

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

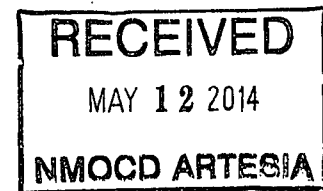
FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other2. Name of Operator **Mesquite SWD, Inc.**3a. Address
P.O. Box 1479, Carlsbad, NM 882213b. Phone No. (include area code)
575-706-18404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660 FSL & 660 FEL Sec. 11, T24S-R31E5. Lease Serial No.
SWD-649-B NMNM292346. If Indian, Allottee or Tribe Name
NA7. If Unit or CA/Agreement, Name and/or No.
AN8. Well Name and No.
Bran SWD #19. API Well No.
30-015-2569710. Field and Pool, or Exploratory Area
SWD: Bell Canyon-Cherry Canyon11. County or Parish, State
Eddy Co. NM**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Injection pressure increase
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request for Injection Pressure Increase (IPI) as submitted to NM OCD. Pressure test attached. Original NM OCD pressure permitted 975 psi. Approved and active present injection interval (OH) is 4874'-6740'. Requested new maximum IP is 1500 psi.

Accepted for record
NMOCD 105
5-14-14



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kay HavenorTitle **Geologist**Signature **Kay Havenor**Digitally signed by Kay Havenor
DN: cn=Kay Havenor, o=BLM, email=kay.havenor@blm.gov, c=US
Date: 2014.05.14 13:40:34 -0600

Date

05/14/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PET

Date

MAR 7 2014

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

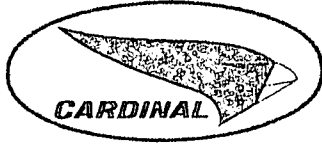
Office

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.

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**

(Instructions on page 2)

Step Rate Test



Cardinal Surveys Company

February 28, 2013

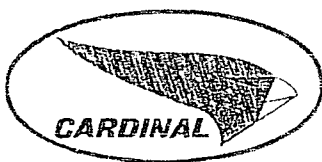
Mesquite
Brann No. 1 SWD

Eddy County, New Mexico
SC sc60166
Tool #

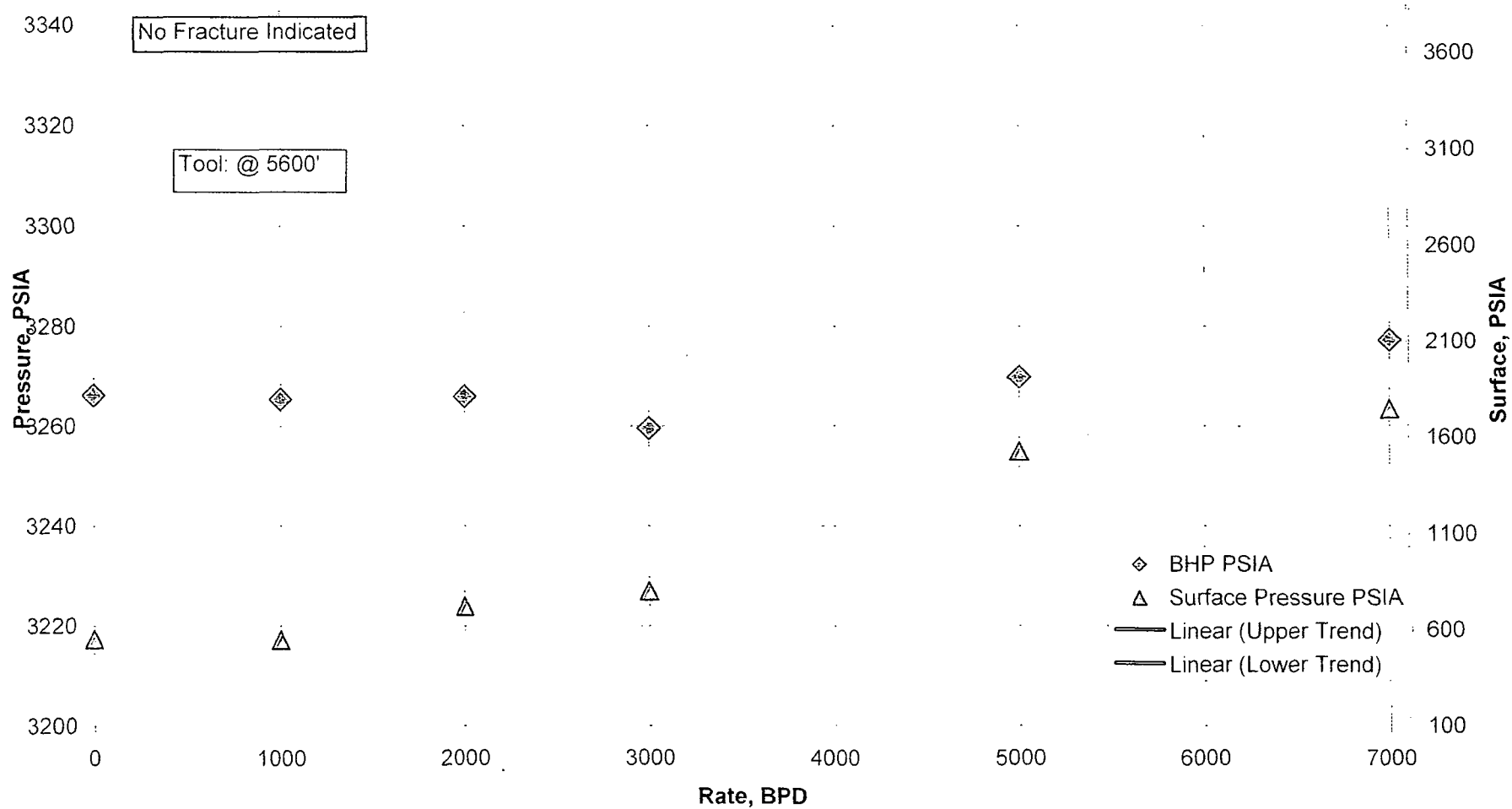
No Fracture Indicated
Ran out of water after
9000 BPD Step

Downhole PSI Tool Ser. No.
Surface PSI Gauge Ser. No.
Tool @ 5600'

	Start Time	End Time	Rate BPD	Comments
1	12:26 PM	12:30 PM		0 On Bottom
2	12:30 PM	1:00 PM	1000	
3	1:00 PM	1:30 PM	2000	
4	1:30 PM	2:00 PM	3000	
5	2:00 PM	2:30 PM	5000	
6	2:30 PM	3:00 PM	7000	
7	3:00 PM	3:30 PM	9000	
8	3:30 PM	3:37 PM		
9	3:40:00 PM	3:55:00 PM		0 Fall Off



Mesquite Brann No. 1 SWD
Step Rate Test 2-28-13



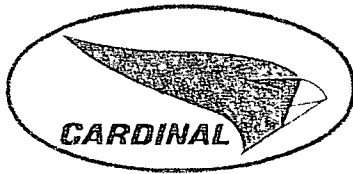
Step Rate Test

Mesquite
Brann No. 1 SWD



Eddy County , New Mexico

	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	B. H. Pressure PSIA	Surf PSIA	Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
1	12:26 PM	12:30 PM	4	0	0	3266.2	552.5	0	0.00	0		
2	12:30 PM	1:00 PM	30	1000	1000	3265.4	549	22	22.00	1056		
3	1:00 PM	1:30 PM	30	2000	1000	3265.9	723.6	63	41.00	1968		
4	1:30 PM	2:00 PM	30	3000	1000	3259.5	803.5	160	97.00	4656		
5	2:00 PM	2:30 PM	30	5000	2000	3269.8	1526.7	413	253.00	12144		
6	2:30 PM	3:00 PM	30	7000	2000	3277.2	1746.4	609	196.00	9408		
7	3:00 PM	3:30 PM	30	9000	2000				-609.00	-29232		
8	3:30 PM	3:37 PM	7		-9000				0.00	0		
9	3:40 PM	3:55 PM	15	0	-9000	3271.2	665.3	609	0.00			



Mesquite Brann No. 1 SWD
Step Rate Test 2-28-13

