

Well Name: LOCO HILLS 2/3 B2CD FED COM	Well Location: T18S / R30E / SEC 2 / SWNE / 32.7826386 / -103.9680471	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0001159, NMNM01159	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546020	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Casing
Date Sundry Submitted: 02/08/2021	Time Sundry Submitted: 09:42
Date proposed operation will begin: 02/08/2021	
Procedure Description: The setting depth of the intermediate casing string (9 5/8") needs to be changed from the current (3775' MD) to 1800' MD. TOC for production casing (7") will change to 1600' MD as well.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Loco_Hills_2_3_B2CD_Fed_Com_1H_Changes_20210122151406_20210208094206.docx

Conditions of Approval

Specialist Review

LOCO_HILLS_2_3_B2CD_FED_COM_1H_Sundry_Drilling_COA_OTA_20210208141306.pdf

Well Number: 1H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0001159,
NMNM01159

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001546020

Well Status: Approved Application for
Permit to Drill

Operator: MEWBOURNE OIL
COMPANY

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 08, 2021 09:42 AM

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:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: AJIBOLA OLABODE

BLM POC Title: Engineer

BLM POC Phone: 5752342231

BLM POC Email Address: OAJIBOLAEIT@BLM.GOV

Disposition: Approved

Disposition Date: 02/08/2021

Signature: Olabode Thomas Ajibola

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

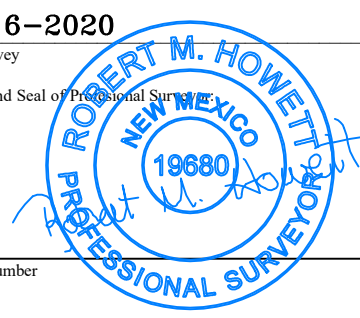
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

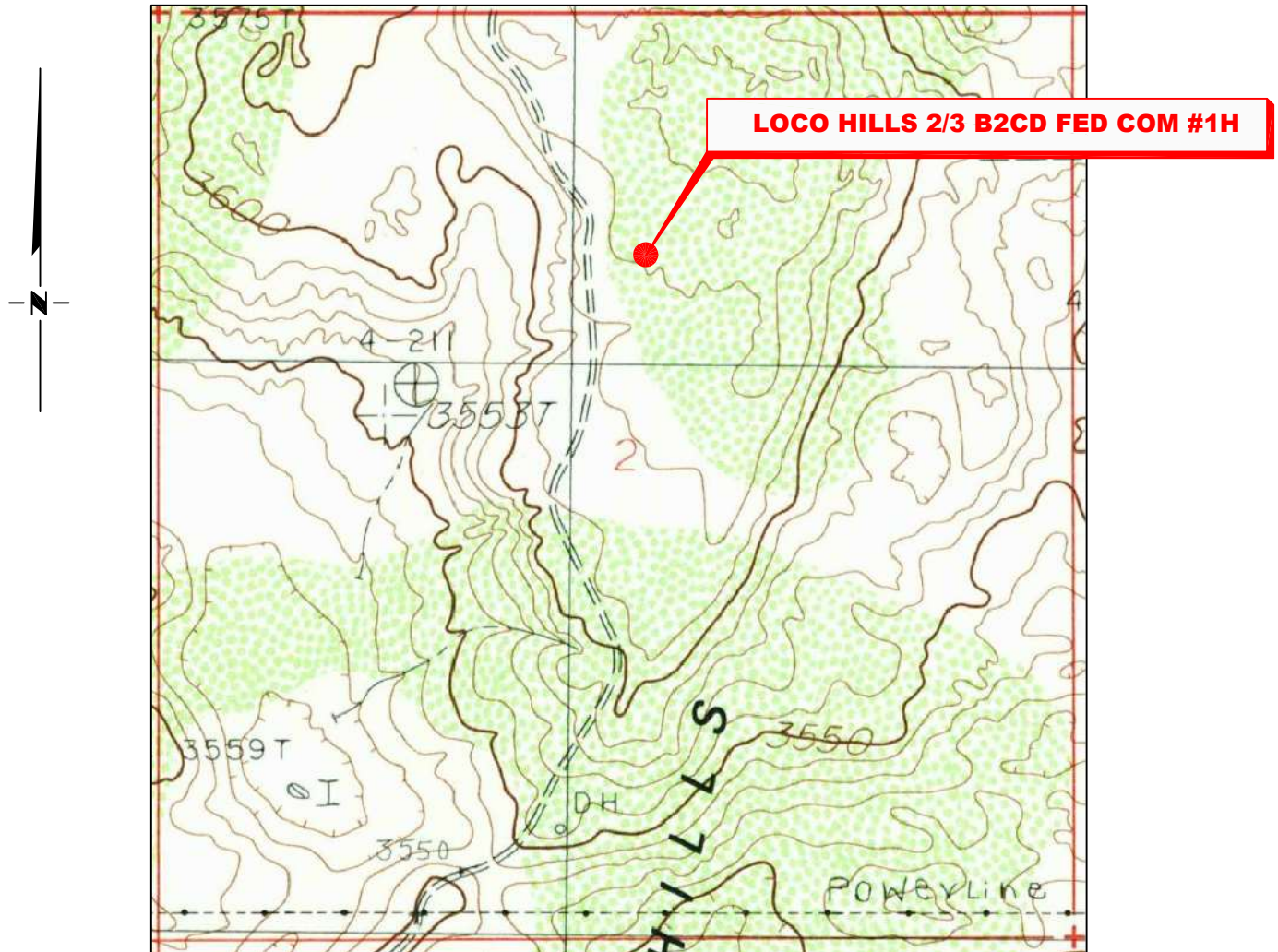
¹ API Number 30-015-46020		² Pool Code 62685		³ Pool Name WALTONS LAKE BONE SPRING					
⁴ Property Code		⁵ Property Name LOCO HILLS 2/3 B2CD FED COM						⁶ Well Number 1H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3637'	
¹⁰ Surface Location									
UL or lot no. G	Section 2	Township 18S	Range 30E	Lot Idn	Feet from the 1360	North/South line NORTH	Feet From the 2400	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. 4	Section 3	Township 18S	Range 30E	Lot Idn	Feet from the 400	North/South line NORTH	Feet from the 100	East/West line WEST	County EDDY
¹² Dedicated Acres 242.50		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 <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 643759.8 - E: 653515.9 B: FOUND BRASS CAP "1916" N: 646397.6 - E: 653507.4 C: FOUND BRASS CAP "1916" N: 649049.6 - E: 653498.5 D: FOUND BRASS CAP "1916" N: 649060.9 - E: 658777.2 E: FOUND BRASS CAP "1916" N: 649074.2 - E: 664053.7				F: FOUND BRASS CAP "1916" N: 646426.4 - E: 664062.2 G: FOUND BRASS CAP "1916" N: 643788.5 - E: 664071.1 H: FOUND BRASS CAP "1916" N: 643780.8 - E: 661430.5 I: FOUND BRASS CAP "1916" N: 643770.9 - E: 658794.1 J: FOUND BRASS CAP "1916" N: 643765.2 - E: 656154.0 K: FOUND BRASS CAP "1916" N: 646409.3 - E: 658785.5				¹⁷ OPERATOR CERTIFICATION <i>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.</i> <u>Bradley Bishop</u> 12/15/20 Signature Date BRADLEY BISHOP Printed Name BBISHOP@MEWBOURNE.COM E-mail Address							
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 11-16-2020 Date of Survey Signature and Seal of Professional Surveyor:								19680 Certificate Number							
¹⁹ GEODETIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE LAT: 32.7826386° N LONG: 103.9680471° W								²⁰ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION LAT: 32.7799720° N LONG: 103.9418366° W							
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LOCATION VERIFICATION MAP

NOT TO SCALE



*SECTION 2, TWP. 18 SOUTH, RGE. 30 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO*

OPERATOR: Mewbourne Oil Company
 LEASE: Loco Hills 2/3 B2CD Fed Com
 WELL NO.: 1H
 ELEVATION: 3637'

LOCATION: 1360' FNL & 2400' FEL
 CONTOUR INTERVAL: 10'
 USGS TOPO. SOURCE MAP:
Loco Hills, NM (P. E. 1985)

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NO.	REVISION	DATE
JOB NO.: LS20110690		
DWG. NO.: 20110690-2		

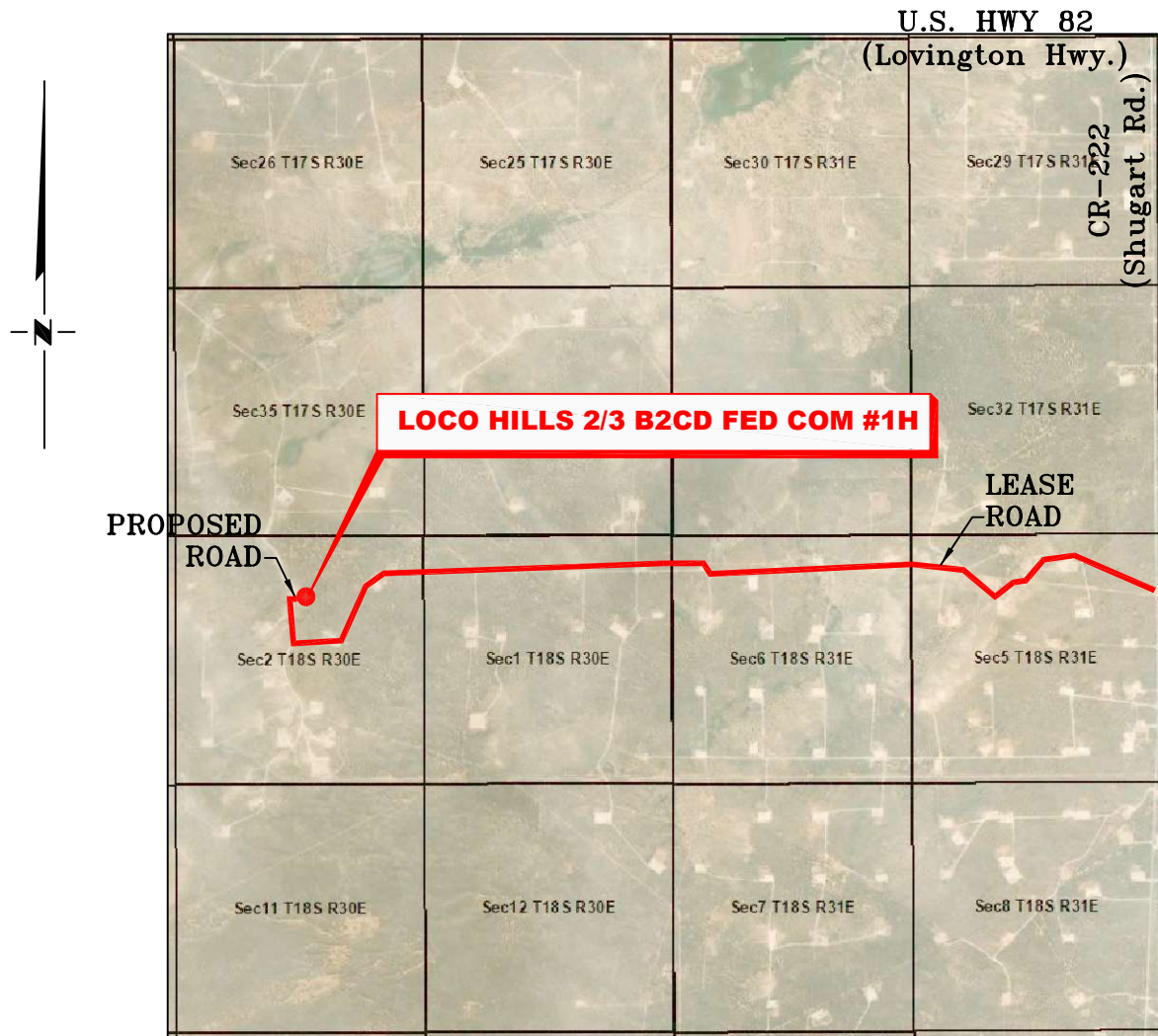


701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 11-16-2020
SURVEYED BY: ML/JC
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

VICINITY MAP

NOT TO SCALE



*SECTION 2, TWP. 18 SOUTH, RGE. 30 EAST,
N. M. P. M., EDDY CO., NEW MEXICO*

OPERATOR: Mewbourne Oil Company
LEASE: Loco Hills 2/3 B2CD Fed Com
WELL NO.: 1H

LOCATION: 1360' FNL & 2400' FEL
ELEVATION: 3637'

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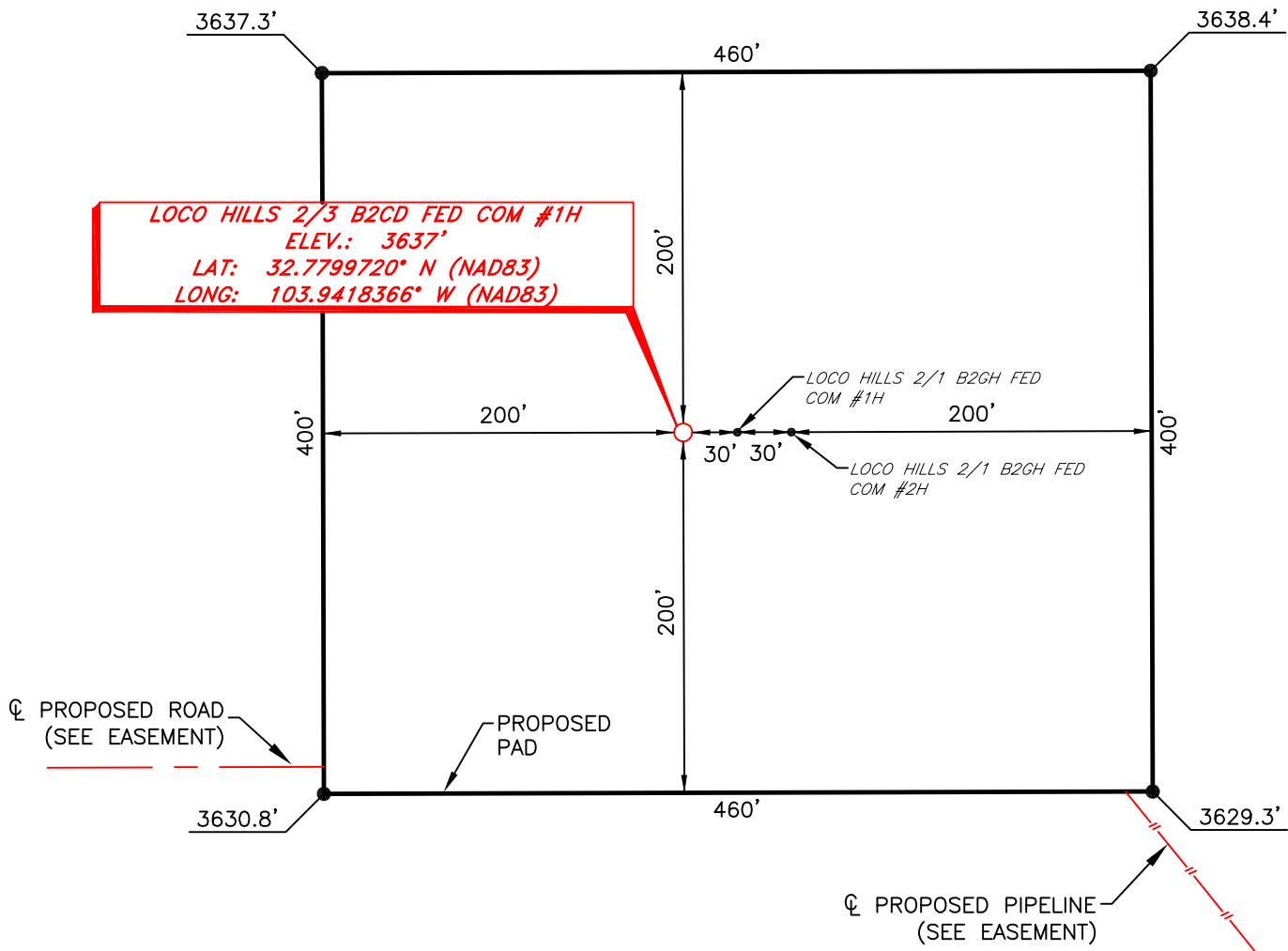
NO.	REVISION	DATE
JOB NO.: LS20110690		
DWG. NO.: 20110690-3		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

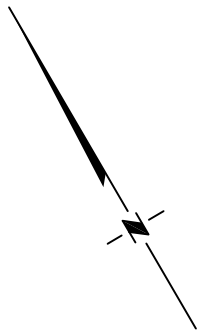
SCALE: N. T. S.
DATE: 11-16-2020
SURVEYED BY: ML/JC
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
LOCO HILLS 2/3 B2CD FED COM #1H
(1360' FNL & 2400' FEL)
SECTION 2, T18S, R30E
N. M. P. M., EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of U.S. Hwy 82 (Lovington Hwy.) and CR #222 (Shugart Rd.);
Go South on CR #222 approx. 2.4 miles to a lease road on the right;
Turn right and go West approx. 0.9 miles to a "Y";
Stay left and continue West approx. 2.9 miles to a lease road on the right;
Turn right and go North approx. 0.1 miles to a proposed road on the right;
Turn right and go Southeast approx. 250 feet to location on the left.



SCALE: 1" = 100'
0 50 100
BEARINGS ARE
NAD 83 GRID - NM EAST
DISTANCES ARE GROUND

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



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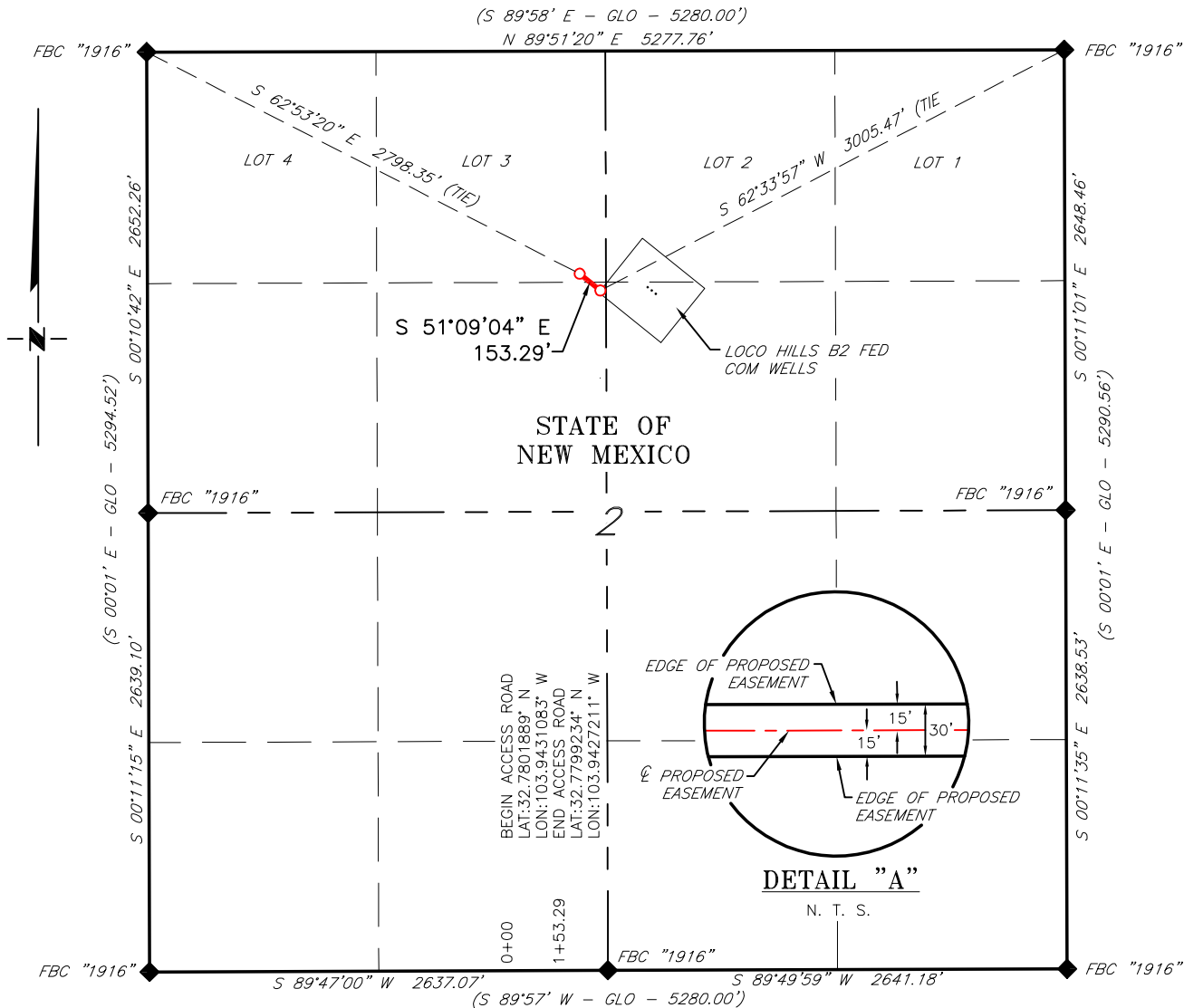
NO.	REVISION	DATE
JOB NO.: LS20110690		
DWG. NO.: 20110690-4		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 11-16-2020
SURVEYED BY: ML/JC
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
PROPOSED ACCESS ROAD FOR THE LOCO HILLS B2 FED COM
WELL LOCATIONS NORTH PAD
SECTION 2, T18S, R30E,
N. M. P. M., EDDY CO., NEW MEXICO



DESCRIPTION

A strip of land 30 feet wide, being 153.29 feet or 9.290 rods in length, lying in Section 2, Township 18 South, Range 30 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across State of New Mexico land:

BEGINNING at Engr. Sta. 0+00, a point in Lot 3, Section 2, which bears, S 62°53'20" E, 2,798.35 feet, from a brass cap, stamped "1916", found for the Northwest corner of Section 2;

Thence S 51°09'04" E, 153.29 feet, to Engr. Sta. 1+53.29, the End of Survey, a point in the Northwest quarter of Section 2, which bears, S 62°33'57" W, 3,005.47 feet, from a brass cap, stamped "1916", found for the Northeast corner of Section 2.

Said strip of land contains 0.106 acres, more or less, and is allocated by forties as follows:

	Lot 3	4.710 Rods	0.054 Acres
SE 1/4 NW 1/4		4.580 Rods	0.052 Acres

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
() RECORD DATA - GLO
◆ FOUND MONUMENT
AS NOTED
— PROPOSED ACCESS ROAD

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



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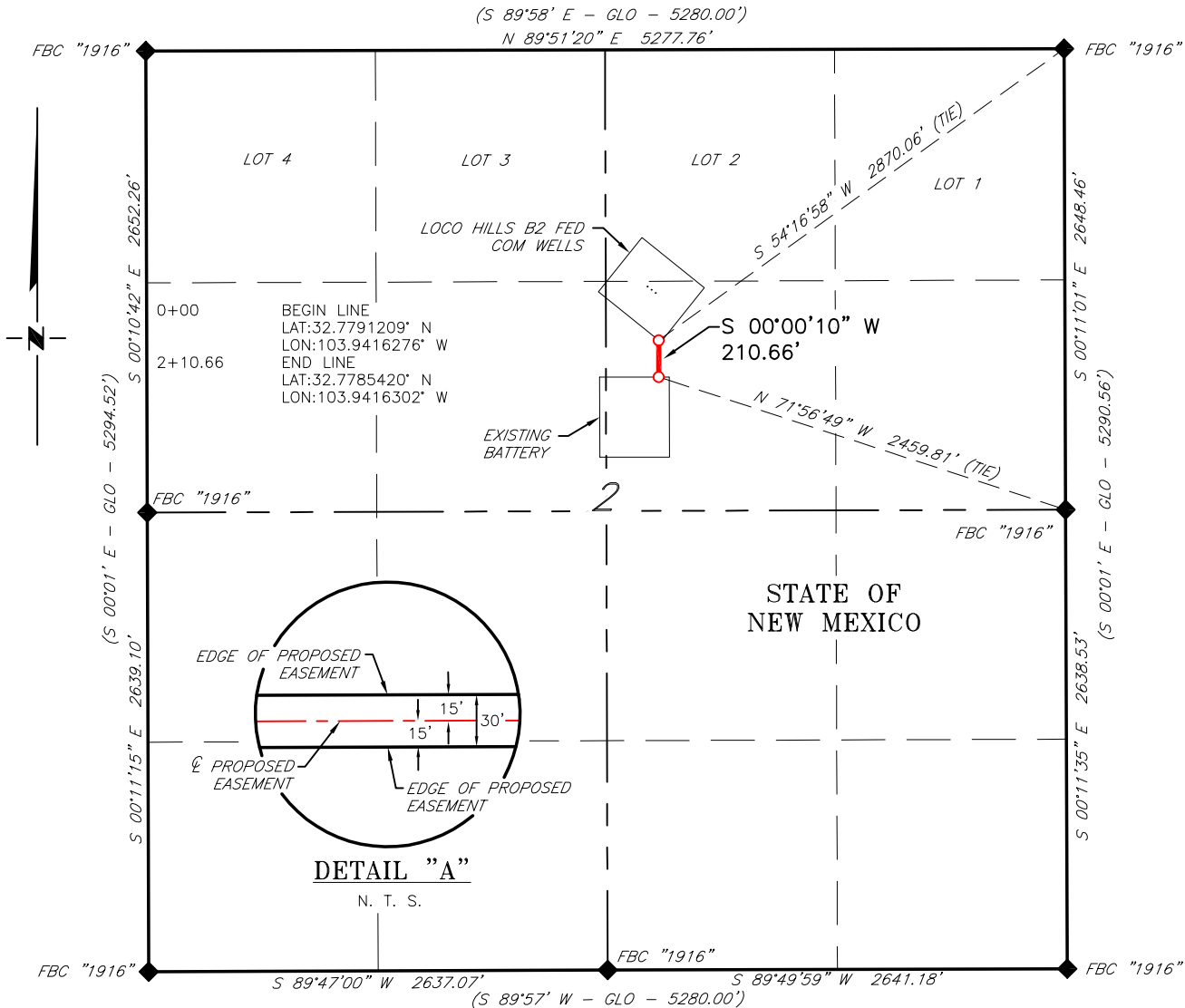
NO.	REVISION	DATE
JOB NO.:	LS20110688	
DWG. NO.:	20110688-5	



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 11-19-2020
SURVEYED BY: JF/JH
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

MEWBOURNE OIL COMPANY
PROPOSED FLOWLINE FROM THE LOCO HILLS B2 FED COM WELL
LOCATIONS NORTH PAD TO AN EXISTING BATTERY
SECTION 2, T18S, R30E,
N. M. P. M., EDDY CO., NEW MEXICO



DESCRIPTION

A strip of land 30 feet wide, being 210.66 feet or 12.767 rods in length, lying in Section 2, Township 18 South, Range 30 East, N. M. P. M., Eddy County, New Mexico, being 15 feet left and 15 feet right of the following described survey of a centerline across State of New Mexico land:

BEGINNING at Engr. Sta. 0+00, a point in the Northeast quarter of Section 2, which bears, S 54°16'58" W, 2,870.06 feet, from a brass cap, stamped "1916", found for the Northeast corner of Section 2;

Thence S 00°00'10" W, 210.66 feet, to Engr. Sta. 2+10.66, the End of Survey, a point in the Northeast quarter of Section 2, which bears, N 71°56'49" W, 2,459.81 feet, from a brass cap, stamped "1916", found for the East quarter corner of Section 2.

Said strip of land contains 0.145 acres, more or less, and is allocated by forties as follows:

SW 1/4 NE 1/4 12.767 Rods 0.145 Acres

SCALE: 1" = 1000'

0 500' 1000'

BEARINGS ARE GRID NAD 83
NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND

() RECORD DATA - GLO

FOUND MONUMENT
AS NOTED

PROPOSED FLOWLINE

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this plat from an actual survey made on the ground under my direct supervision, said survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

Robert M. Howett
Robert M. Howett NM PS 19680



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NO.	REVISION	DATE
JOB NO.:	LS20110688	
DWG. NO.:	20110688-6	



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1000'
DATE: 11-19-2020
SURVEYED BY: JF/JH
DRAWN BY: LPS
APPROVED BY: RMH
SHEET: 1 OF 1

2. 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'	500'	13.375"	48	H40	STC	3.37	7.56	13.42	22.54
12.25"	0'	1800'	9.625"	36	J55	LTC	2.16	3.76	6.99	8.7
8.75"	0'	8211'	7"	26	P110	LTC	1.89	2.57	3.89	2.97
6.125"	7441'	15544'	4.5"	13.5	P110	LTC	2.59	3.01	3.09	3.86
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 rd 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 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(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?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	205	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.	210	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.	365	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	330	11.2	2.97	18	16	Class C + 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	1600'	25%
Liner	7454'	25%

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM0001159
WELL NAME & NO.:	LOCO HILLS 2-3 B2CD FED COM 1H
SURFACE HOLE FOOTAGE:	1360'/N & 2400'/E
BOTTOM HOLE FOOTAGE:	400'/N & 100'/E
LOCATION:	Section 02, T.18 S., R.30 E., NMP
COUNTY:	EDDY County, New Mexico

COA

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

All Previous COAs Still Apply.

A. CASING

Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **500 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 **1800** 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. **Excess cement calculates to 20%, additional cement might be required.**
3. The minimum required fill of cement behind the **7** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
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. 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 **3000 (3M)** 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.

OTA02082021

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 17477

COMMENTS

Operator:	MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM88241			OGRID:	14744	Action Number:	17477	Action Type:	C-103A
Created By	Comment			Comment Date					
jagarcia	Accepted for record			02/26/2021					

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CONDITIONS

Action 17477

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	17477	Action Type:	C-103A
OCD Reviewer									Condition
jagarcia									None