

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Type of Submission: Notice of Intent	Type of Action APD Change
Date Sundry Submitted: 01/15/2021	Time Sundry Submitted: 01:54
Date proposed operation will begin: 01/29/2021	

Procedure Description: Change name to LOCO HILLS 2/1 B2GH FED COM #2H Change SL to 1398' FNL & 2353' FEL, Sec 2 T18S R30E Change BHL to 2160' FNL & 100' FEL, Sec 1 T18S R30E Change production facility to SE edge of well pad approximately 100' X 400' & install 154' of lease road. See attached for plats. Please call Bradley Bishop with any questions. Bond on file: NM1693 nationwide & NMB000919

Application

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Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
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Section 1 - General

APD ID: 10400038712	Tie to previous NOS?	Submission Date:
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: NMNM121954	Lease Acres:	
Surface access agreement in place?	Allotted?	Reservation:
Agreement in place? N	Federal or Indian agreement:	
Agreement number:		
Agreement name:		
Keep application confidential? YES		
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: LOCO HILLS 2/1 B2GH FED COM	Well Number: 2H	Well API Number: 3001546116
Field/Pool or Exploratory? Field and Pool	Field Name: LOCO HILLS	Pool Name: BONE SPRING
Is the proposed well in an area containing other mineral resources? USEABLE WATER		
Is the proposed well in a Helium production area? N	Use Existing Well Pad? NO	New surface disturbance?
Type of Well Pad: SINGLE WELL	Multiple Well Pad Name:	Number:
Well Class: HORIZONTAL	Number of Legs: 1	
Well Work Type: Drill		
Well Type: OIL WELL		
Describe Well Type:		

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Unit or CA Number:

Operator: MEWBOURNE OIL
COMPANY

Is the proposed well in an area containing other mineral resources? USEABLE WATER

Well sub-Type: APPRAISAL

Describe sub-type:

Distance to town: 20 Miles

Distance to nearest well: 330 FT

Distance to lease line: 185 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: LocoHills1_2B2JIFedCom1H_wellplat_20190131151242.pdf

Well work start Date: 03/31/2019

Duration: 60 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 1

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	1398	FNL	2353	FEL	18S	30E	2	Aliquot SWNE	32.7798682	-103.941685	EDD Y	NEW MEXICO	NEW MEXICO	S	STATE	3623	0	0	Y
KOP Leg #1	1980	FSL	2631	FEL	18S	30E	2	Aliquot NWSE	32.7746214	-103.9426201	EDD Y	NEW MEXICO	NEW MEXICO	S	STATE	-3974	7660	7597	Y
PPP Leg #1-1	1980	FSL	2541	FEL	18S	30E	2	Aliquot NWSE	32.7746213	-103.9423013	EDD Y	NEW MEXICO	NEW MEXICO	S	STATE	-4264	7971	7887	Y
PPP Leg #1-2	1980	FSL	0	FWL	18S	30E	1	Aliquot NWSW	32.7746203	-103.9340308	EDD Y	NEW MEXICO	NEW MEXICO	F	NMNM121954	-4453	10572	8076	Y

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NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MEWBOURNE OIL
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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?
PPP Leg #1-3	1980	FSL	1320	FWL	18S	30E	1	Aliquot NESW	32.7746195	-103.9297394	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC0047633B	-4454	11891	8077	Y
EXIT Leg #1	1980	FSL	100	FEL	18S	30E	1	Aliquot NESE	32.7746164	-103.9171839	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC0047633B	-4458	15750	8081	Y
BHL Leg #1	2160	FNL	100	FEL	18S	30E	1	Aliquot NESE	32.7777471	-103.9171832	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC0047633B	-4458	15750	8081	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1385360	UNKNOWN	3650	27	27		NONE	N
1385367	RUSTLER	3220	430	430	ANHYDRITE, DOLOMITE	USEABLE WATER	N
1385368	TOP SALT	3020	630	630	SALT	NONE	N
1385361	BASE OF SALT	2140	1510	1510	SALT	NONE	N
1385362	YATES	1938	1685	1685	SANDSTONE	NATURAL GAS, OIL	N
1385363	SEVEN RIVERS	1608	2042	2042	DOLOMITE	NATURAL GAS, OIL	N
1385364	QUEEN	1000	2650	2650	DOLOMITE, SANDSTONE	NATURAL GAS, OIL	N
1385358	GRAYBURG	622	3028	3028		NATURAL GAS, OIL	N
1385369	SAN ANDRES	160	3490	3490	DOLOMITE	NATURAL GAS, OIL	N
1385359	BONE SPRING	-1280	4930	4930	LIMESTONE, SHALE	NATURAL GAS, OIL	N
1385365	BONE SPRING 1ST	-3338	6988	6988	SANDSTONE	NATURAL GAS, OIL	N
1385366	BONE SPRING 2ND	-3885	7535	7535	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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Allottee or Tribe Name:

Lease Number: NMNM121954

Unit or CA Name:

Unit or CA Number:

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Well Status: Approved Application for
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Pressure Rating (PSI): 3M Rating Depth: 15750

Equipment: Annular, Pipe Ram, Blind Ram

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. Anchors are not required by the manufacturer. A multibowl 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. See attached schematics.

Choke Diagram Attachment:

- Loco_Hills_2_1_B2JI_Fed_Com_1H_Flex_Line_Specs_20190131154707.pdf
- Loco_Hills_2_1_B2JI_Fed_Com_1H_3M_BOPE_Choke_Diagram_20190131154705.pdf

BOP Diagram Attachment:

- Loco_Hills_2_1_B2JI_Fed_Com_1H_3M_BOPE_Schematic_20190131154720.pdf
- Loco_Hills_2_1_B2JI_Fed_Com_1H_Multi_Bowl_WH_20190131154721.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	500	0	500			500	H-40	48	ST&C	3.37	7.56	DRY	13.42	DRY
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	3775	0	3775			3775	J-55	36	LT&C	1.13	1.96	DRY	3.3	DRY
3	PRODUCTION	8.75	7.0	NEW	API	N	0	8408	0	8074			8408	P-110	26	LT&C	1.56	2.49	DRY	2.92	DRY
4	LINER	6.125	4.5	NEW	API	N	7660	15750	7597	8081			8090	P-110	13.5	LT&C	2.31	2.68	DRY	3.09	DRY

Casing Attachments

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Casing Attachments

Casing ID: 1String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Loco_Hills_2_1_B2JI_Fed_Com_1H_Csg_Assumptions_20190131154824.pdf

Casing ID: 2String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Loco_Hills_2_1_B2JI_Fed_Com_1H_Intermediate_Tapered_String_Diagram_20190131154844.pdf

Casing Design Assumptions and Worksheet(s):

Loco_Hills_2_1_B2JI_Fed_Com_1H_Csg_Assumptions_20190131154902.pdf

Casing ID: 3String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Loco_Hills_2_1_B2JI_Fed_Com_1H_Csg_Assumptions_20190131155029.pdf

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Type of Well: OIL WELL

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NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MEWBOURNE OIL
COMPANY

Casing Attachments

Casing ID: 4String Type:LINER

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Loco_Hills_2_1_B2JI_Fed_Com_1H_Csg_Assumptions_20190131155045.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	307	205	2.12	12.5	435	100	Class C	Salt, Gel, Extender, LCM
SURFACE	Tail		307	500	200	1.34	14.8	268	100	Class C	Retarder
INTERMEDIATE	Lead		0	3108	595	2.12	12.5	1261	25	Class C	Salt, Gel, Extender, LCM
INTERMEDIATE	Tail		3108	3775	200	1.34	14.8	268	25	Class C	Retarder
PRODUCTION	Lead		3575	5689	210	2.12	12.5	445	25	Class C	Gel, Retarder, Defoamer, Extender
PRODUCTION	Tail		5689	8408	400	1.18	15.6	472	25	Class H	Retarder, Fluid Loss, Defoamer
LINER	Lead		7660	15750	325	2.97	11.2	965	25	Class C	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	500	SPUD MUD	8.6	8.8							
500	3775	SALT SATURATED	10	10							
3775	8074	WATER-BASED MUD	8.6	9.5							
8074	8081	OIL-BASED MUD	8.6	11							

Section 6 - Test, Logging, Coring

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

Will run GR/CNL from KOP (7660') 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

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Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4622 Anticipated Surface Pressure: 2844.18

Anticipated Bottom Hole Temperature(F): 140

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:

Loco_Hills_2_1_B2JI_Fed_Com_1H_H2S_Plan_20190131155445.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Loco_Hills_2_1_B2JI_Fed_Com_1H_Dir_Plan_20190131155513.pdf

Loco_Hills_2_1_B2JI_Fed_Com_1H_Dir_Plot_20190131155514.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Loco_Hills_2_1_B2JI_Fed_Com_1H_Drlg_Program_20190131155533.pdf

Loco_Hills_2_1_B2JI_Fed_Com_1H_C101_20190131155532.pdf

Other Variance attachment:

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

LocoHills2_1B2JIFedCom1H_existingroadmap_20190131152557.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? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

LocoHills2_1B2JIFedCom1H_existingwellmap_20190131152615.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Attached - proposed reroute of an electric line.

Production Facilities map:

LocoHills2_1B2JIFedCom1H_productionfacilitymap_20190131152631.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: 32.464607		Source longitude: -103.53552
Source datum: NAD83		
Water source permit type:	WATER WELL	
Water source transport method:	TRUCKING	

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Source land ownership: PRIVATE

Source transportation land ownership: FEDERAL

Water source volume (barrels): 1940

Source volume (acre-feet): 0.2500526

Source volume (gal): 81480

Water source type: IRRIGATION

Water source use type:

SURFACE CASING

STIMULATION

DUST CONTROL

CAMP USE

INTERMEDIATE/PRODUCTION
CASING

Source latitude: 32.464592

Source longitude: -103.53552

Source datum: NAD83

Water source permit type:

WATER WELL

Water source transport method:

TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 1940

Source volume (acre-feet): 0.2500526

Source volume (gal): 81480

Water source and transportation map:

LocoHills2_1B2JIFedCom1H_watersourceandtransmap_20190131152647.pdf

Water source comments:

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.):

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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:

LocoHills2_1B2JIFedCom1H_calichesourceandtransmap_20190131152700.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

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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 Disposal location ownership: PRIVATE
FACILITY

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

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:

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Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

LocoHills2_1B2JIFedCom1H_wellsitelayout_20190131152717.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance
Multiple Well Pad Name:
Multiple Well Pad Number:

Recontouring attachment:

Drainage/Erosion control construction: None
Drainage/Erosion control reclamation: None

Well pad proposed disturbance (acres): 4.22	Well pad interim reclamation (acres): 0.55	Well pad long term disturbance (acres): 3.67
Road proposed disturbance (acres): 0.53	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: 4.75	Total interim reclamation: 0.55	Total long term disturbance: 3.67

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:

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

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	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

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:

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
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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: NEW ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: ARTESIA NM

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: ARTESIA NM

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: ARTESIA NM

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? NO

Use APD as ROW?

ROW Type(s):

ROW Applications

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Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

SUPO Additional Information:

Use a previously conducted onsite? YES

Previous Onsite information: JAN 31 2019 Met w/RRC Surveying & Boone Archeology & re-staked location due to arch site. Re-staked @ 2140' FNL & 2475' FEL, Sec 2, T18S, R30E, Eddy Co., NM. (Elevation @ 3624'). Pad is 400' x 460'. Topsoil stockpiled 30' wide on S side. Reclaim 60' on S. Archeology has been approved. Will need to move Cedar Breaks 2 State #2 electric line. Lat.: 32.7778275, Long.: -103.9420837 (NAD83).

Other SUPO Attachment

LocoHills2_1B2JIFedCom1H_gascaptureplan_20190131152751.pdf
LocoHills2_1B2JIFedCom1H_interimreclamationdiagram_20190131152744.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:

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:

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

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:

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:

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Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

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

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

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Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

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:
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:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

Well Name: LOCO HILLS 2/1 B2GH FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7798682 / -103.941685	County or Parish/State: EDDY / NM
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Lease Number: NMNM121954	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546116	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Oral Submission

Oral Notification Date:	Dec 15, 2020	Oral Notification Time:	12:00 AM
Contacted By:	Bradley Bishop	Contact's Email:	bbishop@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: 01/27/2021
Signature: Cody Layton	

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

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


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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46116		² Pool Code 39513		³ Pool Name LOCO HILLS EAST BONE SPRING					
⁴ Property Code		⁵ Property Name LOCO HILLS 2/1 B2GH FED COM						⁶ Well Number 2H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3633'	
¹⁰ Surface Location									
UL or lot no. G	Section 2	Township 18S	Range 30E	Lot Idn	Feet from the 1398	North/South line NORTH	Feet From the 2353	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. H	Section 1	Township 18S	Range 30E	Lot Idn	Feet from the 2160	North/South line NORTH	Feet from the 100	East/West line EAST	County EDDY
¹² Dedicated Acres 240		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

¹⁶ CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 643770.9 - E: 658794.1 B: FOUND BRASS CAP "1916" N: 646409.3 - E: 658785.5 C: FOUND BRASS CAP "1916" N: 649060.9 - E: 658777.2 D: FOUND BRASS CAP "1916" N: 649074.2 - E: 664053.7 E: FOUND BRASS CAP "1916" N: 649081.5 - E: 666692.9 F: FOUND BRASS CAP "1916" N: 649087.7 - E: 669332.1 G: FOUND BRASS CAP "1916" N: 646447.1 - E: 669340.2 H: FOUND BRASS CAP "1916" N: 643809.7 - E: 669349.4 I: FOUND BRASS CAP "1916" N: 643799.4 - E: 666710.1 J: FOUND BRASS CAP "1916" N: 643788.5 - E: 664071.1 K: FOUND BRASS CAP "1916" N: 643780.8 - E: 661430.5 L: FOUND BRASS CAP "1916" N: 646426.4 - E: 664062.2		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>Bradley Bishop</u> Date <u>12/15/20</u> Printed Name BRADLEY BISHOP E-mail Address <u>BBISHOP@MEWBOURNE.COM</u>
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey <u>11-16-2020</u> Signature and Seal of Professional Surveyor  Certificate Number <u>19680</u>		

Job No: LS20110689

District I

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

COMMENTS

Action 19488

COMMENTS

Operator:				OGRID:		Action Number:		Action Type:	
	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241		14744		19488		C-103A

Created By	Comment	Comment Date
jagarcia	New property code is 325691	03/11/2021
kpickford	KP GEO Review 3/05/2021	03/05/2021

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

CONDITIONS

Action 19488

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	19488	Action Type:	C-103A
OCD Reviewer	Condition								
kpickford	Adhere to previous NMOCD Conditions of Approval								