

JDC Drilling Company, LLC

RIG NO. 7

Annular Preventer

13-5/8" 5,000 PSI WP

Ram Preventers

13-5/8" 10,000 PSI WP Double Ram

13-5/8" 10,000 PSI WP Single Ram

Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump.

Test the annular to 250 psi/2,500 psi with same as above.

HOBBS OCD
JAN 09 2019
RECEIVED



Smith Ranch SWD 2

Permit # --- API #

Revised: 10/4/2018

TVD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	Potential Mineral Bearing Formations
1,000'			26"	Surface: 20" 94.0# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 38 - 40 Viscosity 8 - 10 PV 8 - 10 YP NC - API Filtrate	Lead - Class C 12.2 ppg 1.86 cuft/sk TOC - Surf 1,620 sks Tail - Class C 14.8 ppg 1.35 cuft/sk TOC - 1,000' 895 sks	
2,000'			17-1/2"	Intermediate: 13-3/8" 54.5# L80HC BTC	Saturated Brine 10.0 - 10.2 ppg 28 - 29 Viscosity PV, YP - NA	Lead - Class C 12.7 ppg 2.25 cuft/sk TOC - Surf 1,485 Sks Tail - Class C 14.8 ppg 1.38 cuft/sk TOC 2,400' 655 Sks	
3,000'			12-1/4"	Intermediate 2: 9-5/8" 40.0# L80HC BTC	Cut Brine 8.9 - 9.2 ppg 29 - 30 Viscosity 1 - 3 PV 1 - 3 YP NC API Filtrate	Lead - Class H 12.7 ppg 2.25 cuft/sk TOC - Surf 1,575 Sks Tail - Class H 14.5 ppg 1.38 cuft/sk TOC - 8,000' 980 Sks	
4,000'							
5,000'	5,295 Delaware						
8,000'	8,030 Bone Spring		8-3/4"	Liner: 7-5/8" 39.0# P110 UFJ	Saturated Brine 10.0 - 12.0 ppg 35 - 45 Viscosity PV 10 - 15 YP 6 - 8	Tail - Class H 14.5 ppg 1.23 cuft/sk TOC - 10,630' 365 sks	
10,000'	10,880 Wolfcamp	Top of Liner @ 10,630'					
12,000'	12,080 Strawn 12,330 Atoka 12,830 Morrow 13,102 Barnett 13,452 Mississippian		6-1/8"	NA	Cut Brine 8.9 - 9.2 ppg 29 - 30 Viscosity	NA	
14,000'	14,352 Woodford 14,472 Devonian 15,572 Montoya 15,982 Simpson	14,472'					
16,000'		15,800'					

From: Bell, Ric [<mailto:Ric.Bell@mosaicco.com>]
Sent: Tuesday, November 6, 2018 10:48 AM
To: Kevin Burns <kburns@3bearllc.com>; jrutley@blm.gov
Cc: Douglas Swanson <tbarsllc@aol.com>; Morehouse, Dan <Dan.Morehouse@mosaicco.com>
Subject: 3 Bear Energy SWD Wells

Kevin,
Mosaic will not object to the #2 Smith Ranch SWD located 1297'FNL, 1154FEL, Sec 25, T19S, R33E. We will also not object to the #1 Smith Ranch SWD located 358'FNL, 2362FEL, Sec 35, T19S, R33E.
Cheers,
Ric



Ric Bell | Senior Geologist

The Mosaic Company | 1361 Potash Mines Road | Carlsbad, New Mexico, 88220
P: 575.628.6242 | C: 575.361.3854 | E: ric.bell@mosaicco.com |
W: www.mosaicco.com

From: Rutley, James [<mailto:jrutley@blm.gov>]
Sent: Tuesday, November 6, 2018 9:32 AM
To: Kevin Burns <kburns@3bearllc.com>
Cc: Bell, Ric - Carlsbad (Third Party) <ric.bell@mosaicco.com>; Douglas Swanson <tbarsllc@aol.com>; dan.morehouse@mosaicco.com
Subject: Re: [EXTERNAL] FW: 3 Bear Energy proposed SWD well 19-33 Sec 35

Good Morning Kevin,

I apologize for not getting back to you sooner. We're a little thin staffed in geology department with two employees going to other departments both in our office and the State Office. Covering a lot of ground till the positions are filled.

I have reviewed both Smith Ranch SWD locations in Sections 25 and 35 of 19S 33E. BLM has no concern with either location as staked. The Section 35 well is within the corridor for drilling being established to the east and west of this location. The Section 25 well is outside of R-111-P and development area is not required.

Thank you for running the locations by me.

Jim

James S. Rutley

SMITH RANCH SWD 2 and WELLS WITHIN 1 MILE



23

24

19

20

Lea

19S 33E

19S 34E

26

25

30

30025379920000
CIMAREX ENERGY OF CO
LAGUNA DEEP UNIT-12

30025365690000
GRUY PET MGMT CO
LAGUNA DEEP UNIT-8

30025408120000
CIMAREX ENERGY OF CO
LAGUNA DEEP UNIT-21

30025359710000
GRUY PET MGMT CO
PENNZOIL '36' STATE-2

30025359710001
CIMAREX ENERGY OF CO
PENNZOIL 36 STATE-2

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CIMAREX ENERGY OF CO
PENNZOIL 36 STATE C-2

30025277050000
UNION OIL CO OF CAL
SMITH-1

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UNION OIL CO OF CAL
SMITH-1

30025277050002
CIMAREX ENERGY OF CO
SMITH-1

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MALLON OIL CO
MESCALERO RIDGE '30-4

30025338130001
MALLON OIL CO
MESCALERO '30' FEDE-4

30025360400000
GRUY PET MGMT CO
MESCALERO '30' FEDE-2

30025360400001
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MESCALERO 30 FEDERA-2

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CIMAREX ENERGY OF CO
MESCALERO 30 FEDERA-2

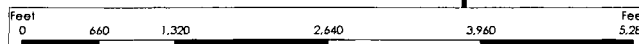
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CIMAREX ENERGY CO OF COLORADO
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CIMAREX ENERGY OF CO
SMITH-2

35

36

31



WELL SHL

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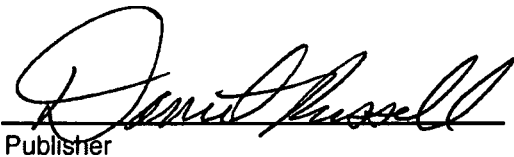
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- ◊ AT-TD
- ◊ DHSG
- ◆ DHSG
- ◆ DHSGO&G
- ◊ DRY
- ◊ GAS
- INJECTION
- JNK
- O&G
- PILOT
- ◊ PLUGGAS
- ◆ PLUGOIL
- ▲ SWD
- ◊ SPUD
- ◊ TEMP ABAND
- TREATD
- WI-EOR
- ◊ WTRSUP
- WELL PATH
- ★ SMITH RANCH SWD 2
- 1 MILE RADIUS
- 1/2 MILE RADIUS
- TOWNSHIP
- SECTION
- CEH LEASEHOLD

Affidavit of Publication

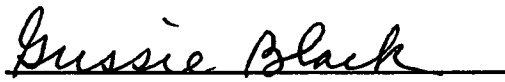
STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

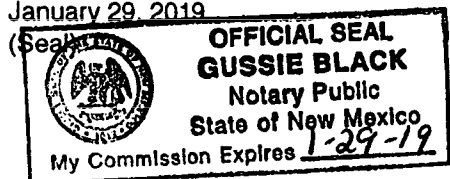
Beginning with the issue dated
August 03, 2018
and ending with the issue dated
August 03, 2018.


Publisher

Sworn and subscribed to before me this
3rd day of August 2018.


Business Manager

My commission expires
January 29, 2019



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE August 3, 2018

3Bear Field Services, LLC is applying to drill the Smith Ranch SWD 2 as a saltwater disposal well. Disposal will be in the Silurian and Devonian from 13,977' MD 15477' MD. The well will be located 29.1 miles northwest from Monument, NM @ 1297 FNL & 1154 FEL, Sec. 25, T. 19S, R. 33E, Lea County, NM. Maximum injection rate proposed is 25,000 bpd with an avg. injection rate of 20,000 bpd. Maximum injection pressure proposed is 2,340 psi. Interested parties must file objections or requests for hearing with the ENMRD-Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days.

Additional information can be obtained by contacting: Jennifer Elrod, Chisholm Energy Operating, 801 Cherry St., Suite 1200-Unit 20, Fort Worth, TX 76102; (817)953-3728; #33087

67115144

00216021

BETTIE WATSON
CHISHOLM ENERGY OPERATING, LLC
801 CHERRY ST. STE 1200-UNIT 20
FORT WORTH, TX 76102