

State of New Mexico
Oil and Gas Conservation
ARTESIA DISTRICT
NOV 17 2014
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-105
Revised August 1, 2011

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

1. WELL API NO.
30-015-24655

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.
B-8814-19

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC).

5. Lease Name or Unit Agreement Name
TWO FORK STATE SWD

6. Well Number:
001

7. Type of Completion:

☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ **RE-ENTRY** OTHER - CONVERT TO SALT WATER DISPOSAL

8. Name of Operator
RAY WESTALL OPERATING, INC.

9. OGRID
119305

10. Address of Operator
P.O. BOX 4, LOCO HILLS, NM 88255

11. Pool name or Wildcat
SWD;WOLFCAMP, STRAWN

12. Location	Unit Ltr B	Section 2	Township 18S	Range 28E	Lot	Feet from the 660'	N/S Line NORTH	Feet from the 2090'	E/W Line EAST	County EDDY
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce) 12/29/2013 - READY FOR DISPOSAL	17. Elevations (DF and RKB, RT, GR, etc.)
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18. Total Measured Depth of Well 10985'	19. Plug Back Measured Depth 10180'	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run GR-CBL
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22. Producing Interval(s), of this completion - Top, Bottom, Name
7214' - 9984' WOLFCAMP - STRAWN

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375"	55#	519'	17.5"	575 SXS	
8.625"	32#	2899'	11"	1150 SXS	
5.5"	17 + 20#	10985'	7.875"	1075 SXS "H"	3731'

***RAN 3731' NEW 5.5" 17 # CSG AND CSG PATCH TO TIE BACK 645 SXS CIRCULATED**

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8" I.P.C.	7133'	7139'

26. Perforation record (interval, size, and number) 7214'-30' 2 shots per foot 7812'-20' 476 HOLES 8016'-26' 8482-8512' 8563-83' 8832-48' 9034-56' 9066-9110' 9120-58' 9170-90' 9570-82' 9982-89'	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>7214'-9984'</td> <td>18,000 GALS 20% HCL ACID</td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	7214'-9984'	18,000 GALS 20% HCL ACID
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
7214'-9984'	18,000 GALS 20% HCL ACID				

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

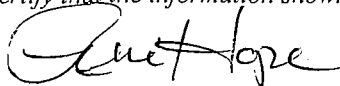
33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD 1927 1983

24655

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature



Printed

Name Rene Hope

Title: Bookkeeper

Date: 11/07/14

E-mail Address

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

**OIL OR GAS
SANDS OR ZONES**

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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Two Forks #1

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon <u>8753</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>9493</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
D. Salt <u>583</u>	T. Atoka <u>10,090</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>760</u>	T. Miss <u>10,798</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>1050</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>1703</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>2600</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Quartz _____
T. Glorieta <u>4292</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Ellinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilte _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>7120</u>	T. <u>Morrow-10,526</u>	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) <u>8573</u>	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>10,698</u> to <u>10,713</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet
No. 2, from _____ to _____	feet
No. 3, from _____ to _____	feet
No. 4, from _____ to _____	feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
583	760	177	TANSILL	10,090	10,526	436'	ATOKA
760	1050	290	YATES				
1050	1703	653	SEVEN RIVERS	10,526	10,798	272'	MORROW
1703	2600	897	QUEEN				
2600	4292	1692	SAN ANDRES				
4292	4507	215	GLORIETA				
4507	7120	2613	BONE SPRINGS				
7120	8573	1453	WOLFCAMP				
8573	8753	180	CISCO				
8753	9493	740	CANYON				

P-103 info
30-015-24655

RAY WESTALL OPERATING, INC. - WELL REPORT

TWO FORKS STATE # 1 SWD **RE-ENTRY START DATE 07/28/14**

1. CLEAN OUT CEMENT PLUGS TO TOP OF CSG STUB @ 3727'. DRESSED OFF CSG STUB TO 3731'. RAN NEW 5 1/2", 17#, N80 CSG AND CSG PATCH TO TIE 5 1/2" CSG BACK TOGETHER.

2. PERFORATE 5 1/2' CSG AT 3734' (2 HOLES). PUMPED 695 SXS CLASS "C" CEMENT. CIRCULATED 50 SXS CEMENT TO PIT. W.O.C. 12 HRS. TEST CSG TO 500 PSI, TEST OKAY.

3. RESUME DRILLING CEMENT PLUGS TO 10180' TAG SOLID ON CEMENT PLUG. (10180' NEW PBTD).

4. PERFORATE WOLFCAMP, CISCO, CANYON AND STRAWN FORMATIONS. INTERVALS SHOWN BELOW: (ALL PERFS ARE 2 SPF)

7214' - 7230'
7812' - 7820'
8016' - 8026'
8482' - 8512'
8563' - 8583'
8832' - 8848'
9034' - 9056'
9066' - 9110'
9120' - 9058'
9170' - 9190'
9570' - 9582'
9982' - 9984'

5. TREAT PERFORATIONS WITH 18000 GALLONS 20% HCL ACID WITH CORROSION INHIBITOR.

6. RAN NICKLE PLATED AS-IX PACKER AND 2 7/8" SALTA LINED TBG. SET PACKER AT 7139'. 20-K ON PACKER.

7. 10/31/14 PERFORMED M.I.T. TEST. TEST WAS SUCCESSFUL. SENT CHART TO RICHARGE INGE O.C.D DISTRICT 2.

8. PREP TO BUILD TANK BBATTERY FACILITY AND INJECTION PUMP. WILL NOTIFY O.C.D. DISTRICT 2 OFFICE OF FIRST DISPOSAL OPERATIONS.

OSD

PAR FIVE

DESIGN – EXECUTE – EVALUATE – REPORT

5 ½ Liner

**Ray Westall Operating, INC
Two Forks State #1 SWD
Eddy County, New Mexico**

**NM OIL CONSERVATION
ARTESIA DISTRICT**

NOV 17 2014

RECEIVED

Prepared By: Stephen Moffett

Cementer

Artesia District

1-(575)-513-9345

August 1, 2014

PAR FIVE

ENERGY SERVICES LLC

Cementing Service Report

Treatment Number 2886	Date: 8-1-2014
STAGE	API. NO

WELL NAME AND NO. Two Forks State #1 SWD	LOCATION(LEAGAL)	RIG NAME: Pulling Unit
FIELD/POOL	FORMATION	WELL DATA:
COUNTY/PARISH: Eddy	STATE: NM	PO#
Company Name: Ray Westall Operating, INC		BIT SIZE 7 7/8
Job Type: Liner		CSG/Liner Size 5.5
ADDRESS		TD
ZIP CODE		WEIGHT 17
SPECIAL INSTRUCTIONS		FOOTAGE 3731
		GRADE J-55
		MUD TYPE
		THREAD 8RND
		MUD DENSITY
		Shoe Joint
		MUD VISC
		Disp. Capacity 87
		NOTE: Include Footage From Ground Level To Head in Disp. Capacity

IS CASING/TUBING SECURED? YES	TOTAL
Diff PRESSURE: 1253 PSI	CASING WEIGHT + SURFACE AREA (3.14 X R ²)
PRESSURE LIMIT: 4000 PSI	
BUMP PLUG TO: 500#'s Over	
	NO. OF CENTRALIZERS
	ANNUAL VOLUME

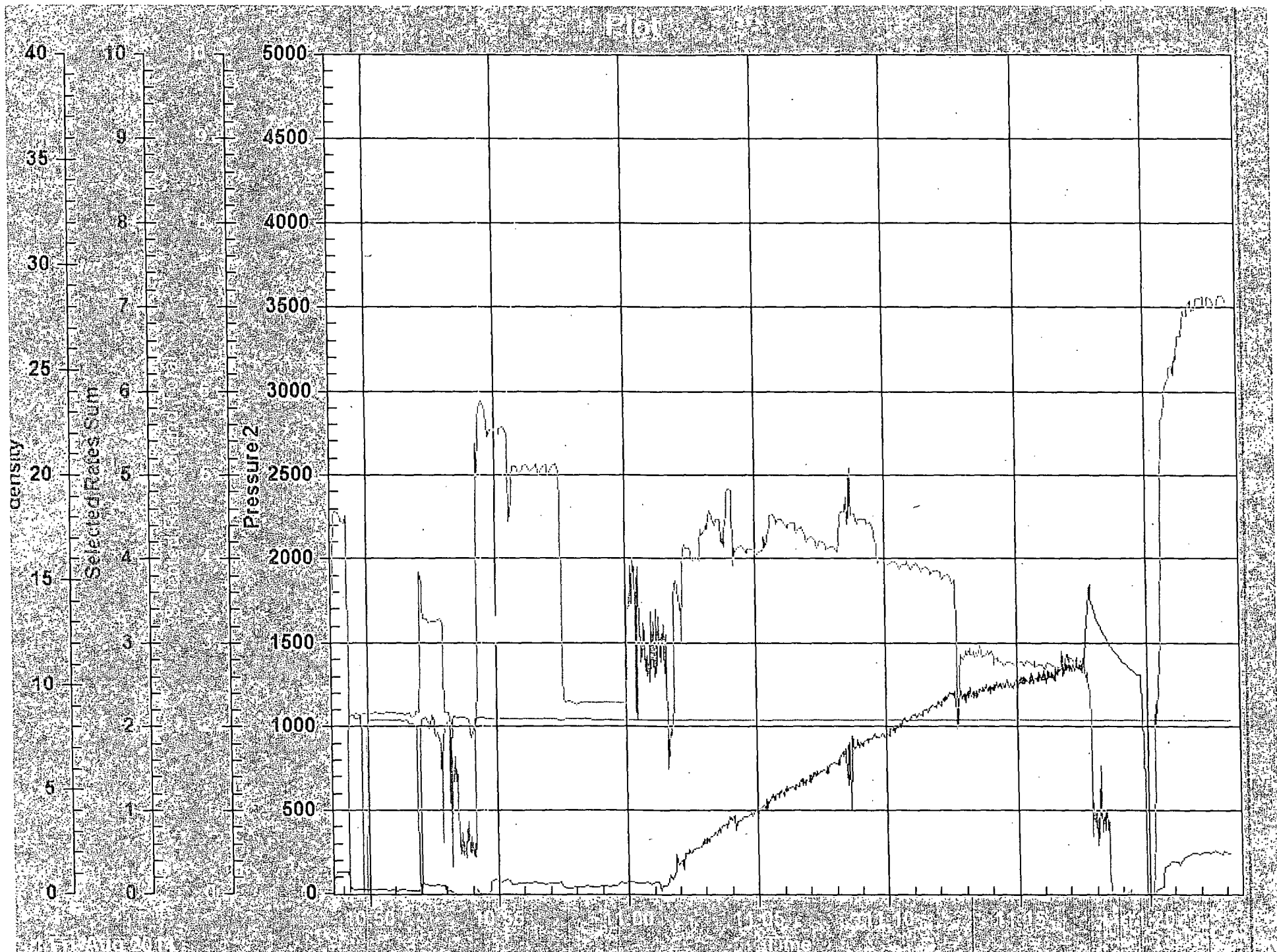
TIME: 0001		PRESSURE		VOLUME PUMPED		JOB SCHEDULED FOR			TIME:		ARRIVED ON LOCATION				LEFT LOCATION												
TO 2400		T.B.G. OR D.P.		C.A.S.I.N.G.		S.A.C.K.S.		B.B.L.S.		R.A.T.E.		F.L.U.I.D. TYPE		F.L.U.I.D. DENSITY		TIME: 0830		DATE: 8-1-2014		TIME: 1215		DATE: 8-1-2014					
												SERVICE LOG/DETAIL															
8:35												Hazard Assessment of location and test H2O-Good															
8:40 XXX												Spot trucks and rig up															
9:15 XXX												Finished Par-Five rig up															
9:45 XXX												Pre-job Safety meeting															
9:55 XXX												Rig up floor															
10:00 XXX												4240		0.5		0.5		H2O		8.34		Line test!					
10:04 XXX												136		10		4		H2O		8.34		Spacer ahead					
10:08 XXX												235		645		152		4.5		Cement		14.8		Lead slurry			
10:46 XXX												Shut down--wash up to the pit-- Drop plug															
10:53 XXX												1185		77		4.5		H2O		8.34		Displacement					
11:13 XXX												1340		7		3		H2O		8.34		Slow rate to bump the plug					
11:15 XXX												2000		Shut backside in at 82 Bbl. Gone and pressured up backside per company man													
XXX												Shut down at 84 Bbl. Gone and shut head in per company man															
11:30 XXX												Rig down Safety meeting															
XXX												Computer restarted and did not get job on chart but did get displacement															
XXX												Circulated 12 Bbl. Or 50 sacks of cement to surface															
XXX																											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLS	DENSITY
1	645	1.33	Lead slurry: "C" + .1% PF13				152	14.8
2								
3								
4								
5								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	0	MIN.
HESITATION SQ.	RUNNING SQ.	CIRCULATION LOST	NO	Cement Circulated To Surf.	Yes	
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	84	Bbls.
Washed Thru Perfs	Yes	No	TO	FT.	MEASURED DISPLACEMENT	WIRELINE
PERFORATIONS						
TO	TO					
TO	TO					

CUSTOMER REPRESENTATIVE	Service Supervisor
Mr Donnie Matthews	Stephen Moffett





WELL SCHEMATIC

Two Forks State SDD #1

API # 30-015-24655

Spud Date:

Re-Entry Date:

Annulus Monitored
or open to atmosphere

Injection Pressure Regulated
and Volumes Reported

RAY WESTALL OPERATING, INC.

Surface Casing

13.375", 55.5# csg. (17.5" hole)
@ 519'

575 sx - circulated to
surface.

Intermediate Casing

8.625", 32# csg. (11" hole)
@ 2899'

1150 sx circulated to
surface

NEW Production Casing

3731' Ran new csg
+ csg. patch

5.5" 17# csg.

645 sx circulated to
surface.

PK set @ 7139'

Annulus Loaded
w/ Inert Packer Fluid

Wolfcamp

7214-30
7812-20
9016-26

8482-8512
8563-83 } 2 shots/ft

Canyon

8832-48
9034-56
9066-9110

9120-58
9170-90 } 2 shots/ft.

Strawn

9570-82
9982-84

> 2 shots/ft.

PBTD @ 10,180' - Tagged cement

Production Casing

5.5", 17# + 20# csg. (7.87" hole).
@ 10,985'

DTD @

10,985

McKee Consulting Services, Inc.

PO BOX 188 ARTESIA, NM 88211-0188

(505) 746-9085 Mobile (505) 746-7120 Fax (505) 746-1708

FIELD TICKET #
JC221FT

Company

RAY WESTALL
PO BOX 4
LOCO HILLS, NM
88255

Date

8/27/2014

Lease

TWO FORKS ST. #1 SWD

County

EDDY

State

N.M.

API #

P.O. #

LOCO HILLS, NM 88255

Contractor

L/R

Description of Services 5 1/2 NICKLE PLATED ARROWSET SOLD TO CUSTOMER & SET

	<u>Description</u>		<u>Price</u>	<u>Amount</u>
2101	MILEAGE	50 MI.-1 EA	\$2.17/MI	\$108.50
S-1010	T-2 ON & OFF TOOL(NICKLE PLATED)	1 EA	\$3,353.00	\$3,353.00
	SALE 2.31 "F" STAINLESS STINGER			
S-2202	5 1/2 X 2 7/8 AS-1X (10K) NP PACKER	8470 FT 1 EA	\$6,980.00	\$6,980.00
4109	SERVICE MAN-SPACE OUT & SET 5 1/2"	1 EA	\$700.00-105	\$630.00
	NICKLE PLATED PACKER			

SET 5 1/5 AS-1 N/P PACKER @ 7139 219JTS
TOP PERF @7214
20-15 K ON PACKER

FIELD TICKET

THANK YOU

Subtotal \$11,141.50
Discount \$70.00
Tax
Total

\$11,071.50

JAMES COMBS

X

DONNIE MATHEWS