

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

SF-078139

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

8. Well Name and No.

E. E. Elliott SWD /

9. API Well No.

30-045-27799

10. Field and Pool, or Exploratory Area

WC Morrison/Bluff/Entrada

11. County or Parish, State

San Juan, New Mexico

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other Salt Water Disposal Well

2. Name of Operator

Amoco Production Company ATTN: J.L. HAMPTON

3. Address and Telephone No.

P. O. Box 800 Denver, Colorado 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1270' FNL, 580' FWL NW/NW Sec. 26, T30N, R9W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Completion

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached completion operations for the subject Salt Water Disposal Well

Please contact Cindy Burotn (303) 830-5119 if you have any questions.

ACCEPTED FOR RECORD

OCT 22 1991

FARMINGTON RESOURCE AREA

34

14. I hereby certify that the foregoing is true and correct

Signed

Title Sr. Staff Admin. Supervisor

Date

10/1/91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

11/9/90. TIH AND TAG DV TOOL. SET 15000# WEIGHT ON TOOL WHILE CIRCULATING. PRESSURE UP TO 1000#. WOULD NOT CIRCULATE UP 9 5/8". SET 35000# WEIGHT ON PLUG TO CLOSE TOOL. TEST PLUG TO 1500# FOR 30 MINUTES. NO BLEED OFF. DRILL OUT DV TOOL.

CLEAN OUT TO 8341' AND DRILL OUT CEMENT STRINGERS AND HARD CEMENT TO 8445' PBTD, AND CIRCULATE HOLE CLEAN..

11/15/90 PERFORATE ENTRADA FORMATION

8330' - 8418' WITH 4 JSPF, .66" DIAM., 348 SHOTS, OPEN
 8280' - 8310' , , 120 SHOTS, OPEN
 8202' - 8250' , , 96 SHOTS, OPEN

11/24/90 FRAC ENTRADA

FRAC ENTRADA DOWN 7" CASING WITH 70000 GAL. 40# X-LINK GEL PAD, 242900 # 20/40 BRADY SN IN 85,932 GAL. 30# X-LINKGELLED 1% KCL WATER. FLUSH WITH 311 BBL. AVG. INJ PRESSURE 1200 PSI, AIR 45 BPM.

11/27/90 PERFORATE BLUFF FORMATION

7924' - 7958' WITH 4 JSPF, .66 IN. DIAM., 320 SHOTS, OPEN
 7968' - 8048' , , 136 SHOTS, OPEN

11/30/90 FRAC BLUFF

FRAC BLUFF FORMATION WITH 70,000 GAL. 30# X-LINK GELL WATER PAD, 232,000 # 20/40 BRADY SAND IN 81,500 GAL 30# X-LINK GELLED 1% KCL WATER. FLUSH WITH 300 BW. AIP 2030, AIR 45.3 BPM

12/3/90 PREPARE TO RUN CEMENT RETAINER. SET RBP AT 7810'. DUMP 2 SX SN ON TOP. PRESSURE TEST TO 2000#. HELD. RUN 4" CASING GUN AND PERF 7694' - 96' WITH 8 HOLES. TIH WITH CEMENT RETAINER. SET AT 7604'. TEST TBG 2000 PSI, TEST CSG 500 PSI, ESTABLISH INJ. RATE 4 BPM AT 800 PSI. SQUEEZE WITH 700 SX CLASS G WITH ADDITIVES. PULL UP 10' AND RUN OUT 1 BBL GOOD CEMENT. RUN TEMP. SURVEY: TOP OUTSIDE 7" CASING APPROX. AT 5427' (AT 9 5/8" CASING SHOE). DRILL CEMENT 7594' - 7604' AND CEMENT RET. 7604' - 7606' AND CEMENT 7606' - 7627'. DRILL OUT CEMENT. CIRCULATE CLEAN. RUN CBL: TOC OUTSIDE 7" AT 5910'. TIH WITH TUB AND SPOT 100 SX CLASS G NEAT CEMENT OVER SQUEEZE PERFS AT 7694' - 96'. REVERSE OUT 2 BBLS COLORED WATER. PRESSURE TEST SQUEEZE TO 1000 PSI. NO BLEED OFF. DRILL OUT CEMENT AND CIRCULATE HOLE CLEAN. TEST SQUEEZE TO 1500 PSI. HELD. DRILL CEMENT TO 8422'. PRESSURE TEST TO 1000 PSI. DOWN TO 150 PSI IN 15 MIN.

12/18-21 ESTABLISH INJECTION ON THE ENTRADA AND BLUFF FORMATIONS. ACIDIZE PERFS WITH 300 GAL. 15% HCL ACID TO 8408'. REVERSE ACID TO PIT. TEST PUMP AND LINE TO 5000 PSI. OK. EST. INJ RATE THRU CONTROL VALVE AT 960 PSI, SPOT 900 GAL 15% HCL TO PACKER SET AT 8408'-18, PUMP 100 GAL. ACID AT 3.2 BPM AT 3000 PSI, ISIP 1800 PSI, PSA 8398'-8408'. PUMP 100 GALS ACID AT 3.6 BPM AT 2700 PSI, ISIP 550 PSI. PSA 8388'-98'. PUMP 100 GAL ACID AT 3.9 BPM AT 2335 ISIP. PSA 8378'-88'. PUMP 100 GAL ACID AT 3.0 BPM AT 2500 PSI ISIP 0.

12/21/90 CONT.
RESET PKR AT 8325'. UNABLE TO PUMP INTO FORMATION AT 2800 PSI, MOVE
PKR TO 7865'. PUMP VIA CASING AT 8.5 BPM AT 760 PSI FOR 100 BBLs.
TEST CASING TO 1500 PSI TO SURFACE FROM PKR SET AT 7865' TO SURFACE
FOR 5 MIN. HELD.

12/22/90 SPOT 500 GAL 15% HCL TO PACKER WITH 10' SPACINGS. PUMP
100 GALS AT EACH SETTING TO 8200'. 170 GALS AT EACH SETTING 8038'-
7968' (8 SETS), 218 GAL AT EACH SETTING 7948'-7918' (4 SETS). ALL
PERFS ACIDIZED. MOVE PKR TO 7853'. EST. INJ. RATE VIA CASING AT
10.5 BPM AT 700 PSI FOR 100 BBLs. SWAB WELL

12/30/90 PERFORATE MORRISON FORMATION

7564' - 7584'	W/4 JSPF, .78" DIAM.,	80 SHOTS, OPEN
7593' - 7608'	,	60 SHOTS, OPEN
7618' - 7652'	,	136 SHOTS, OPEN
7658' - 7668'	,	40 SHOTS, OPEN
7684' - 7724'	,	160 SHOTS, OPEN
7730' - 7764'	,	136 SHOTS, OPEN

1/3/91 FRAC MORRISON FORMATION
FRAC DOWN CASING WITH 399,000 GAL 30# X-LINK GEL PAD. FOLLOW WITH
120,910 # 20/40 SN, 441,000 GAL X-LINK GEL FRAC WATER. AIR 35 BPM,
AIP 2050 PSI.

1/12/91 RAN 3 1/2" 9.3# N80 ABC MODIFIED TUBING. SET AT 7472'.
TEST 7" X 3 1/2" ANNULUS WITH 500 PSI FOR 30 MIN. OK
NMOCD ON LOCATION.



Remedial

PACRLog

Company Amoco Prod. Co
Well Pitchford sub #1 Field BASTN
District Enclave SIR 15-06-3354
Type Service 220 20' 246'
Engineer SS VENA RIVERA
Date/Time Start Job 11-3-90 2030
Remarks 930 SPS of 26SI 1/4" 29/38

PRESENT CALIBRATIONS OF UNIT 1

Pressure maximum : 15000 PSI for 10 V
Pressure minimum : 0 PSI for 2 V

Density maximum : 25 PPG for 10 V
Density minimum : 5 PPG for 0 V

Downhole K factor: 0.574 mBBL/pulse
Mixing K factor : 0.324 mBBL/pulse

Aux. Pressure max: 15000 PSI for 10 V
Aux. Pressure min: 0 PSI for 2 V

Aux. 2 maximum : 10 for 10 V
Aux. 2 minimum : 0 for 0 V

UPDATED CALIBRATIONS OF UNIT 1

Pressure maximum : 15000 PSI for 10 V
Pressure minimum : 0 PSI for 1.98 V

Density maximum : 25 PPG for 10 V
Density minimum : 5 PPG for 0 V

Downhole K factor: 0.466 mBBL/pulse
Mixing K factor : 0.324 mBBL/pulse

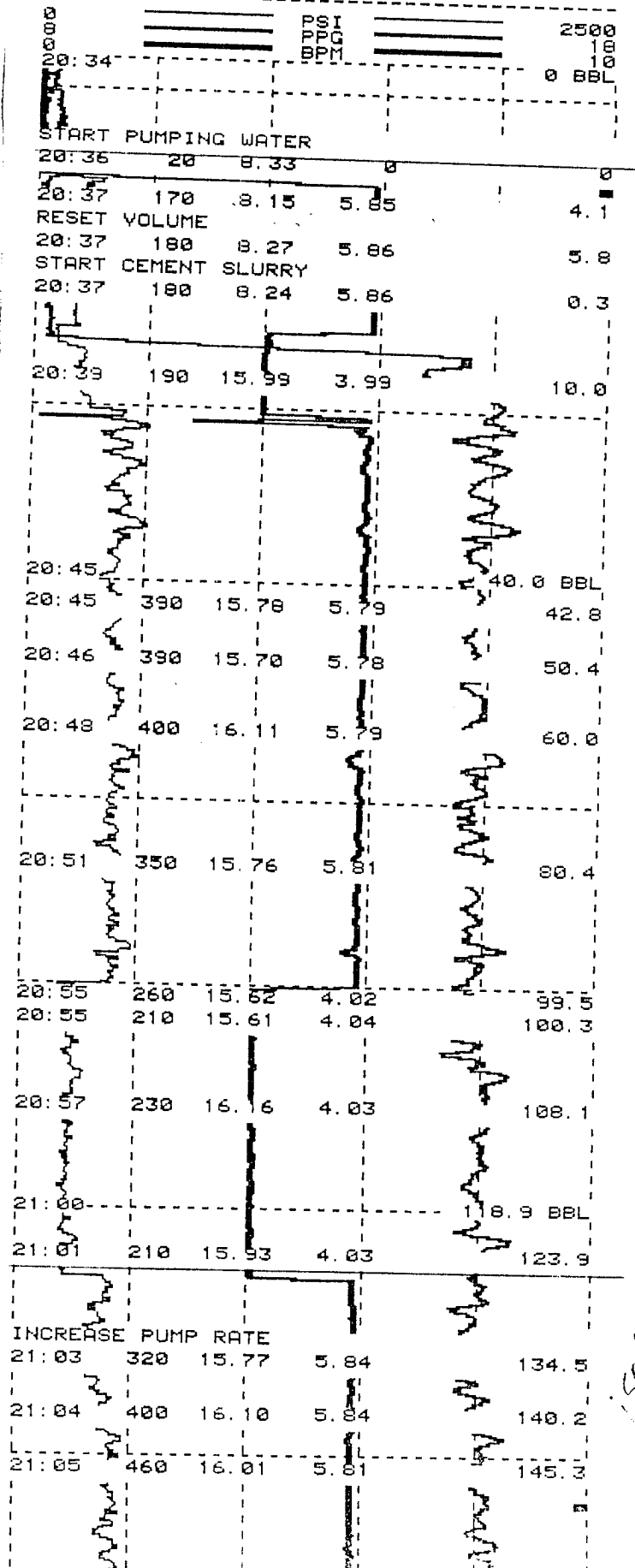
Aux. Pressure max: 15000 PSI for 10 V
Aux. Pressure min: 0 PSI for 2 V

Aux. 2 maximum : 10 for 10 V
Aux. 2 minimum : 0 for 0 V

Curve 1 : Unit 1 Pressure
Curve 2 : Unit 1 Density
Curve 3 : Unit 1 Total Flow rate
Curve 4 : Disabled

Curve 3 : Unit 1 Total Flow rate
Curve 4 : Disabled

Volume is computed from :
Unit 1 Total Flow rate
Scan Period (Sec) : 3
Real Time : Recording Rate is 1 second



INCREASE PUMP RATE				
21:03	320	15.77	5.84	134.5
21:04	400	16.10	5.84	140.2
21:05	460	16.01	5.81	145.3
21:10	420	16.00	5.80	175.3
21:11	370	15.91	5.83	179.2
LOWER PUMP RATE				
21:11	230	16.44	4.03	180.0
21:13	280	16.55	4.02	191.1
21:14	170	15.97	3.43	193.7
END CEMENT SLURRY				
21:14	60	15.19	0	193.9
RESET VOLUME				
21:15	30	14.11	0	193.9
START DISPLACEMENT				
21:15	20	14.16	0.04	0
21:15	100	14.05	3.56	1.3 BBL
END DISPLACEMENT				
21:16	10	13.97	0	2.7
21:25	0	5.00	0	2.7
END JOB				

BASIC ACQUISITION MODE

CEMENT JOB

REAL-TIME MODE - OIL UNITS

DATE: 03/11/90

TIME: 21:25

CUSTOMER Amco Production TICKET NO. 1421
 JOB TYPE Square DATE 12-8-96

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
08:15							On Location, Safety meeting
08:30							Spot & "Rig-up" Equipment
08:40							Start Throwing Air lines on 5363
09:10							Air system OK, Start Throwing out Valves on 5363
09:30							Prime up Truck to do Job
09:50	1	1 1/2			0	0	Pump to load H ₂ O - Shut Down. Loaded
09:52	3				400	400	Mix and Pump 100 SKS Prem. Out @ 15.8 H ₂ O/GAL
09:59	4	20 1/2			200	200	Switch to Displacement
10:10		41 1/2			0	0	Displacement in, POOH 700' to Squeeze
10:31	4				600	600	Rev. out to Be Safe
10:42		45"	H ₂ O				Shut Down
10:45	1 1/2	4					Pump to Squeeze
10:49					1000	1000	Shut Down Watch Pst
11:05					1000	1000	Holding Tight
11:10					1000	1000	Close in, Well Head, Breakdown Truck
							Job Complete Thank you for Calling Halliburton Services Jim, Out & over