

Well Name: OZZY FEDERAL COM 18C	Well Location: T17S / R28E / SEC 13 / NESE /	County or Parish/State:
Well Number: 002H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14847	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548311	Well Status: Approved Application for Permit to Drill	Operator: LONGFELLOW ENERGY LP

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 08/05/2021	Time Sundry Submitted: 02:06
Date proposed operation will begin: 08/13/2021	

Procedure Description: Longfellow Energy, LP respectfully requests to add a casing string as noted in the engineering reviewer’s conditions of approval and therefore make changes to their casing/cementing/mud programs. Please see the attached documents for more details including a revised drill plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Ozzy18C_2H_sundry2.0_Attachment_20210805140510.pdf

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Conditions of Approval

Additional Reviews

131729_2627467_Ozzy_Federal_Com_18C_002H_Eddy__Sundry_Longfellow_Energy_13_22_08052021_NMK_20210820134942.pdf

Ozzy_Federal_Com_18C_002H_DrillingSundryCOA_2626947_20210820134935.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRIAN WOOD	Signed on: AUG 05, 2021 02:05 PM
Name: LONGFELLOW ENERGY LP	
Title: President	
Street Address: 37 VERANO LOOP	
City: SANTA FE	State: NM
Phone: (505) 466-8120	
Email address: AFMSS@PERMITSWEST.COM	

Field Representative

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

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 08/20/2021
Signature: Chris Walls	

Ozzy Federal Com 18C 002H – 30-015-48311

Casing Program:

From:

Surface: 9.625" O.D.; 0' – 1250' MD; 36#; J-55; LTC

Production 1: 7" O.D.; 0' – 3900' MD; 32#; L-80; BTC

Production 2: 5.5" O.D.; 3900' – 9548' MD; 20#; L-80; BTC

To:

Surface: 13.375" O.D.; 0' – 350' MD; 54.5#; J-55; LTC

Intermediate: 9.625" O.D.; 0' – 1250' MD; 36#; J-55; LTC

Production 1: 7" O.D.; 0' – 3900' MD; 32#; L-80; BTC

Production 2: 5.5" O.D.; 3900' – 9634' MD; 20#; L-80; BTC

Cementing Program:

From:

Surface – Lead: 400 sx; 1.65 yield; 660 cu. ft.; 12.8 ppg; 35/65 Poz C

Surface – Tail: 164 sx; 1.34 yield; 219 cu. ft.; 14.8 ppg; Class C

Production – Lead: 270 sx; 1.65 yield; 445 cu. ft.; 12.6 ppg; 35/65 Poz C

Production – Tail: 1620 sx; 1.33 yield; 2154 cu. ft.; 14.8 ppg; Class C

To:

Surface – Tail: 340 sx; 1.34 yield; 456 cu. ft.; 14.8 ppg; Class C

Intermediate – Lead: 326 sx; 1.78 yield; 580 cu. ft.; 13.5 ppg; Class C

Intermediate – Tail: 155 sx; 1.34 yield; 208 cu. ft.; 14.8 ppg; Class C

Production – Lead: 295 sx; 2.16 yield; 637 cu. ft.; 12.2 ppg; 25/75 Poz C

Production – Tail: 1630 sx; 1.34 yield; 2184 cu. ft.; 14.8 ppg; Class C

Mud Program:

From:

Surface: Fresh water/gel; 0' – 1250'

Production 1: Fresh water/cut brine; 1250' – 3900'

Production 2: Cut brine; 3900' – 9548'

To:

Surface: Fresh water/gel; 0' – 350'

Intermediate: Fresh water/gel; 350' – 1250'

Production: Fresh water/Cut brine; 1250' – 9634'

Please see attached drill plan for more details.

Longfellow Energy, LP
 Ozzy Federal Com 18C 002H
 SHL 1615' FSL & 765' FEL 13-17S-28E
 BHL 1893' FSL & 20' FEL 17-18S-29E
 Eddy County, NM

DRILL PLAN PAGE 1

"fee/fee/Fed"

"pad Ozzy 18C"

Drilling Program

1. ESTIMATED TOPS

Formation/Lithology	TVD	MD	Contents
Quaternary caliche	000'	000'	water
Salt top	357'	357'	N/A
Salt base	677'	678'	N/A
Yates dolomite	838'	840'	hydrocarbons
Seven Rivers gypsum	1115'	1119'	N/A
Queen sandstone	1634'	1641'	hydrocarbons
San Andres dolomite	2371'	2383'	hydrocarbons
Glorieta dolomite	3769'	3787'	hydrocarbons
Yeso Paddock dolomite	3834'	3852'	hydrocarbons
(KOP	3981'	3994'	hydrocarbons)
Yeso Blinebry dolomite	4151	4170'	hydrocarbons
TD	4550'	9634'	hydrocarbons

2. NOTABLE ZONES

Yeso Blinebry is the goal. Closest water well (RA 12307 POD 1) is 1.13 miles northwest. Depth to water was 58' in this 140' deep water well.

3. PRESSURE CONTROL

A 3000-psi BOP stack (rated to 5000') consisting of annular preventer and double (blind and pipe) ram will be used below surface casing to TD. BOP/BOPE will be tested by an independent service company to 250-psi low and 3000-psi high per Onshore Order 2 requirements. The system may be upgraded to a higher pressure, but still tested as described above. If the system is upgraded, then all the installed components will be functional and tested.

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DRILL PLAN PAGE 2

"fee/fee/Fed"

"pad Ozzy 18C"

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 BOPE will include a speed head, Kelly cock and floor safety valve (inside BOP), and choke lines and choke manifold. BOP and choke diagrams are attached.

Variance is requested to use a flex-hose. Test certificate for a typical hose is attached, Certificate for the hose in use will be available on the rig before drilling starts.

4. CASING & CEMENT

All casing will be API and new.

Hole O. D.	Set MD	Set TVD	Casing O. D.	Weight (lb/ft)	Grade	Joint	Collapse	Burst	Tension
17.5"	0'-350'	0'-350'	Surface 13.375"	54.5	J-55	LTC	1.125	1.125	1.8
12.25"	0' - 1250'	0' - 1247'	Surface 9.625"	36	J-55	LTC	1.125	1.125	1.8
8.75"	0' - 3900'	0' - 3888'	Prod. 1 7"	32	L-80	BTC	1.125	1.125	1.8
8.75"	3900' -9634'	3888' -4550'	Prod. 2 5.5"	20	L-80	BTC	1.125	1.125	1.8

Casing Name	Type	Sacks	Yield	Cu. Ft.	Weight	Blend
Surface	Tail	340	1.34	456	14.8	Class C
TOC = GL		100% Excess			Minimum 1 per joint starting with shoe	
Intermediate	Lead	326	1.78	580	13.5	Class C
	Tail	155	1.34	208	14.8	Class C
TOC = GL		Lead = 150% excess; Tail = 100% excess				As needed
Production	Lead	295	2.16	637	12.2	25/75 Poz C
	Tail	1630	1.34	2184	14.8	Class C
TOC = \leq 1050'		50% Excess			As needed	

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DRILL PLAN PAGE 3

"fee/fee/Fed"

"pad Ozzy 18C"

5. MUD PROGRAM

An electronic/mechanical mud monitor with a minimum pit volume totalizer, stroke counter, and flow sensor will be used. All necessary mud products (LCM) will be on site to handle any abnormal hole condition that may be encountered while drilling this well. A closed loop system will be used.

Type	Interval (MD)	lb/gal	Viscosity	Fluid Loss	pH
fresh water/gel	0' - 350'	8.4 - 9.0	28-40	NC	7.0 - 8.0
fresh water/gel	350' - 1250'	8.4 - 9.0	28-40	NC	7.0 - 8.0
fresh water/cut brine	1250' - 9634'	8.3 - 9.2	28-30	NC	9.0 - 10.5

6. CORES, TESTS, & LOGS

No core or drill stem test is planned.

A mud logger will be used from GL to TD. Samples will be collected every 10' in the lateral pay zone.

No electric logs are planned at this time.

7. DOWN HOLE CONDITIONS

No abnormal pressure or temperature is expected. Maximum expected bottom hole pressure is ≈ 1956 psi. Expected bottom hole temperature is $\approx 110^{\circ}$ F. A H₂S drilling operation plan is attached.

8. OTHER INFORMATION

Anticipated spud date is upon approval. It is expected it will take ≈ 2 months to drill and complete the well.

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 43630

COMMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 43630
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted for record	8/23/2021

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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	8/23/2021