	String Type: PRODUCTION
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
Lindale_24_25_W1CF_Fed_2H_Csg_Assumptions_20200130090619.pdf	

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Type of Well: CONVENTIONAL GAS  
WELL

Unit or CA Name:

Well Status: Approved Application for  
Permit to Drill

County or Parish/State: EDDY /  
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MEWBOURNE OIL  
COMPANY

Casing Attachments

Casing ID: 4                      String Type:LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Lindale\_24\_25\_W1CF\_Fed\_2H\_Csg\_Assumptions\_20200130090632.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
SURFACE	Lead		0	814	540	2.12	12.5	1145	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		814	1005	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	3059	560	2.12	12.5	1187	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		3059	3750	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead	4935	3550	4224	60	2.12	12.5	127	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		4224	4935	100	1.34	14.8	134	25	Class C	Retarder
PRODUCTION	Lead	4935	4935	8991	360	2.12	12.5	763	25	Class H	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		8991	1150 0	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		1085 5	1896 8	320	2.97	11.2	950	25	Class H	Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-Settling Agent

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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

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	1005	SPUD MUD	8.6	8.8							
1005	3750	SALT SATURATED	10	10							
3750	11370	WATER-BASED MUD	8.6	9.5							
11370	11426	OIL-BASED MUD	9.5	13							

Section 6 - Test, Logging, Coring

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

Will run GR/CNL from KOP (10855') to surface.

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

COMPENSATED NEUTRON LOG,DIRECTIONAL SURVEY,GAMMA RAY LOG,MEASUREMENT WHILE DRILLING,MUD LOG/GEOLOGIC LITHOLOGY LOG,MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

None

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Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7724                      Anticipated Surface Pressure: 5210

Anticipated Bottom Hole Temperature(F): 160

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:

Lindale\_24\_25\_W1CF\_Fed\_2H\_H2S\_Plan\_20190918150159.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Lindale\_24\_25\_W1CF\_Fed\_2H\_Dir\_plot\_20190918150219.pdf

Lindale\_24\_25\_W1CF\_Fed\_2H\_Dir\_plan\_20190918150219.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Lindale\_24\_25\_W1CF\_Fed\_2H\_Add\_Info\_20190918150243.pdf

Other Variance attachment:

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

LINDALE24\_25W1CFFED2H\_existingroadmap\_20190930142126.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:

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Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

LINDALE24\_25W1CFFED2H\_flowlinemap\_20190930143751.pdf

LINDALE24\_25W1CFFED2H\_newroadmap\_20190930142146.pdf

New road type: RESOURCE

Length: 884.84                      Feet                      Width (ft.): 30

Max slope (%): 3                      Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: None

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: 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:                      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

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Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

LINDALE24\_25W1CFFED2H\_existingwellmap\_20190930142330.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: 1 3.5 buried steel flowline with a working pressure of 250#. 1 3.5 buried steel gas line for gas lift purposes with a working pressure of 250#. 1 1 buried gas supply line with a working pressure of 150#. These lines will be installed in one ditch following the attached route approximately 3300' in length.

Production Facilities map:

Lindale24\_25W1CFFed2H\_productionfacilitymap\_20190930142423.pdf

LINDALE24\_25W1CFFED2H\_flowlinemap\_20190930143327.pdf

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		

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**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

**Water source and transportation map:**

LINDALE24\_25W1CFFED2H\_watersourceandtransmap\_20190930142607.pdf

**Water source comments:** Both Sources shown on one map

**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:**

**State appropriation permit:**

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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\_25W1CFFED2H\_calichesourceandtransmap\_20190930142621.pdf

Section 7 - Methods for Handling Waste

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: 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

Disposal type description:

Disposal location description: City of Carlsbad Water Treatment facility

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

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

Disposal type description:

Disposal location description: NMOC 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? 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

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

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?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

LINDALE24\_25W1CFFED2H\_wellsitelayout\_20190930142657.pdf

Comments:

Well Number: 2H

Type of Well: CONVENTIONAL GAS  
WELL

Allottee or Tribe Name:

Lease Number: NMNM094610,  
NMNM94610

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001547644

Well Status: Approved Application for  
Permit to Drill

Operator: MEWBOURNE OIL  
COMPANY

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: LINDALE 24/25 CF WELLS

Multiple Well Pad Number: 2

Recontouring attachment:

Drainage/Erosion control construction: None

Drainage/Erosion control reclamation: None

Well pad proposed disturbance (acres): 3.95	Well pad interim reclamation (acres): 1.47	Well pad long term disturbance (acres): 2.48
Road proposed disturbance (acres): 0.6	Road interim reclamation (acres): 0	Road long term disturbance (acres): 0
Powerline proposed disturbance (acres): 0	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 0	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance: 4.55	Total interim reclamation: 1.47	Total long term disturbance: 2.48

**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.

**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? N

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Well Name: LINDALE 24/25 W1CF FED COM	Well Location: T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM094610, NMNM94610	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547644	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Non native seed description:

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	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

**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? N

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:

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

Section 11 - Surface Ownership

**Disturbance type:** EXISTING ACCESS ROAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT,PRIVATE OWNERSHIP

**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 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:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT,PRIVATE OWNERSHIP

**Other surface owner description:**

**BIA Local Office:**

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

**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:**

**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:**

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

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:** JAN 03 2019 Met w/RRC Surveying, Paul Murphy & Kyle Rybacki w/BLM @ 305' FSL & 2180' FWL, Sec 13, T26S, R30E, Eddy Co., NM. Location unacceptable by BLM due topography. Re-staked location @ 305' FSL & 2280' FWL, Sec 13, T26S, R30E, Eddy Co., NM. (Elevation @ 3227'). Approx. 900 of new road needed off the SE corner heading E to staked Lindale BG location. Reclaim all sides 60. Flow line staked along existing two track road under BLM review due to erosion concerns. Location is in MOA. Will require BLM onsite. Lat: 32.0361834 N, Long: -103.8359585 W NAD 83.

Use a previously conducted onsite? N

Previous Onsite information:

Other SUPO Attachment

LINDALE24\_25W1CFFED2H\_gascaptureplan\_20190930143218.pdf  
LINDALE24\_25W1CFFED2H\_interimreclamationdiagram\_20190930143225.pdf

PWD

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

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:

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Well Name: LINDALE 24/25 W1CF FED COM	Well Location: T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM094610, NMNM94610	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547644	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

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

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<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):**

**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

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 2H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM094610, NMNM94610	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

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.

<b>NAME:</b> Bradley Bishop	<b>Signed on:</b> 01/15/2021
<b>Title:</b> Regulatory	
<b>Street Address:</b> PO Box 5270	
<b>City:</b> Hobbs	<b>State:</b> NM
	<b>Zip:</b> 88260
<b>Phone:</b> (575)393-5905	
<b>Email address:</b> bbishop@mewbourne.com	

Field Representative

<b>Representative Name:</b> Andy Taylor	
<b>Street Address:</b>	
<b>City:</b>	<b>State:</b>
	<b>Zip:</b>
<b>Phone:</b> (575)393-5905	
<b>Email address:</b> ataylor@mewbourne.com	

NOI Attachments

Procedure Description

- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_7.625\_Csg\_Sundry\_20210115163533.doc
- Lindale\_24\_25\_W1CF\_Fed\_Com\_2H\_Technical\_Data\_Sheet\_LIB\_FJM\_7.

<b>Well Name:</b> LINDALE 24/25 W1CF FED COM	<b>Well Location:</b> T26S / R30E / SEC 13 / SESW / 32.0361834 / -103.8359585	<b>County or Parish/State:</b> EDDY / NM
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<b>US Well Number:</b> 3001547644	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> MEWBOURNE OIL COMPANY

625\_x\_39\_P110\_HC\_20210115163522.pdf

Conditions of Approval

Additional Reviews

LINDALE\_24\_25\_W1CF\_FED\_COM\_2H\_Sundry\_Drilling\_COA\_OTA\_20210126110037.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.

<b>Operator Electronic Signature:</b> BISHOP	<b>Signed on:</b> JAN 15, 2021 04:35 PM
<b>Name:</b> MEWBOURNE OIL COMPANY	
<b>Title:</b> Regulatory	
<b>Street Address:</b> P O BOX 5270	
<b>City:</b> HOBBS	<b>State:</b> NM
<b>Phone:</b> (505) 393-5905	
<b>Email address:</b> NOT ENTERED	

Field Representative

<b>Representative Name:</b> Andy Taylor		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b> (575)393-5905		
<b>Email address:</b> ataylor@mewbourne.com		

BLM Point of Contact

<b>BLM POC Name:</b> CHRISTOPHER WALLS	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5752342234	<b>BLM POC Email Address:</b> cwalls@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 02/19/2021
<b>Signature:</b> Chris Walls	

**Mewbourne Oil Company, Lindale 24/25 W1CF Fed Com #2H**  
**Sec 13, T26S, R30E**  
**SL: 305' FSL & 2280' FWL (13)**  
**BHL: 2336' FNL & 2590' 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'	10,855'	7.625"	39	P110	FJ	2.16	2.24	1.73	2.91
6.125"	10,655'	18,968'	4.5"	13.5	P110	LTC	1.50	1.74	3.01	3.76
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 W1CF Fed Com #2H**  
**Sec 13, T26S, R30E**  
**SL: 305' FSL & 2280' FWL (13)**  
**BHL: 2336' FNL & 2590' FWL (25)**

**Cementing Program**

Casing	# Sk	Wt. lb/ gal	Yld ft3/ 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	135	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	335	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	10,655'	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'	11,350'	Cut Brine	8.6-9.7	28-34	N/C
11,350'	11,426'	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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## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>Mewbourne Oil Company</b>
<b>LEASE NO.:</b>	<b>NMNM094610</b>
<b>WELL NAME &amp; NO.:</b>	<b>LINDALE 24/25 W1CF FED COM #2H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>305'/S &amp; 2280'/W</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>2336'/N &amp; 2590'/W</b>
<b>LOCATION:</b>	<b>Section 13, 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 **1005** 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 -32%, 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 19779

**COMMENTS**

Operator:				OGRID:		Action Number:		Action Type:	
	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241		14744		19779		C-103A

Created By	Comment	Comment Date
jagarcia	Accepted for Record	03/10/2021
kpickford	KP GEO Review 3/05/2021	03/05/2021

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CONDITIONS  
  
Action 19779

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	19779	Action Type:	C-103A
OCD Reviewer	Condition								
kpickford	Adhere to previous NMOCD Conditions of Approval								