

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		State of New Mexico NM OIL CONSERVATION Energy, Minerals and Natural Resources ARTESIA DISTRICT NOV 10 2014 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG					1. WELL API NO. 30-015-24655 2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN 3. State Oil & Gas Lease No. B-8814-19					
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 - 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.)		
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		
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										
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		
25. TUBING RECORD										
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. 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		

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

Rene Hope

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 8753	T. Ojo Alamo	T. Penn A"
T. Salt 583	T. Strawn 9493	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka 10090	T. Fruitland	T. Penn. "C"
T. Yates 760	T. Miss 10798	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1050	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1703	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2600	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 4292	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry	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 7120	T. Morrow 10526	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C) 8573	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 quadruplicate 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	8753	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	9493	T. Kirtland-Fruitland	T. Penn. "C"
E. Salt	T. Atoka	10,090	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	10,798	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Quate
T. Glorieta	T. McKee		Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger		T. Dakota	T.
T. Blinberry	T. Gr. Wash.		T. Morrison	T.
T. Tubb	T. Granite		T. Todilto	T.
T. Drinkard	T. Delaware Sand		T. Entrada	T.
T. Abo	T. Bone Springs		T. Wingate	T.
T. Wolfcamp	T. Morrow	10,526	T. Chinle	T.
T. Penn.	T.		T. Permian	T.
T. Cisco (Bough C)	T.		T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from	10,698	to	10,713	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				

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 10 2014

RECEIVED

Prepared By: Stephen Moffett

Cementer

Artesia District

1-(575)-513-9345

August 1, 2014

**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	PO#	WELL DATA: BOTTOM TOP	
COUNTY/PARISH: Eddy	STATE: NM	AFE. NO	BIT SIZE 7 7/8	CSG/Liner Size 5.5
			TD	WEIGHT 17
				FOOTAGE 3731
				GRADE J-55
			MUD TYPE	THREAD 8RND
Company Name: Ray Westall Operating, INC			MUD DENSITY	Shoe Joint
			MUD VISC	Disp. Capacity 87
Job Type: Liner			TOTAL	

ADDRESS	ZIP CODE	NOTE: Include Footage From Ground Level To Head In Disp. Capacity	
SPECIAL INSTRUCTIONS		FLOAT TYPE	Insert
		DEPTH	
		SHOE TYPE	Guide
		DEPTH	
IS CASING/TUBING SECURED? YES		TBG D.P.	SQUEEZE JOB
		SIZE	TOOL TYPE
		WEIGHT	DEPTH
Diff PRESSURE: 1253 PSI	CASING WEIGHT ÷ SURFACE AREA (3.14 x R ²)	GRADE	TAIL PIPE: SIZE DEPTH
PRESSURE LIMIT: 4000 PSI		THREAD	TUBING VOLUME Bbls
BUMP PLUG TO: 500#'s Over		NEW USED	CASING VOL. BELOW TOOL Bbls
		DEPTH	TOTAL Bbls
	No. of Centralizers		ANNUAL VOLUME Bbls

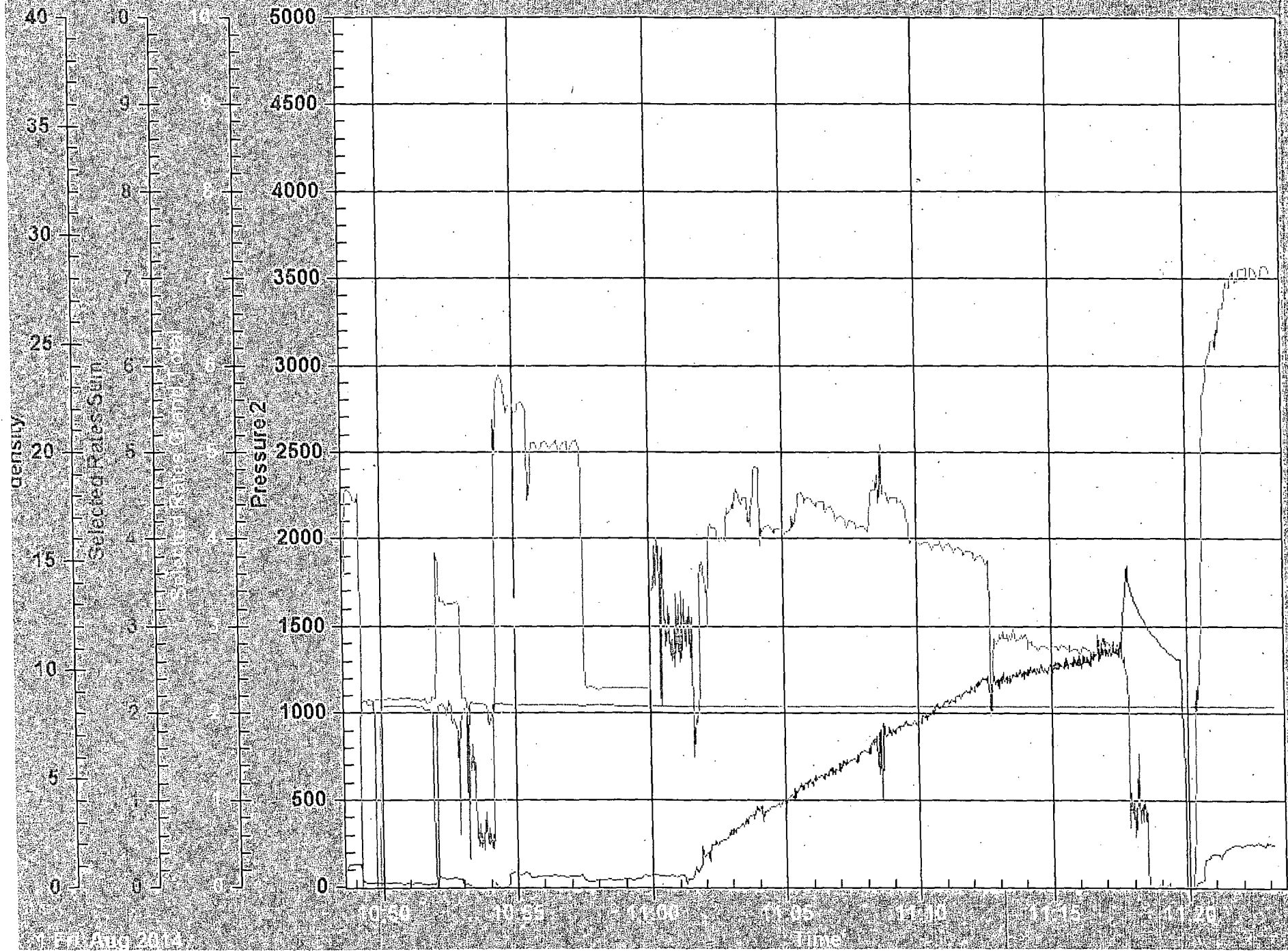
TIME	0001	010	2400	IPRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR	TIME	ARRIVED ON LOCATION	LEFT LOCATION
TIME	0800	DATE: 8-1-2014	TIME	0830	DATE: 8-1-2014	TIME	1215	DATE: 8-1-2014	
TBG OR D.P.	CASING	SACKS	BBLS	RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL		
8:35							Hazard Assessment of location and 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
1	645	1.33	Lead slurry: "C" + .1% PF13	BBLS 152 DENSITY 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				CUSTOMER REPRESENTATIVE	Service Supervisor		
TO		TO		Mr Donnie Matthews	Stephen Moffett		
TO		TO					

Plot





WELL SCHEMATIC

Two Forks State SDD #1

API # 30-015-24655

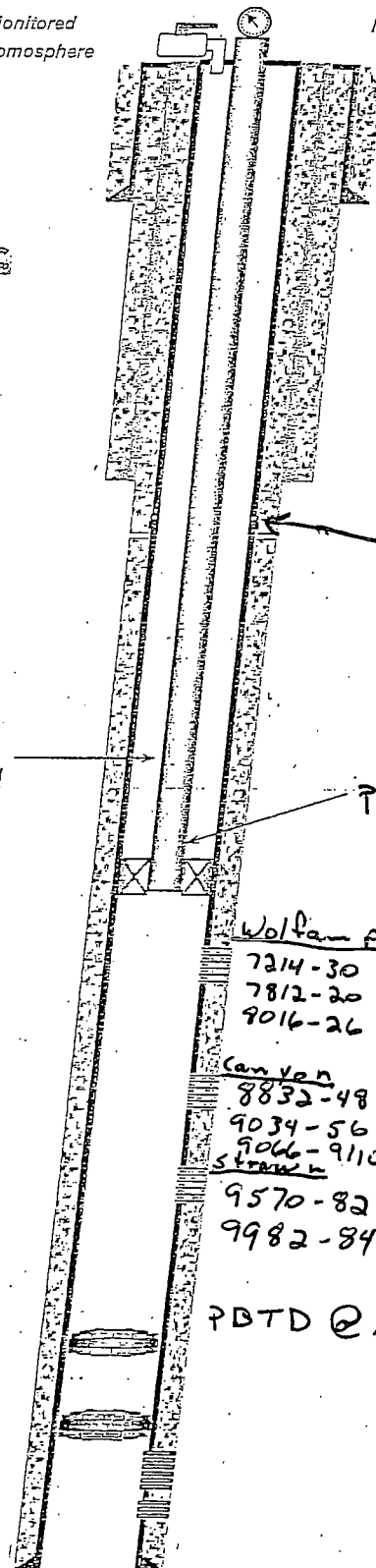
Spud Date:
Re-Entry Date:

Annulus Monitored
or open to atmosphere

Injection Pressure Regulated
and Volumes Reported

RAY WESTALL OPERATING, INC.

Annulus Loaded
w/ Inert Packer Fluid



Surface Casing

13.375", 55# Lsg (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'

Wolfcamp

7214-30
7812-20
9016-26

8482-8512
8563-83 } 2 shots/ft

Canvan

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# Lsg. (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

API #

State

N.M.

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