

Initial Application Part I

Received 8/5/21

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

JJT5K-210805-C-1080



SWD

8/5/21

MEWBOURNE
OIL COMPANY

pBL2121757991

August 5, 2021

New Mexico Oil Conservation Division
Engineering Bureau
Attn: Mr. Phillip Goetze
1220 South St. Francis Dr.
Santa Fe, NM 87505

SWD-2450

Re: C-108 Application for SWD Well
Jett 36 Fee SWD #1
1160' FSL & 300' FWL, Unit M
Section 36, Township 23 South, Range 28 East
Eddy County, New Mexico

Dear Mr. Goetze:

Attached is a C-108 Application for administrative approval of Mewbourne Oil's proposed Jett 36 Fee SWD #1 that will be located in Sec 36 Twp 23S, Rge 28E, N.M.P.M., Eddy County, New Mexico. This well will be completed open hole in the Devonian formation and will be operated as a private salt water disposal well.

Similar application exhibits were sent to offset operators and offsetting lessees, and confirmations of receipt will be e-mailed to you later this week. The public notice of this application was published in the Carlsbad Current-Argus on July 17th and an Affidavit of Publication is enclosed.

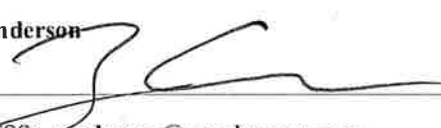
Should you have any questions, please contact us at (575) 393-5905.

Sincerely yours,

MEWBOURNE OIL COMPANY

Zane Anderson
Engineer
zanderson@mewbourne.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: **Mewbourne Oil Company**
ADDRESS: **4801 Business Park Blvd**
Hobbs, NM 88240
CONTACT PARTY: **Zane Anderson** PHONE: **575-393-5905**
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: **Zane Anderson** TITLE: **Engineer**
SIGNATURE:  DATE: 8/5/21
E-MAIL ADDRESS: **zanderson@mewbourne.com**
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: **Mewbourne Oil Company**WELL NAME & NUMBER: **Jett 36 Fee SWD #1**

WELL LOCATION:	1,160' FSL & 300' FWL	M	36	23S	28E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC (See Attached)**WELL CONSTRUCTION DATA**Surface CasingHole Size: **26"**Casing Size: **20" (94#) @ 500'**Cement with: **785 sx (100% excess)**Top of Cement: **Surface**Intermediate CasingHole Size: **17 1/2"**Casing Size: **13 3/8" (54.5 & 61#) @ 2,575'**Stage 1: **1250 sx (25% excess)**Top of Cement: **Surface (Calculated)**Production CasingHole Size: **12 1/4"**Casing Size: **9 5/8" (40#) @ 9,600'**Stage 1: **1465 sx (25% excess)**Top of Cement: **DV Tool @ 2,650'**Stage 2: **665 sx (25% excess)**Top of Cement: **Surface (Calculated)**Production LinerHole Size: **8 3/4"**Casing Size: **7 5/8" (33.7#)****Top @ 9,400'****Bottom @ 14,200'**Cement with: **330 sx (25% excess)**Top of Cement: **9,400'****(Proposed: circulated to liner top)****TD @ 15,125'**Permitted Injection Interval 14,200'-15,125'

INJECTION WELL DATA SHEET

Tubing Size: 7" x 5 ½" Lining Material: Duoline
7", P110 UFJ GB to approximately 9,300'
5 1/2", P110 UFJ GB to 14,120'

Type of Packer: 3 ½" x 7 5/8" Model R Packer (Inconel)

Packer Setting Depth: +/- 14,120'

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? Yes

If no, for what purpose was the well originally drilled? NA

2. Name of the Injection Formation: Devonian - Open Hole Completion

3. Name of Field or Pool (if applicable): 96101 SWD; Devonian

4. Has the well ever been perforated in any other zone(s)? No.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Overlying potentially productive zone tops – Delaware (2,650'), Bone Spring (6,350'), Wolfcamp (9,590'), & Morrow (12,430')

Underlying producing zone – N/A

Jett 36 Fee SWD #1

Additional Details

- VI. There are no wells penetrating the disposal formation within the area of review.
- VII. 1. Proposed average rate of 20,000 bwpd and maximum rate of 25,000 bwpd.
2. Non-commercial SWD (closed system).
3. Proposed average injection pressure is unknown and the maximum injection pressure is approximately 2,840 psi (0.2 psi/ft x 14,200 ft).
4. This well is being permitted as a private SWD, therefore all the injected fluid will be formation water from Mewbourne Oil Company operated wells currently producing or planned in the area. Representative water samples from the Wolfcamp and Bone Spring formations are attached.
5. We will be injecting into the Devonian formation. Devonian formation water is known to be compatible with the formation water of the Bone Spring and Wolfcamp. No Devonian water analysis are available within the immediate area. The following data is the closest produced water analysis that is available on the USGS

IDUSGS	IDORIG	IDDB	SOURCE	LATITUDE	LONGITUDE	API	COUNTY	FIELD	WELLNAME	TOWNRANGE	
35292	30000310	USGSBREIT	Pan American Petroleum Corporation	32.183	-103.7766	30015108590000	Eddy	Poker Lake South	Poker Lake Unit #36	S 24 E 31 28	
DATESAMPLE	METHOD	FORMATION	DEPTHUPPER	DEPTHLOWER	SG	SPGRAV	RESIS	RESIST	PH	TDSUSGS	TDS
1967-04-06	Separator	Devonian	16578	16660	1.086	1.086	0.067	77	6.6	120326	120326

- VIII. 1. The proposed injection interval is within the Devonian formation which is a porous dolomitic limestone from 14,200' to 15,125'. It is estimated that the base of the injection interval should be approximately 1,030' above the top of the Ellenburger.

Other Projected Formation Tops:

Mississippian	13,775'
Woodford	14,050'
Devonian	14,175'
EST TOTAL DEPTH	15,125'
Montoya	15,150'
Simpson	15,500'
Ellenburger	16,200'

2. The underground fresh water aquifers (unnamed) are present at shallow depths (per review of well records, within 2 miles of the proposed SWD, on the NM Office of the State Engineers website) with the deepest water being encountered at a depth of 140', the shallowest water at a depth of 10' and the average water depth at 41'. There are no known fresh water intervals underlying the injecting formation.
- IX. The proposed stimulation is an open-hole acid treatment of 30,000 gallons of 15% HCL.

- X.** A gamma-ray / neutron log will be run from TD to surface upon the drilling and completion of proposed well.
- XI.** There were 45 wells on record with the NM State Engineers Office within 2 miles of the proposed SWD. Mewbourne Oil Company attempted to find and or make contact with the owners of these wells in order to obtain samples; however, MOC was unable to find an owner of a well that was still functional or in use.
- XII.** Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting between the proposed disposal zone and any underground sources of drinking water. A signed affidavit is attached.
- XIII.** See attached Proof of Notice

Mewbourne Oil Company

Well Name: Jett 36 Fee SWD #1
Spud: 2021

20" 94# J-55 BTC
Set @ 500'
Cmt w/ 785 sx

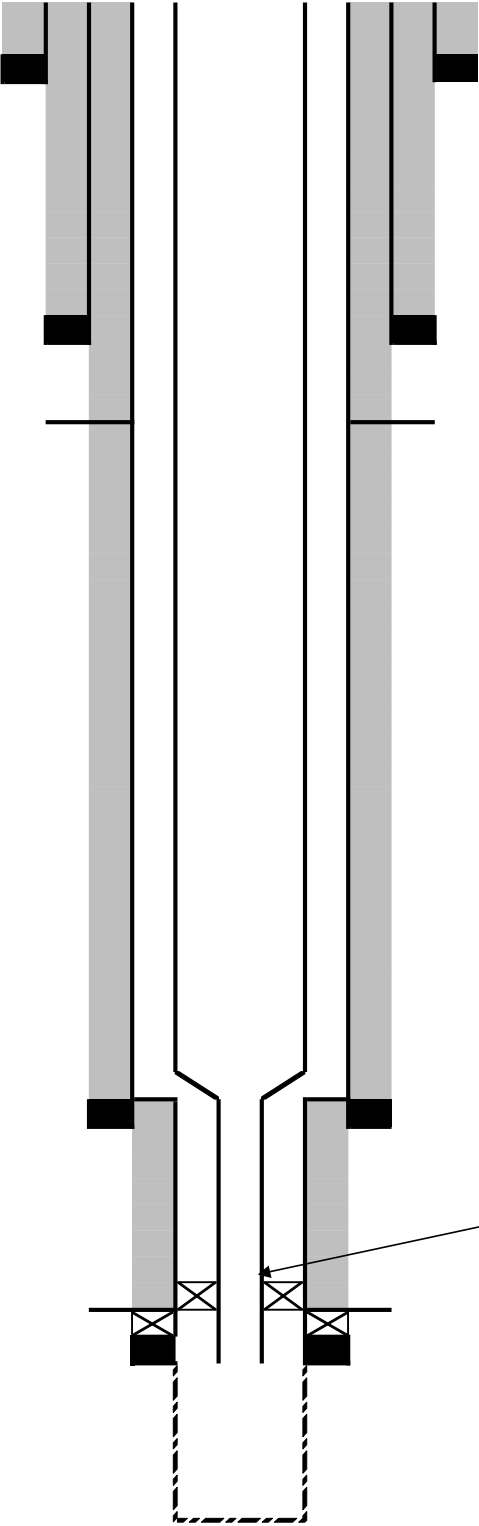
13 3/8" 54.5 & 61# J55 & HCL80 STC
Set @ 2575'
Cmt w/ 1250 sx

ECP/DV Tool @ 2650'
Cmt 2nd stg w/ 665 sx

9 5/8" 40# & 43.5 HCL80 LTC
Set @ 9600'
Cmt 1st stg w/ 1465 sx

7 5/8" 33.7# P-110 UFJ Liner
Set from 9400'-14,200'
Cmt w/ 330 sx

6 1/8" Open Hole
TD @ 15,125'



Injection String
7" P110 UFJ GB & 5 1/2" P110 UFJ GB
Nickel-Plated Pkr Set @ 14,120'

DV Tool @ 14,130'
External Csg Pkr Set @ 14,170'

INJECTION ZONE: DEVONIAN
14200' - 15125'

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		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name JETT 36 FEE SWD			6 Well Number 1
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3000'

10 Surface Location

UL or lot no. M	Section 36	Township 23S	Range 28E	Lot Idn	Feet from the 1160	North/South line SOUTH	Feet From the 300	East/West line WEST	County EDDY
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11 Bottom Hole Location If Different From Surface

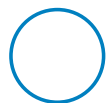
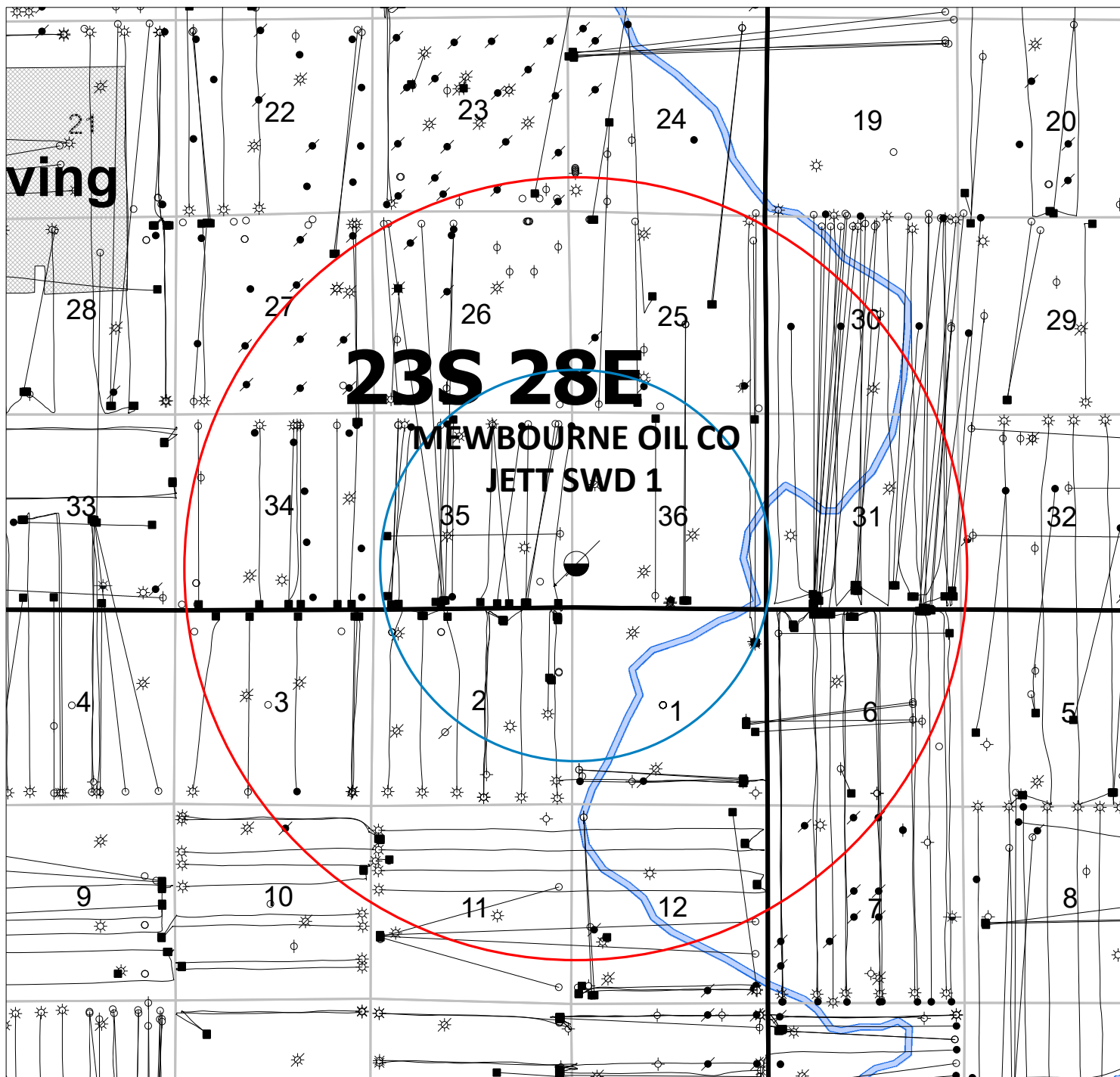
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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.

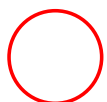
S 89°32'27" W 5244.60'

16 (B) N 00°34'04" E 5315.76' 300' S.L. 1160' (A)	S 89°32'27" W 5244.60' GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 457517.9 - E 629396.9 LAT: 32.2574706° N LONG: 104.0484612° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1942" N 456356.5 - E 629085.5 B: FOUND 1/2" REBAR N 461670.8 - E 629138.2 C: CALCULATED CORNER N 461712.9 - E 634381.4 D: FOUND BRASS CAP "1916" N 456386.0 - E 634380.5 36		(C) N 00°00'35" E 5328.08' (D)	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 _____ Date _____ Printed Name _____ E-mail Address _____
	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. 06/22/2021 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number			
	PROF. ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR			
	Job No.: LS21060600			

S 89°40'53" W 5296.29'



1 MILE AREA OF REVIEW



2 MILE AREA OF REVIEW

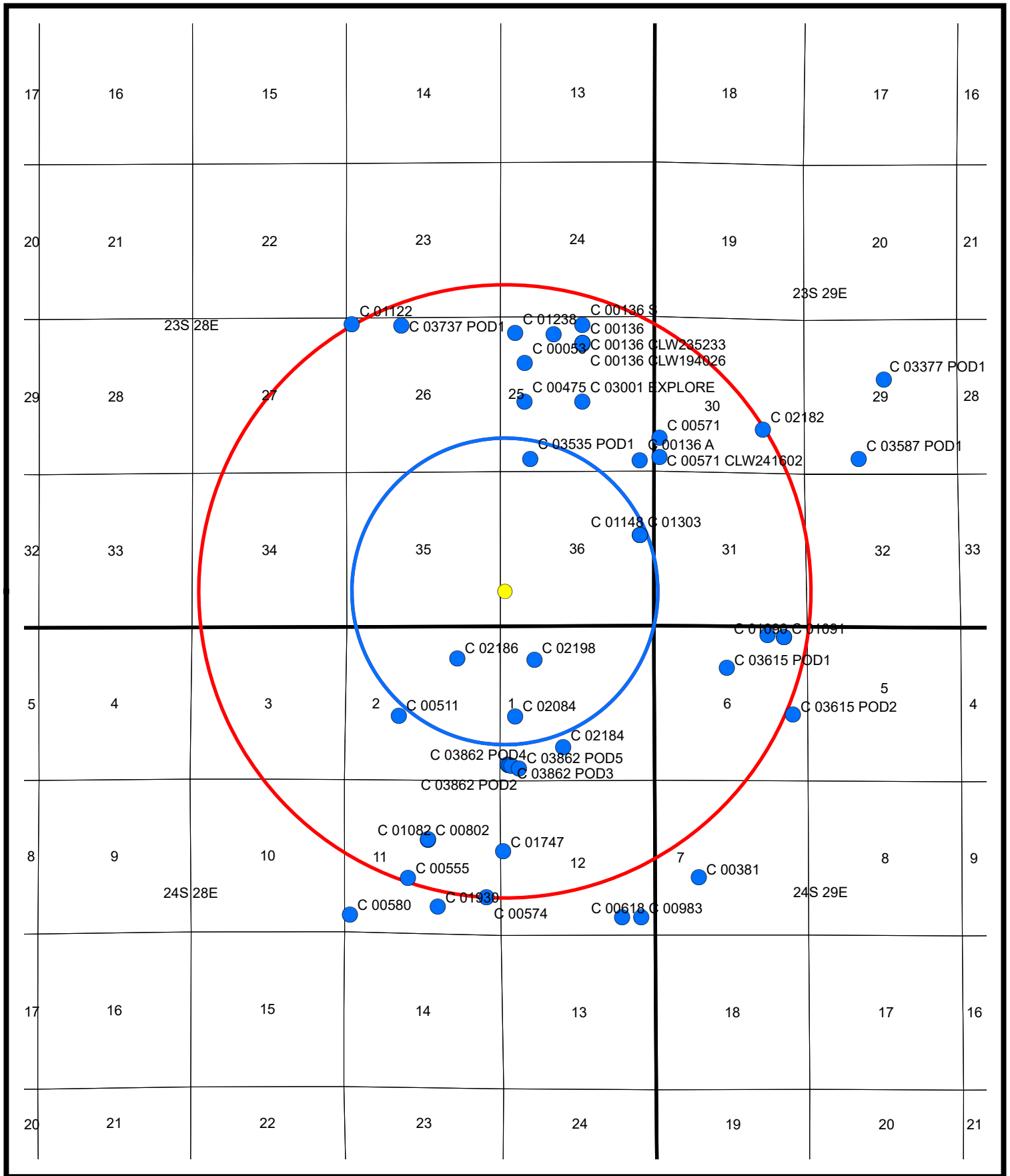
 Mewbourne Oil Company	
JETT 36 FEE SWD #1 1160' FSL & 300' FWL SECTION 36 23S 28E EDDY CO., NEW MEXICO	
Author: sd	Date: 9 July, 2021

Mewboure Oil Company
Jett 36 Fee SWD #1 C-108 Application

1 MILE AOR WELLS

ESTIMATED TOP OF DEVONIAN = 14,175'

API	Lease Name	Well Num	Operator Name	Current Operator	Location	Footage	Field Name	State	County	Play Name	Final Status	Last Activity Date	Driller Td	Form at TD Name	Formation Producing Name	Proj Depth	Proj Form	Permit License Date	Spud Date	Comp Date	Final Drill Date	Latitude	Longitude	
30015262790000	MALAGA '2' STATE COM	1	ENRON OIL & GAS CO	KAISER-FRANCIS OIL CO	245 28E 2 SE	2130 FSL 1650 FEL CONGRESS SECTION	MALAGA	NM	EDDY	ATOKA	GAS PRODUCER	2021-05-20	12050	ATOKA	STRAWN	12100	ATOKA	1990-01-28	1990-02-07	1990-04-26	1990-03-16	32.24542819	-104.0542655	
30015264150000	MALAGA '1' COM	1	ENRON OIL & GAS CO	KAISER-FRANCIS OIL CO	245 28E 1 NE NW	660 FNL 1680 FWL CONGRESS SECTION	MALAGA	NM	EDDY	ATOKA	GAS PRODUCER	2021-05-20	12100	ATOKA	ATOKA	12200	ATOKA	1990-08-15	1990-08-25	1990-11-05		32.25235499	-104.0435533	
30015264150001	MALAGA '1' COM	1	KAISER-FRANCIS OIL CO	KAISER-FRANCIS OIL CO	245 28E 1 NE NW	660 FNL 1680 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	GAS-WO	2021-05-20	12100	ATOKA	BONE SPRING	BONE SPRING	2013-11-08	2014-01-21	2014-02-01		32.25235499	-104.0435533		
30015265640000	MALAGA '36' STATE	1	ENRON OIL & GAS CO	KAISER-FRANCIS OIL CO	235 28E 36 NW SE	1980 FSL 1980 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	ATOKA	GAS PRODUCER	2021-07-16	12150	ATOKA	ATOKA	12100	ATOKA	1990-12-22	1991-01-01	1991-08-26		32.25960078	-104.0382911	
30015265640001	MALAGA 36 STATE	1	KAISER-FRANCIS OIL CO	KAISER-FRANCIS OIL CO	235 28E 36 NW SE	1980 FSL 1980 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	WOLFCAMP DELAWARE	OIL-WO	2021-05-20	12150	ATOKA	WOLFCAMP	WOLFCAMP	2007-01-12	2007-02-25	2007-06-06		32.25960078	-104.0382911		
30015265640002	MALAGA 36 STATE	1	KAISER-FRANCIS OIL CO	KAISER-FRANCIS OIL CO	235 28E 36 NW SE	1980 FSL 1980 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL-WO	2021-05-20	12150	ATOKA	BONE SPRING	BONE SPRING	2010-06-20	2010-06-21	2010-09-25		32.25960078	-104.0382911		
30015274490000	MALAGA 'C'	3	PHILLIPS PETROLEUM CO	CHEVRON U S A INC	235 28E 36 N2 SE SW	990 FSL 1980 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	ATOKA	GAS PRODUCER	2021-07-16	12198	ATOKA	ATOKA UPPER	12200	ATOKA	1993-05-31	1993-06-10	1993-12-15		32.25689278	-104.0425641	
30015274490001	MALAGA C	3	CHESAPEAKE OPERATING INC	CHEVRON U S A INC	235 28E 36 N2 SE SW	990 FSL 1980 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL-WO	2021-05-20	12198	ATOKA	BONE SPRING	12198	BONE SPRING	2007-12-07	2008-01-01	2008-01-31		32.25689278	-104.0425641	
30015324090000	LAYLA '35' FEE COM	1	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35 SW NE SE	1650 FSL 1241 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	ATOKA	GAS PRODUCER	2021-05-27	12115	ATOKA	ATOKA	12150	ATOKA	2002-08-20	2002-12-15	2003-03-11	2003-01-26	32.25869283	-104.0529811	
30015386750000	LAYLA '35'	2H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	185 FNL 2150 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2021-01-11	11135	BONE SPRING	BONE SPRING	11075	BONE SPRING	2011-04-11	2012-06-02	2012-08-16	2012-06-21	32.26820194	-104.0591773	
30015409670000	LAYLA 35 PA FEE	1H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	150 FSL 330 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2020-11-30	13182	BONE SPRING	BONE SPRING	12943	BONE SPRING	2013-01-15	2013-12-17	2014-02-15	2014-01-07	32.25457367	-104.050045	
30015409680000	LAYLA 35 OB FEE	1H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	150 FSL 1980 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2021-01-11	13020	BONE SPRING	BONE SPRING	12950	BONE SPRING	2013-01-15	2013-04-04	2013-05-29	2013-04-28	32.25456445	-104.0553838	
30015417300000	LAYLA 35 MD FEE	2H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	185 FSL 660 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2019-05-17	15225	WOLFCAMP	WOLFCAMP	15150	WOLFCAMP	2013-10-09	2014-01-20	2014-04-02	2014-03-01	32.25454472	-104.0639867	
30015423530000	LAYLA 35 B2NC FEE	2H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	185 FSL 1670 FWL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2021-01-11	12980	BONE SPRING	BONE SPRING	12900	BONE SPRING	2014-05-01	2014-07-22	2014-09-04	2014-08-15	32.25467591	-104.0607451	
30015424070000	LAYLA 35 W2OB FEE	3H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	175 FNL 2435 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	WOLFCAMP DELAWARE	OIL PRODUCER	2019-11-18	15230	WOLFCAMP	WOLFCAMP	15267	WOLFCAMP	2014-06-05	2015-02-02	2015-08-24	2015-03-07	32.2546529	-104.0568549	
30015448010000	SKYNYRD 2 WOCN FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	245 28E 2	175 FNL 1340 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-05-20	14445	WOLFCAMP	WOLFCAMP	14160	WOLFCAMP	2018-03-14	2018-08-22	2019-01-04	2018-09-06	32.25365528	-104.0618	
30015448020000	SKYNYRD 2 WODM FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	245 28E 2	175 FNL 1280 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-05-20	14385	WOLFCAMP	WOLFCAMP	14160	WOLFCAMP	2018-03-14	2018-07-17	2019-01-05	2018-07-30	32.253655	-104.0619942	
30015448030000	SKYNYRD 2 WODM FEE	002H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	245 28E 2	175 FNL 1310 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-05-20	14305	WOLFCAMP	WOLFCAMP	15050	WOLFCAMP	2018-03-14	2018-08-03	2019-01-05	2018-08-18	32.25365528	-104.0618975	
30015449850100	GENERAL KEHOE 02-245-28E RB	223H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2	303 FNL 1805 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS-WO	2021-05-20	15395	WOLFCAMP	WOLFCAMP	15501	WOLFCAMP	2019-06-24	2019-06-25	2019-08-20	2019-07-03	32.2533125	-104.0548295	
30015449860000	GENERAL KEHOE 02-245-28E RB	228H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2	217 FNL 368 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-05-20	15564	WOLFCAMP	WOLFCAMP	15568	WOLFCAMP	2018-05-25	2019-04-03	2019-08-20	2019-05-09	32.2535808	-104.0501825	
30015455550000	GENERAL KEHOE 02 245 28E RB	203H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2 NE	303 FNL 1835 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2020-01-10	14519	WOLFCAMP	WOLFCAMP	14400	WOLFCAMP	2018-12-18	2019-03-23	2019-08-18	2019-07-11	32.2533155	-104.0549265	
300154555560000	GENERAL KEHOE 02 245 28E RB	208H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2	218 FNL 339 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2020-01-10	14510	WOLFCAMP	WOLFCAMP	14528	WOLFCAMP	2018-12-18	2019-04-01	2019-08-19	2019-04-30	32.2535	-104.0501	
300154555570000	GENERAL KEHOE 02-245-28E RB	217H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2	333 FNL 1805 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2020-01-10	14697	WOLFCAMP	WOLFCAMP	14716	WOLFCAMP	2018-12-18	2019-03-25	2019-08-19	2019-07-17	32.25323333	-104.0548278	
30015464390000	CHES RIDDLE COM	205H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2	308 FNL 338 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2020-01-10	15110	WOLFCAMP	2019-11-08	15110	WOLFCAMP	2019-11-08				32.2533114	-104.0500861	
30015464460000	RAY STATE COM	224H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 1	981 FNL 317 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-05-20	21190	WOLFCAMP	WOLFCAMP	22215	WOLFCAMP	2019-11-20	2019-11-29	2020-06-01	2020-03-16	32.2515012	-104.0328766	
30015464470000	RAY STATE COM	124H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 1	935 FNL 322 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	WELL PERMIT	2020-01-10	19245	BONE SPRING		19245	BONE SPRING	2019-11-20				32.2516271	-104.0328924	
30015464490000	RAY STATE COM	204H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 1	953 FNL 298 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2020-10-13	20198	WOLFCAMP	WOLFCAMP	20174	WOLFCAMP	2019-11-21	2019-11-25	2020-06-03	2020-01-27	32.2515803	-104.0328126	
30015464500100	RAY STATE COM	217H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 1	918 FNL 347 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	OIL-WO	2021-03-17	20510	WOLFCAMP	WOLFCAMP	20370	WOLFCAMP	2019-11-21	2020-02-13	2020-06-01	2020-02-29	32.2516739	-104.0329723	
30015464750000	RAY STATE COM	203H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	235 28E 36	159 FSL 2598 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS PRODUCER	2021-01-06	19995	WOLFCAMP	WOLFCAMP	19990	WOLFCAMP	2019-12-09	2019-12-12	2020-05-01	2020-02-13	32.2546179	-104.0402578	
30015464760100	RAY STATE COM	223H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	235 28E 36	130 FSL 2606 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	GAS-WO	2020-12-08	21075	WOLFCAMP	WOLFCAMP	21045	WOLFCAMP	2020-01-13	2020-01-14	2020-05-01	2020-01-27	32.2545386	-104.0402865	
30015466670000	RAY STATE COM	123H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	235 28E 36	188 FSL 2589 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2021-07-27	18670	BONE SPRING	BONE SPRING	18900	BONE SPRING	2020-02-03	2020-05-19	2020-10-15	2020-06-02	32.2546961	-104.0402291	
30015470270000	CHES RIDDLE FED COM	122H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2 NE	1906 FNL 526 FEL CONGRESS SECTION	RED HILLS	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2020-07-29	13445	WOLFCAMP	2020-04-08	13445	WOLFCAMP	2020-04-08				32.2489158	-104.0507169	
30015470280000	CHES RIDDLE FED COM	226H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2 NE	1927 FNL 504 FEL CONGRESS SECTION	ANTELOPE RIDGE	NM	EDDY	BONE SPRING	WELL PERMIT	2020-07-29	15552	BONE SPRING	2020-04-08	15552	BONE SPRING	2020-04-08				32.2488573	-104.0506484	
30015470980000	RAY STATE COM	113H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	235 28E 36	216 FSL 2580 FEL CONGRESS SECTION	CULEBRA BLUFF S	NM	EDDY	BONE SPRING	OIL PRODUCER	2021-03-19	17600	BONE SPRING	BONE SPRING	17900	BONE SPRING	2020-05-15	2020-05-18	2020-10-15	2020-06-19	32.2547751	-104.0402003	
30015471070000	CHES RIDDLE FED COM	202H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2 NW	1863 FNL 568 FWL CONGRESS SECTION	ANTELOPE RIDGE	NM	EDDY	BONE SPRING	WELL PERMIT	2020-07-29	14751	BONE SPRING		14751	BONE SPRING	2020-05-19				32.2490331	-104.0508534	
30015474660000	LAYLA 35 W0OB FEE	002H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	170 FSL 1200 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2020-09-28	14461	WOLFCAMP	2020-09-24	14461	WOLFCAMP	2020-09-24				32.25461908	-104.0528602	
30015474670000	LAYLA 35 W0OB FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	170 FSL 1230 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2020-09-28	14508	WOLFCAMP	2020-09-24	14508	WOLFCAMP	2020-09-24				32.25461878	-104.0529574	
30015474680000	LAYLA 35 W0PA FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	170 FSL 1170 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2020-09-28	14520	WOLFCAMP	2020-09-24	14520	WOLFCAMP	2020-09-24				32.25461918	-104.0527633	
30015476730000	LAYLA 35-26 W0MD FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	225 FSL 1870 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL START	2021-07-26	14514	WOLFCAMP	2020-11-13	14514	WOLFCAMP	2020-11-13	2021-07-22				32.25475739	-104.060081
30015476740000	LAYLA 35-26 W0NC FEE	001H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	225 FSL 1900 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	AT TOTAL DEPTH	2021-07-26	19845	19835	WOLFCAMP	2020-11-13	19835	WOLFCAMP	2020-11-13	2021-07-04		2021-07-20	32.25475739	-104.0599838
30015476800000	LAYLA 35-26 W0NC FEE	002H	MEWBOURNE OIL CO	MEWBOURNE OIL CO	235 28E 35	225 FSL 1930 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	AT TOTAL DEPTH	2021-07-06	19807	19824	WOLFCAMP	2020-11-13	19824	WOLFCAMP	2020-11-13	2021-06-16		2021-07-01	32.25475749	-104.0598869
30015479550000	CHES RIDDLE FED COM	206H	MATADOR PRODUCTION CO	MATADOR PRODUCTION CO	245 28E 2 NE	1733 FNL 305 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY	WOLFCAMP DELAWARE	WELL PERMIT	2021-01-21	14538	WOLFCAMP	2021-01-06	14538	WOLFCAMP	2021-01-06					32	



 WATER WELLS

 JETT 36 SWD

INFORMATION COURTESY OF
THE NEW MEXICO STATE ENGINEER
NM WATER RIGHTS REPORTING SYSTEM

 Mewbourne Oil Company		
JETT 36 FEE SWD #1 1160' FSL & 300' FWL SECTION 36 23S 28E EDDY CO., NEW MEXICO		
Author: sd		Date: 9 July, 2021

MEWBOURNE OIL COMPANY

JETT 36 FEE SWD #1 APPLICATION

LIST OF NEARBY WATER WELLS (2 MILE AOR)

POD Number	POD Subbasin	County	Source	q64	q16	q4	Sec	Tws	Rng	X	Y	Lat	Long	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller
C 00136	CUB	EDDY	Shallow	SW	NW	NE	25	23S	28E	590426	3571967	32.280812	-104.03974	06/20/2002	07/09/2002	08/19/2002	200	42	BEHUNIN,KEITH
C 00136 A	CUB	EDDY	Shallow	SE	SE	SE	25	23S	28E	591037	3570753	32.269812	-104.03337	09/25/2003	09/27/2003	10/27/2003	100	60	EXISTING WELL
C 00136 S	CUB	EDDY	Shallow	NW	NW	NE	25	23S	28E	590426	3572167	32.282616	-104.03972	04/05/1976	08/24/1964	05/28/1976	122	45	HOWARD HEMLER.
C 01443	C	EDDY	Shallow		NE	NW	25	23S	28E	590123	3572064	32.281711	-104.04295	10/27/1970	11/08/1970	11/17/1970	50	27	BARRON, EMMETT
C 03001 EXPLORE	CUB	EDDY	Shallow	NW	NW	SE	25	23S	28E	590430	3571355	32.275291	-104.03976	09/10/2003	09/24/2003	10/20/2003	140		HAMMOND, JOHN B.
C 03535 POD1	C	EDDY	Shallow	SE	SW	SW	25	23S	28E	589860	3570751	32.269889	-104.04559	04/06/2012	04/08/2012	04/26/2012	210	25	TAYLOR, ROY ALLEN
C 00053	CUB	EDDY		NE	SW	NW	25	23S	28E	589820	3571753	32.278931	-104.0462						
C 00136 CLW194026	CUB	EDDY		SW	NW	NE	25	23S	28E	590426	3571967	32.280812	-104.03974						
C 00136 CLW235233	CUB	EDDY	Shallow	SW	NW	NE	25	23S	28E	590426	3571967	32.280812	-104.03974						
C 00475	CUB	EDDY	Shallow	NE	NW	SW	25	23S	28E	589822	3571347	32.275268	-104.04621						
C 01238	C	EDDY			NW	NW	25	23S	28E	589718	3572060	32.281708	-104.04725						
C 01122	CUB	EDDY	Shallow	NW	NW	NW	26	23S	28E	587999	3572138	32.282548	-104.06549	12/04/1964	01/05/1965	02/05/1965	175	30	SAM S. SMITH
C 03737 POD1	C	EDDY		NE	NE	NW	26	23S	28E	588519	3572124	32.282389	-104.05997						
C 01148	CUB	EDDY		SE	SE	NE	36	23S	28E	591041	3569943	32.262505	-104.0334						
C 01303	CUB	EDDY	Shallow	SE	SE	NE	36	23S	28E	591041	3569943	32.262505	-104.0334						
C 03587 POD1	CUB	EDDY	Shallow	NW	SE	SW	29	23S	29E	593338	3570754	32.269639	-104.00895	04/13/2013	04/14/2013	05/07/2013	99	44	TAYLOR, CLINTON E.
C 03377 POD1	C	EDDY		SW	SW	NE	29	23S	29E	593596	3571587	32.277124	-104.00612						
C 00571	CUB	EDDY	Shallow	NW	SW	SW	30	23S	29E	591241	3570957	32.271636	-104.03118	07/25/1954	07/30/1954	09/14/1954	90	38	EXISTING WELL
C 00571 CLW241602	CUB	EDDY	Shallow	SW	SW	SW	30	23S	29E	591241	3570757	32.269832	-104.0312	07/25/1954	07/30/1954	09/14/1954	89	38	J.R. JOLLY
C 02182	C	EDDY	Shallow			SE	30	23S	29E	592328	3571048	32.272367	-104.01963	09/26/1989	09/26/1989	10/05/1989	75	30	
C 02184	C	EDDY	Shallow	NE	SE	SW	1	24S	28E	590248	3567700	32.242337	-104.04203	12/10/1989	12/10/1989	12/19/1989	87	60	ROBERT W. COLLIS
C 02198	C	EDDY				NW	1	24S	28E	589940	3568611	32.250579	-104.04522	08/09/1990	08/13/1990	08/28/1990	78		MURRELL ABBOTT
C 03862 POD1	CUB	EDDY	Shallow	SW	SW	SW	1	24S	28E	589672	3567505	32.240628	-104.04816	04/20/2015	04/23/2015	05/14/2015	17	10	CHRISTIAN ORTIZ
C 03862 POD2	CUB	EDDY	Shallow	SW	SW	SW	1	24S	28E	589665	3567507	32.240647	-104.04824	04/20/2015	04/23/2015	05/14/2015	30	10	CHRISTIAN ORTIZ
C 03862 POD3	CUB	EDDY	Shallow	SW	SW	SW	1	24S	28E	589685	3567500	32.240583	-104.04803	04/20/2015	04/23/2015	05/14/2015	60	10	CHRISTIAN ORTIZ
C 03862 POD4	CUB	EDDY	Shallow	SW	SW	SW	1	24S	28E	589705	3567490	32.240495	-104.04781	04/20/2015	04/23/2015	05/14/2015	30	10	CHRISTIAN ORTIZ
C 03862 POD5	CUB	EDDY	Shallow	SE	SW	SW	1	24S	28E	589785	3567458	32.240197	-104.04697	04/20/2015	04/23/2015	05/14/2015	17	10	CHRISTIAN ORTIZ
C 02084	C	EDDY			NW	SW	1	24S	28E	589741	3568003	32.245111	-104.04739						
C 00511	C	EDDY	Shallow		NE	SW	2	24S	28E	588518	3568001	32.24519	-104.06	10/04/1953	10/15/1953	02/24/1954	268	140	SMITH, SAM S.
C 02186	C	EDDY	Shallow			NE	2	24S	28E	589128	3568606	32.250599	-104.05384	02/04/1990	02/04/1990	02/13/1990	100	55	ROBERT W. COLLIS
C 00574	CUB	EDDY	Shallow	NE	SE	SE	11	24S	28E	589452	3566081	32.22797	-104.05064	08/12/1954	08/12/1954	09/10/1954	200	20	W. D. BRININSTOOL
C 01082	CUB	EDDY	Shallow	SW	SW	NE	11	24S	28E	588832	3566693	32.233367	-104.05716	11/30/1964	11/30/1964	06/21/1966	120		A. M. BRININSTOOL
C 00555	C	EDDY		SE	NE	SW	11	24S	28E	588625	3566296	32.229802	-104.05939						
C 00580	CUB	EDDY		SW	SW	SW	11	24S	28E	588017	3565903	32.226305	-104.06588						
C 00802	CUB	EDDY		SW	SW	NE	11	24S	28E	588832	3566693	32.233367	-104.05716						
C 01930	C	EDDY			SW	SE	11	24S	28E	588941	3565989	32.227008	-104.05607						
C 00618	C	EDDY	Shallow	SW	SE	SE	12	24S	28E	590880	3565885	32.225915	-104.0355	11/30/1954	12/01/1954	12/10/1954	80	40	DONOWHO, JOE
C 00983	C	EDDY	Shallow	SE	SE	SE	12	24S	28E	591080	3565885	32.225898	-104.03338	02/16/1961	02/20/1961	03/21/1961	92	40	BARRON, EMMETT
C 01747	CUB	EDDY	Shallow				12	24S	28E	590367	3566577	32.232198	-104.04878	04/06/1977	05/02/1977	07/13/1977	176	139	
C 01090	CUB	EDDY			NE	NE	6	24S	29E	592563	3568831	32.25235	-104.01735						
C 01091	CUB	EDDY			NE	NE	6	24S	29E	592563	3568831	32.25235	-104.01735						

C 02713 POD2	CUB	EDDY	Shallow	NW	NE	NE	6	24S	29E	592390	3568849	32.252528	-104.01919						
C 03615 POD1	CUB	EDDY	Shallow	NW	SW	NE	6	24S	29E	591964	3568500	32.249417	-104.02375	05/04/2013	05/04/2013	05/10/2013	60	36	TAYLOR, CLINTON E.
C 03615 POD2	CUB	EDDY	Shallow	SE	NE	SE	6	24S	29E	592661	3568013	32.244972	-104.01639	05/01/2013	05/01/2013	05/10/2013	60	26	TAYLOR, CLINTON E.
C 00381	CUB	EDDY		SW	NE	SW	7	24S	29E	591682	3566297	32.229566	-104.02695						
																AVERAGE	105	41	



Powered by: Water Lens™

Sample Information			
Date of Sample Analysis:	2021/07/06	Technician Name:	vfuentes
Date Sample was Taken:	07/01/2021	Sample Name:	Jett 36 Fed SWD#1
Analysis Performed by:	EPD	API Well Number:	
Client:	Mewbourne Oil Company	Well Name:	Produced Water
Reader Number:		Test Number:	Layla 35 W20B Fee #3H
Water Lens Batch Number:	B41		

Metals			
	Dilution Factor	mg/L	meq/L
Barium	10	40	1
Calcium	Calc	10520	525
Iron II (Fe ²⁺)	100	15.72	0.56
Iron III (Fe ³⁺)	Calc	Less than 3	Less than 0.16
Total Dissolved Iron	100	17.10	0.93
Magnesium	1,000	1,492.00	122.80
Sodium	Calc	63000	2740
Strontium	n/a	Test Not Run	-
Manganese	n/a	Test Not Run	-
Boron		Test Not Run	-
Potassium	100	2,248	57.5

Anions			
	Dilution Factor	mg/L	meq/L
Chloride	100	121,190	3,419
Sulfate	10	400	8
Nitrate	n/a	Test Not Run	-
Phosphate	100	18.53	0.59
Unfiltered Phosphate	n/a	Test not run	Test not run
Filtered Phosphate	n/a	Test not run	Test not run
Delta Phosphate		Test Not Run	-
Carbonate (as CO ₃ ²⁻)	Calc	-	-
Bicarbonate (as HCO ₃ ⁻)	Calc	Less than 22	-
Acetates/Formates (as Acetate)	Calc	52	0.9
Hydroxide (as OH ⁻)	Calc	0	0
Sulfide (Total)	n/a	Test not run	Test not run

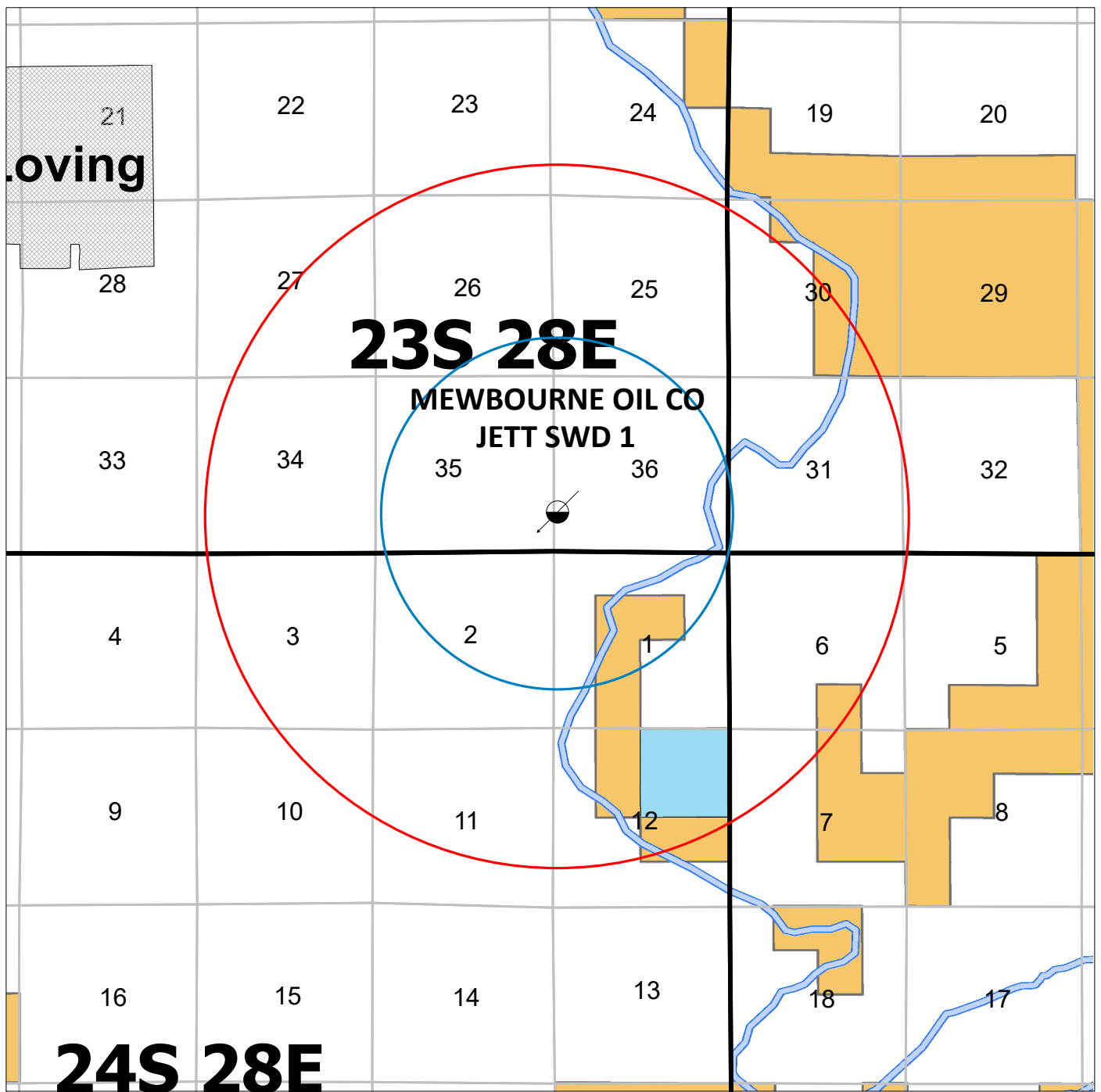
Other			
	Dilution Factor		
Hydrogen Sulfide (H ₂ S)	Calc	0.5	mg/L
Turbidity	1	177	NTU's
Total Hardness	1,000.0	32,450.00	mg/L CaCO ₃
Oxidation/Reduction Potential (ORP)		105	millivolts
Temperature		77	Fahrenheit
Stiff & Davis Scaling Index (S&DSI)		-2.51	
Langelier Scaling Index (LSI)		-1.53	
Larson-Skold Index		19044.56	
Skillman Index		1.251	
Barite Saturation Index		1.92	
Gypsum Saturation Index		0.03	
ATP (picograms/mL)	Calc	Test not run	
Dissolved CO ₂ (ppm)	Calc	580	
pH	n/a	5.23	
Total Alkalinity	1	44	mg/L CaCO ₃
Total Dissolved Solids (TDS)	Calc	199,000	mg/L
Electrical Conductivity	Calc	252,400	uS/cm
Electrical Resistivity	Calc	4.0	Ohm*cm
Manganese/Iron Ratio		Test Not Run	
Specific Gravity		1.1380	

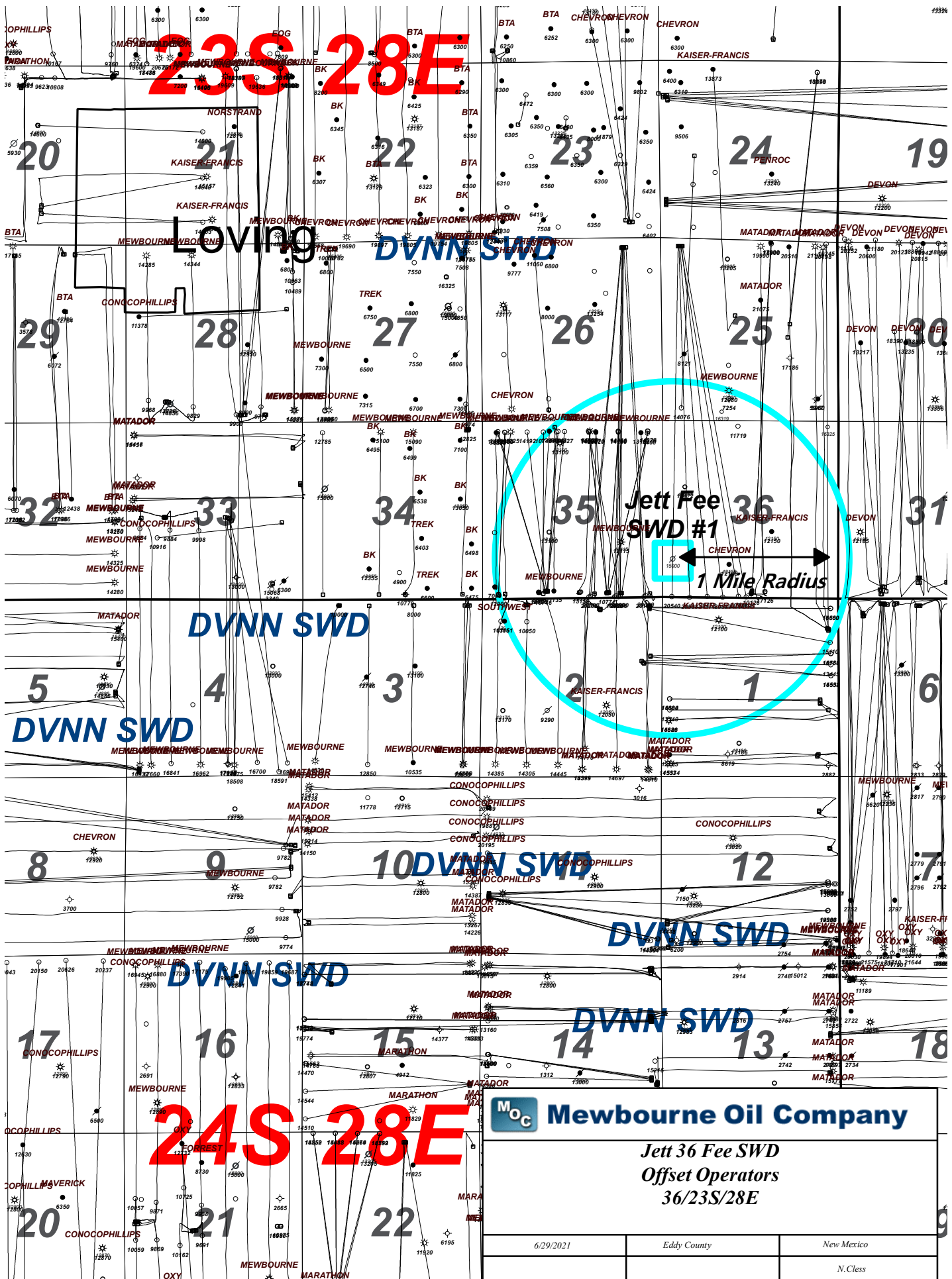
Comments	
Wolfcamp	

Bon e spring

DATE	DAILY REPORTS
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Water analysis from 08/01/13: SG @ 1.120, Temp 70°, pH 6.48, Na 49502, Ca 5200, Mg 2400, Fe 10, CL 92000, SO4 250, HCO3 73 (all in Mg/L).





Mewbourne Oil Company

*Jett 36 Fee SWD
Offset Operators
36/23S/28E*

6/29/2021	Eddy County	New Mexico
		N.Cless

Listing of Notified Persons

**Jett 36 Fee SWD #1 Application
1,160' FSL, 300' FWL
Section 36, 23S, 28E, Eddy County, NM**

Surface Owner

Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Henry McDonald
PO Box 597
Loving, NM 88256-0597

Offsetting Operators Within 1 Mile AOR

Section 1-T24-R28:

Kaiser-Francis Oil Company
6733 South Yale Avenue
P.O. Box 21468
Tulsa, Oklahoma 74121-1468

Matador Production Company
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Section 2-T24-R28:

Mewbourne Oil Company

Kaiser-Francis Oil Company
6733 South Yale Avenue
P.O. Box 21468
Tulsa, Oklahoma 74121-1468

Matador Production Company
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Section 35-T23-R28:

Mewbourne Oil Company

Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Section 36-T23-R28:

Kaiser-Francis Oil Company
6733 South Yale Avenue
P.O. Box 21468
Tulsa, Oklahoma 74121-1468

Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Matador Production Company
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240



MEWBOURNE
OIL COMPANY

July 25, 2021

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Mr. Phillip Goetze

Re: Jett 36 Fee SWD #1
Sec 36, Twp 23S, Rge 28E
Eddy County, NM

Mr. Goetze,

In accordance with item XII on Mewbourne Oil Company's C-108 filed for the captioned salt water disposal well, Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting or any other hydrologic connection between the proposed disposal zone and any underground sources of drinking water.

Should you have any questions, please email me at zanderson@mewbourne.com or call me at (575) 393-5905.

Sincerely,

MEWBOURNE OIL COMPANY

Zane Anderson
Engineer
zanderson@mewbourne.com

STATEMENTS REGARDING SEISMICITY AND WELL SPACING

Historically, the area nearby our proposed Jett 36 Fee SWD #1 has not seen a significant amount of seismic activity. There has been one seismic event (per USGS database) in this area in 1974 (magnitude 3.9) that was located 6.7 miles northwest of our proposed SWD.

Mewbourne Oil Company does not own 2D or 3D seismic data near our proposed SWD therefore our fault interpretation is based on subsurface mapping and data obtained from public technical sources. Our publicly sourced faults data is from a 2005 paper by Ruppel et al. (map attached). Based off our subsurface mapping of the deep formations, Mewbourne has not interpreted any faults in the immediate area. The closest known mapped “deep” fault, that is documented in public data, is approximately 12 miles southwest of our proposed SWD.

A very recent technical paper written by Snee and Zoback, “State of Stress in the Permian, Basin, Texas and New Mexico: Implications for induced seismicity”, that was published in the February 2018 edition of The Leading Edge, evaluates the strike-slip probability, using probabilistic FSP analysis, of known Permian Basin faults. This study predicts that the Precambrian fault located on our map has less than a 10% probability of being critically stressed so as to create an induced seismicity event. The main reason for this low probability is due to the relationship of the strike of this fault to the regional Shmax orientation in study area 3 (see Figure #2) is approximately N 35 deg in this area.

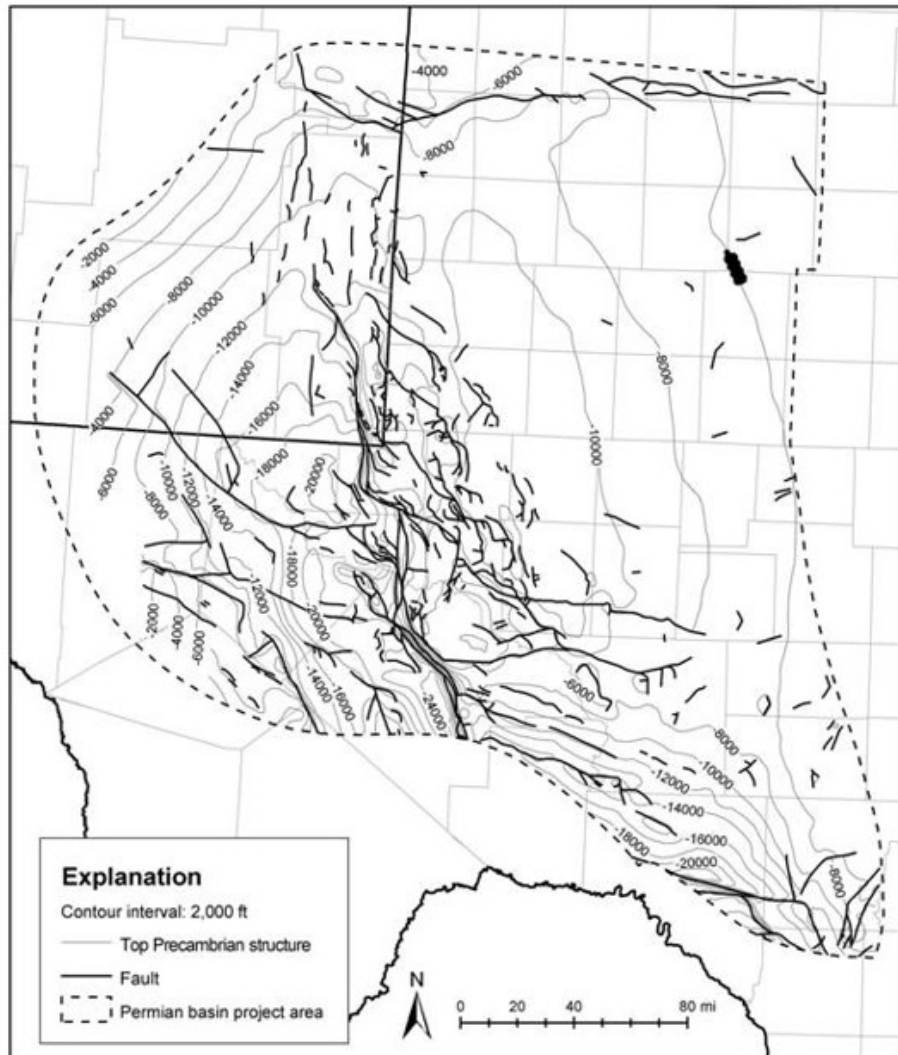
Figure 3 from the Snee and Zoback paper highlights additional faults in this area that trend more in a NE/SW direction. There is a high probability that these mapped faults are actually surface faults as the apparent source of these fault traces is from a Geological Map of New Mexico (see Figure 4).

The Jett 36 Fee SWD #1 is located over 1.5 miles away from any active, permitted or pending Devonian SWD application (see map), to meet current OCD and industry recommended practices.

Operator	Well Name	Status	Distance from Jett (miles)
Black River Water Management Company	Malaga SWD #004	Active	1.8
Mewbourne Oil Company	Layla 27 SWD #1	Active	1.86
NGL WATER SOLUTIONS PERMIAN, LLC	Striker 3 SWD #1	Active	2.22

Zane Anderson

Engineer
zanderson@mewbourne.com
575-393-5905



Precambrian Structure Map In the Permian Basin (Ruppel et al.)

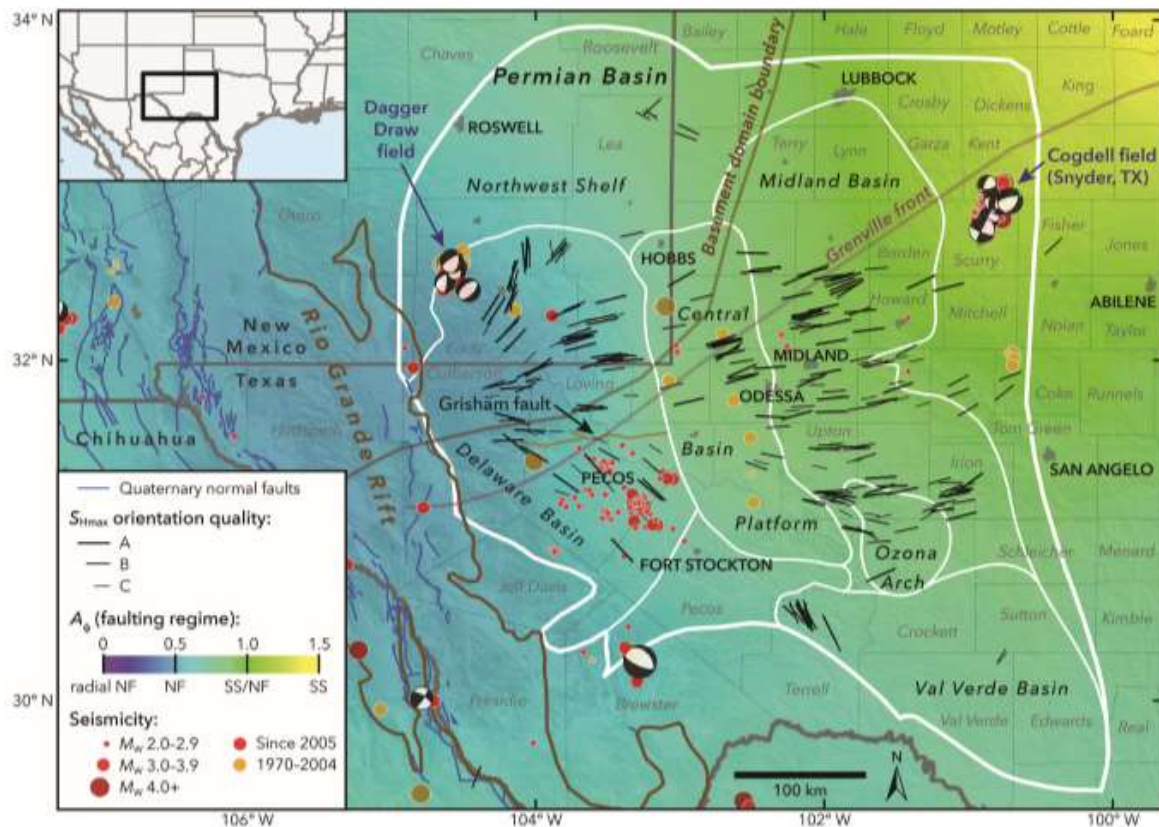


Figure 1. State of stress in the Permian Basin, Texas and New Mexico. Black lines are the measured orientations of S_{max} , with line length scaled by data quality. The colored background is an interpolation of measured relative principal stress magnitudes (faulting regime) expressed using the A_1 parameter (see text for details) of Simpson (1997). Blue lines are fault traces known to have experienced normal-sense offset within the past 1.6 Ma, from the USGS Quaternary Faults and Folds Database (Crone and Wheeler, 2000). The boundary between the Shawnee and Mazatzal basement domains is from Lund et al. (2015), and the Precambrian Grenville Front is from Thomas (2006). The Permian Basin boundary is from the U.S. Energy Information Administration, and the subbasin boundaries are from the Texas Bureau of Economic Geology Permian Basin Geological Synthesis Project. Earthquakes are from the USGS National Earthquake Information Center, the TexNet Seismic Monitoring Program, and Gan and Frohlich (2013). Focal mechanisms are from Saint Louis University (Herrmann et al., 2011).

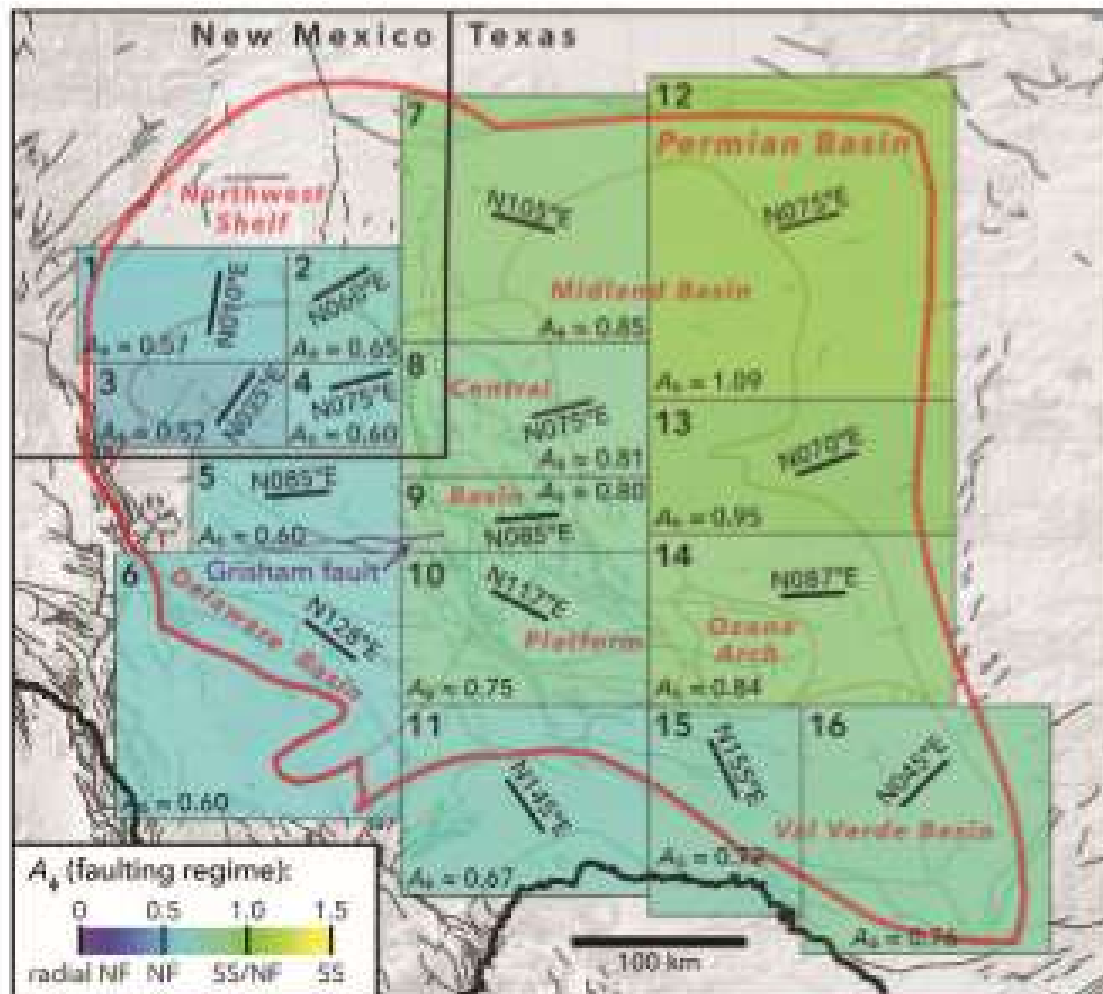


Figure 2. Map of study areas chosen for FSP analysis on the basis of broadly similar stress conditions. Text annotations indicate representative S_{max} orientation and relative principal stress magnitudes (A_1 parameter) for each study area based on the data presented in Figure 1. Gray lines in the background indicate fault traces compiled from Ewing et al. (1990), Green and Jones (1997), Ruppel et al. (2005), and the USGS Quaternary Faults and Folds Database (Crone and Wheeler, 2000), to which we apply FSP analysis.

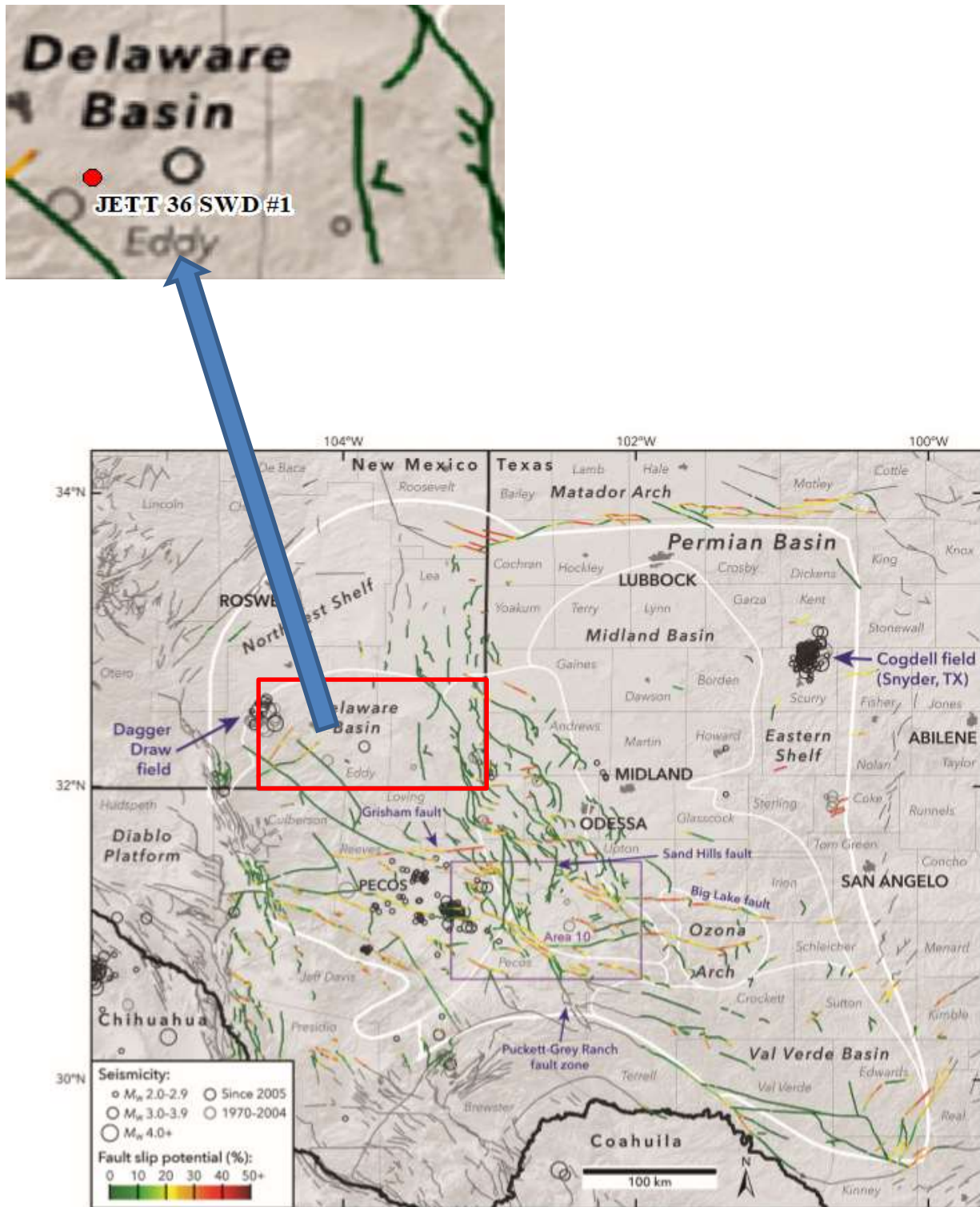


Figure 3. Results of our probabilistic FSP analysis across the Permian Basin. Data sources are as in Figures 1 and 2.

Mewbourne Oil Company
Jett 36 Fee SWD #1
C-108 Attachment
July 2021

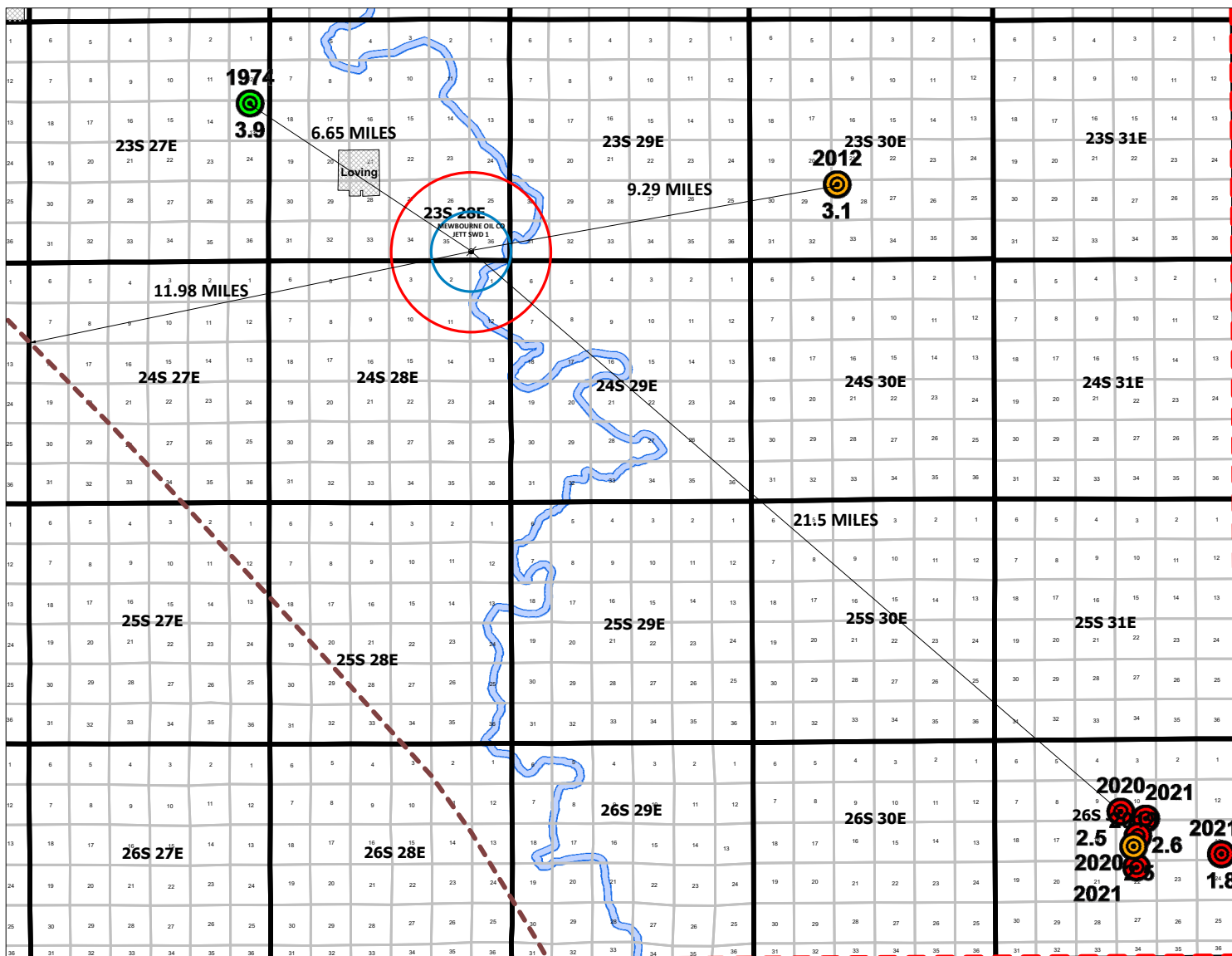
References

Ewing, T.E., R.T. Budnik, J.T. Ames, and D.M. Ridner, 1990, Tectonic Map of Texas: Bureau of Economic Geology, University of Texas at Austin.

Green, G.N., and G.E. Jones, 1997, The digital geologic map of New Mexico in ARC/INFO format: U.S. Geological Survey Open-File Report.

Jens-Erik Lund Snee and Mark D. Zoback, 2018, State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity: The Leading Edge, February 2018.

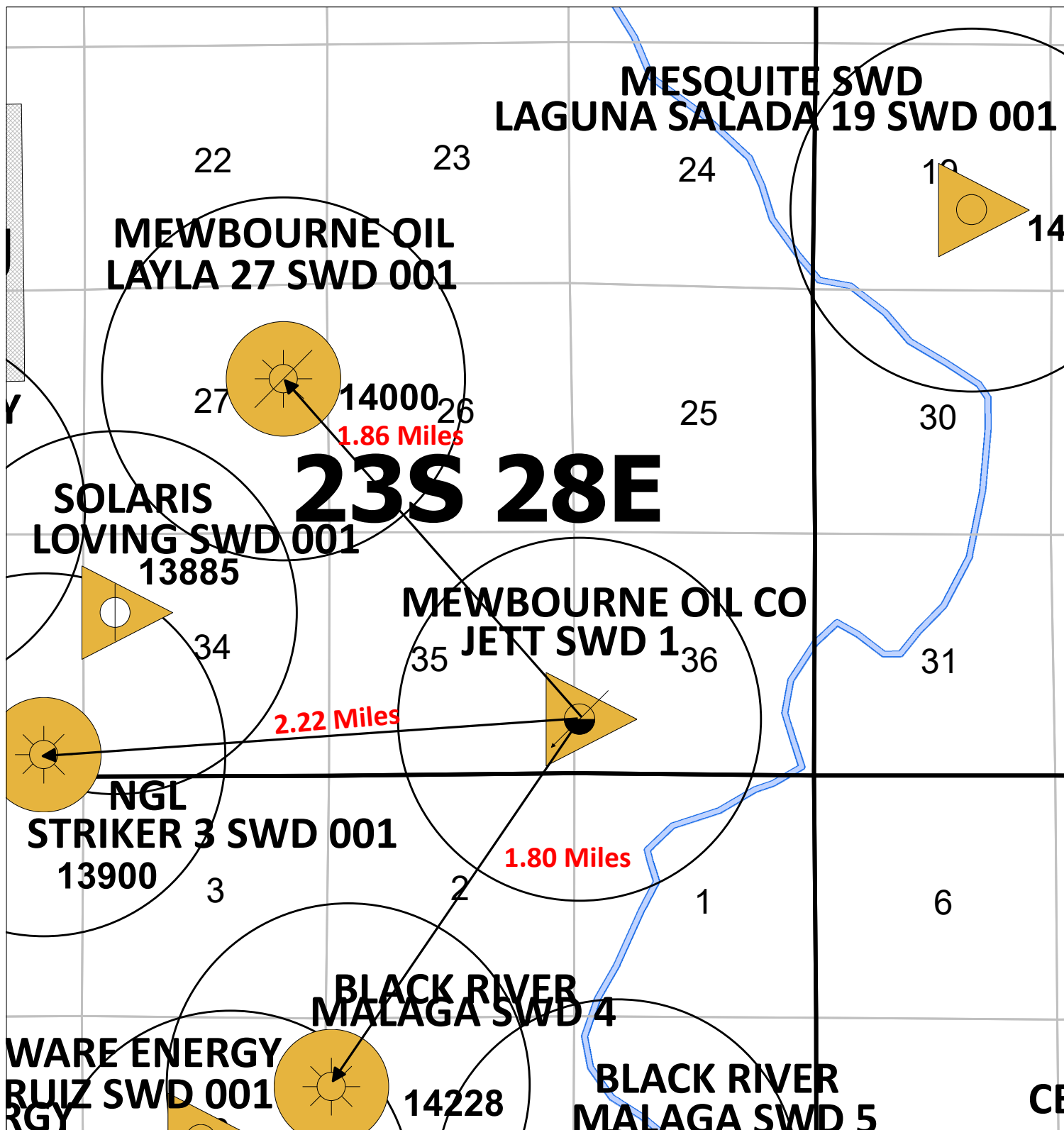
Ruppel, S.C., R.H. Jones, C.L. Breton, and J.A. Kane, 2005 Preparation of maps depicting geothermal gradient and Precambrian structure in the Permian Basin: Bureau of Economic Geology, Jackson School of Geosciences, The University of Texas at Austin, Austin, TX.



1974
3.9

**EARTHQUAKE LOCATIONS
PROVIDED BY USGS**

**FAULT LOCATIONS SOURCED FROM
THE UNIVERSITY OF TEXAS BUREAU OF
ECONOMIC GEOLOGY**



 Mewbourne Oil Company		
JETT 36 FEE SWD #1 1160' FSL & 300' FWL SECTION 36 23S 28E EDDY CO., NEW MEXICO		
Author: sd		Date: 9 July, 2021

A

A'

27 H/23S/28E
3/29/16 DVNN SWD Completion
Open Hole Comp: 13999-15000
Inj Cum: 25 MMBWI
Still Active

33 P/23S/28E
2/9/2018 DVNN SWD Completion
Open Hole Comp: 13974-14865
Inj Cum: 11 MMBWI
Still Active

36 M/23S/28E
Proposed Jett 36 Fee SWD #1

12 L/24S/28E
8/8/2018 DVNN SWD Completion
Open Hole Comp: 14255-15250
Inj Cum: 13 MMBWI
Still Active

500

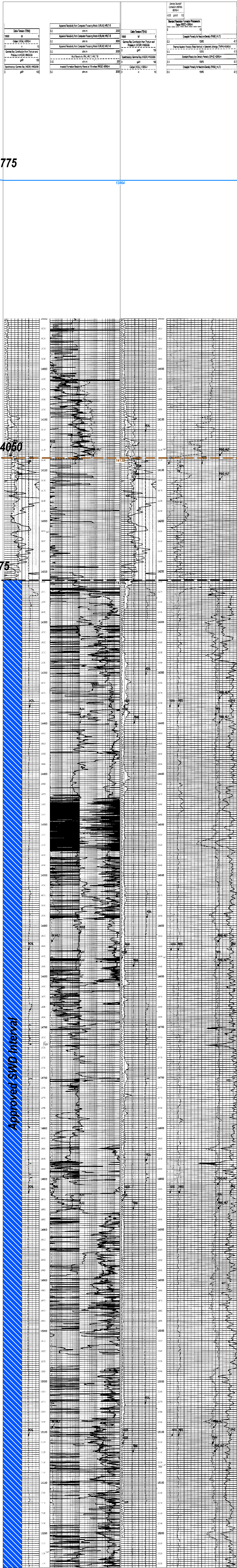
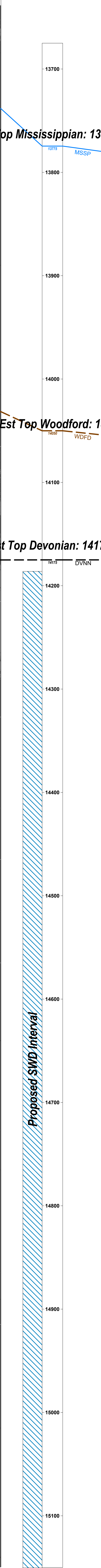
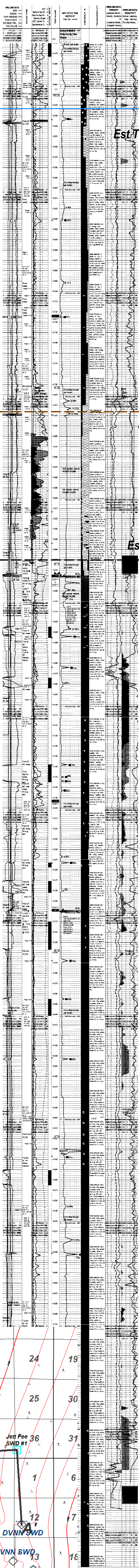
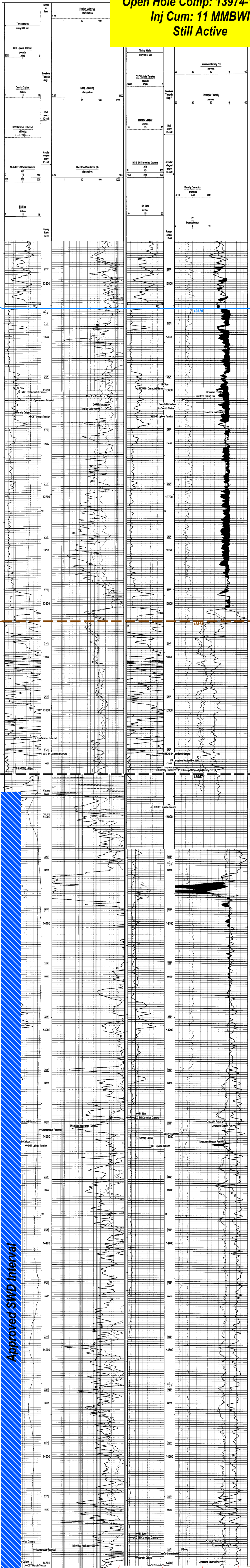
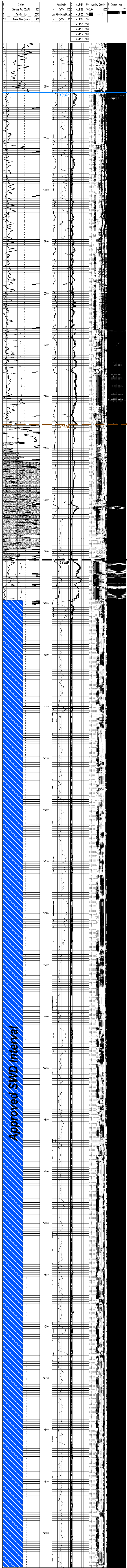
0

-500

500

0

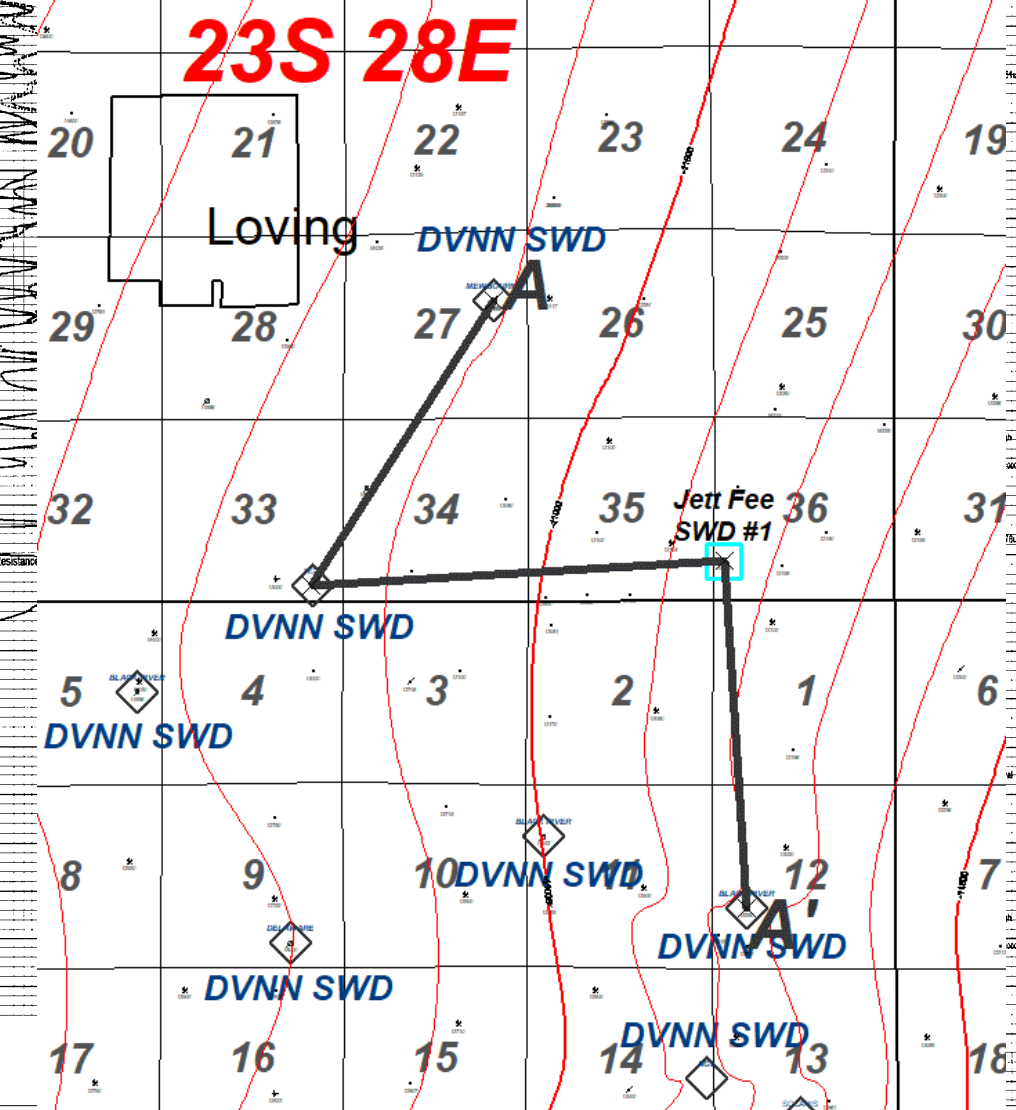
-500



Est Top Mississippian: 13775

Est Top Woodford: 14050

Est Top Devonian: 14175



Est Top Montoya: 15150
Est Top Simpson: 15500
Est Top Ellenburger: 16200

Jett 36
Fee SWD #1

MEWBOURNE OIL COMPANY
Jett 36 Fee SWD #1

PLUGGING RISK ASSESSMENT

5 ½" Flush Joint Injection Tubing Inside of 7 ⅝" Casing

Specs

5 ½" 17# P110 Flush Joint Tubing	OD (in)	ID (in)	Drift (in)	LINED ID (in)	FLARE DRIFT (in)
Coupling	N/A	N/A	N/A	N/A	N/A
Body	5.500	4.892	4.767	4.520	4.275
7 ⅝" 39# P110 Casing	OD (in)	ID (in)	Drift (in)	Wall Thickness (in)	5 ½" Flush Jt. Clearance (in)
	7.625	6.625	6.500	0.500	0.562

*All fishing procedures are subject to well conditions. Determinations are made onsite on a case by case scenario.

Overshot Fishing Procedure

A 6.625" O.D. Bowen Series 150 overshot (Assembly 8625) with a spiral grapple will be utilized to perform this overshot operation. ***NOTE: (The 6.625" O.D. will be turned down to 6.500" O.D. prior to commencing operation).** Details on the overshot are noted below.

Series 150 Overshots

Tools are listed in order of maximum catch size.

The following table shows only a partial listing of available NOV Dowhole Bowen® overshots.

NOTE: Nitralloy Grapples are available upon request.

Bowen Series 150 Releasing and Circulation Overshots Maximum Catch Size 4" to 5" Inclusive

Maximum Catch Size (Spiral)		4"	4"	4"	4"	5"	5"	5"
Maximum Catch Size (Basket)		3 ¾"	4"	4"	4"	4"	4"	4 ½"
Overshot O.D.		5 ⅝"	5 ⅝"	5 ⅝"	5 ⅝"	5 ⅝"	6 ⅝"	6 ⅝"
Type		F.S.	S.H.	S.H.	S.F.S.	S.H.	F.S.	S.H.
Complete Assembly	Part No.	5898	5898	C-5168	8975	C-5171	C-4825	8825
(Dressed Spiral Parts)	Weight	130	130	133	138	140	182	185
Replacement Parts								
Top Sub	Part No.	5897	5899	A-5169	8976	A-5172	B-4826	8826
Bowl	Part No.	5898	5700	B-5170	8977	B-5173	B-4827	8817
Packer	Part No.	109	1140	B-2199	8114	L-5050	L-4505	8818
Spiral Grapple	Part No.	185	1135	B-2201	8112	B-4369	M-1071	8819
Spiral Grapple Control	Part No.	186	1137	B-2202	8113	B-4370	M-1072	8820
Standard Guide	Part No.	187	1143	B-2203	8121	B-4371	L-1074	8821
Basket Parts								
Basket Grapple	Part No.	185	1135	B-2201	8112	B-4369	M-1071	8819
Basket Grapple Control	Part No.	186	1137	B-2202	8113	B-4370	M-1072	8820
Mill Control Packer	Part No.	186-R	1140-R	B-2199-R	8114-R	L-5050-R	M-4505	L-8818-R

In the Event of a Connection Break

1. If dressing is needed, trip in hole with a mill and mill connection to allow for (above listed) turned-down overshot to be latched onto the body of the tubing. If no milling is required, trip in hole with (above listed) turned-down overshot and latch onto fish.
2. Once latched onto fish, pick up string weight and straight pull to release Model R packer.
3. Once packer is released, trip out of hole with fish.

In the Event of a Body Break

1. If dressing is needed, trip in hole with a mill and mill tubing to allow for (above listed) turned-down overshot to be latched onto the body of the tubing. If no milling is required, trip in hole with (above listed) turned-down overshot and latch onto fish.
2. Once latched onto fish, pick up string weight and straight pull to release Model R packer.
3. Once packer is released, trip out of hole with fish.

*NOTE: (Wash pipe with a mill may be substituted for dressing off a break instead of a standard mill to ensure pipe stabilization and to ensure that the casing is not damaged due to milling.)

In the Event a Mill Cannot be Used

If an inadequate fishing neck is looking up and a mill cannot be used to dress the fish, a cutting tool may be utilized to cut off the damaged portion of tubing and a spear used to retrieve the cut-off piece. Once the cut-off piece is retrieved, the (above listed) turned-down overshot may be utilized to retrieve the fish and release the packer.

Spear Fishing Procedure

In the event the (above listed) turned-down overshot cannot be used or the fishing neck is inadequate, a spear may be used to spear into the fish. In the case of insert lined pipe, a smaller spear will be utilized to go inside the insert liner and pull out the lining. Once the lining has been removed, trip out of hole with insert liner. Pick up the proper sized spear for the pipe ID. Trip in hole with tubing spear, spear the fish, pick up string weight and straight pull to release the packer. Trip out of hole with fish and packer assembly.

7" Flush Joint Injection Tubing Inside of 9 5/8" Casing

Specs

7" 26# HCP110 Flush Joint Tubing	OD (in)	ID (in)	Drift (in)	LINED ID (in)	FLARE DRIFT (in)
Coupling	N/A	N/A	N/A	N/A	N/A
Body	7.000	6.276	6.151	6.080	5.815
9 5/8" 43.5# HCL80 Casing	OD (in)	ID (in)	Drift (in)	Wall Thickness (in)	7" Flush Jt. Clearance (in)
	9.625	8.755	8.599	0.435	0.877

*All fishing procedures are subject to well conditions. Determinations are made onsite on a case by case scenario.

Overshot Fishing Procedure

A Bowen Series 150 overshot (Assembly 9217) with a spiral grapple will be utilized to perform this overshot operation. Details on the overshot are noted below.

Bowen Series 150 Releasing and Circulation Overshots

Maximum Catch Size 6 5/8" to 7 1/4" Inclusive

Maximum Catch Size (Spiral)		6 5/8"	6 3/4"	7	7 1/4"
Maximum Catch Size (Basket)		5 7/8"	6 1/8"	6 5/8"	6 5/8"
Overshot O.D.		8 1/4"	7 3/4"	8 1/4"	8 5/8"
Type		F.S.	S.H.	S.H.	S.H.
Complete Assembly	Part No.	C-3032	C-5222	9217	C-5354
(Dressed Spiral Parts)	Weight	280	243	251	260

Replacement Parts

Top Sub	Part No.	A-3033	A-5223	9218	A-5355
Bowl	Part No.	B-3034	B-5224	9219	B-5356
Packer	Part No.	A-1814	B-5225	9224	B-5357
Spiral Grapple	Part No.	N-84	B-5227	9222	B-5359
Spiral Grapple Control	Part No.	M-89	A-5228	9223	B-5360
Standard Guide	Part No.	A-1818	A-5229	9226	A-5361

Basket Parts

Basket Grapple	Part No.	N-84	B-5227	9222	B-5359
Basket Grapple Control	Part No.	M-89	A-5228	9223	B-5360
Mill Control Packer	Part No.	A-1814-R	B-5225-R	9224-R	B-5357-R

In the Event of a Connection Break

1. If dressing is needed, trip in hole with a mill and mill connection to allow for (above listed) overshot to be latched onto the body of the tubing. If no milling is required, trip in hole with (above listed) overshot and latch onto fish.
2. Once latched onto fish, pick up string weight and straight pull to release Model R packer.
3. Once packer is released, trip out of hole with fish.

In the Event of a Body Break

1. If dressing is needed, trip in hole with a mill and mill tubing to allow for (above listed) overshot to be latched onto the body of the tubing. If no milling is required, trip in hole with (above listed) overshot and latch onto fish.
2. Once latched onto fish, pick up string weight and straight pull to release Model R packer.
3. Once packer is released, trip out of hole with fish.

*NOTE: (Wash pipe with a mill may be substituted for dressing off a break instead of a standard mill to ensure pipe stabilization and to ensure that the casing is not damaged due to milling.)

In the Event a Mill Cannot be Used

If an inadequate fishing neck is looking up and a mill cannot be used to dress the fish, a cutting tool may be utilized to cut off the damaged portion of tubing and a spear used to retrieve the cut-off piece. Once the cut-off piece is retrieved, the (above listed) overshot may be utilized to retrieve the fish and release the packer.

Spear Fishing Procedure

In the event the (above listed) overshot cannot be used or the fishing neck is inadequate, a spear may be used to spear into the fish. In the case of insert lined pipe, a smaller spear will be utilized to go inside the insert liner and pull out the lining. Once the lining has been removed, trip out of hole with insert liner. Pick up the proper sized spear for the pipe ID. Trip in hole with tubing spear, spear the fish, pick up string weight and straight pull to release the packer. Trip out of hole with fish and packer assembly.

Abandonment Procedure in-the-Event that Injection Tubing Cannot be Fished

The operator will need to ensure that geological formations are properly isolated to prevent future fluid communication. The operator will first insure that the injection tubing I.D. is open and clear. Once injection tubing I.D. is confirmed to be open and clear, run in hole with a wireline set profile plug and set plug inside of the packer assembly. This plug would allow for cement to fill both the I.D. of the injection tubing and the tubing-to-casing annulus to provide isolation between the different geological formations. Next, run in hole with wireline conveyed perforating guns and shoot perforations at the deepest depth that the injection tubing is still in the wellbore. Trip in hole with a workstring and latch onto the injection tubing with an overshot, spear, cement retainer or any other tool that would ensure a work string-to-injection tubing seal and allow the operator to pump cement down the remaining injection tubing. Rig up cement truck and cement the annulus between the injection tubing and casing to surface.