

Submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells

1. Type of Well Oil	5. Lease Number NM - 40637
2. Name of Operator MW Petroleum c/o Apache Corporation	6. If Indian, All. or Tribe Name N/A
3. Address & Phone No. of Operator 304 N. Behrend, Farmington, NM 87401 505-325-0318	7. Unit Agreement Name N/A
4. Location of Well, Footage, Sec., T, R, M 1660' FNL and 1790' FWL Sec. 14, T-24-N, R-2-W, NMPM <del>and F</del>	8. Well Name & Number Oso Canyon Federal A #1
	9. API Well No. 30-039-23522
	10. Field and Pool Gavilan Mancos / Dakota
	11. County & State Rio Arriba County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Apache Corporation for MW Petroleum, plugged and abandoned the above well on June 12, 1997 per the attached Plug and Abandonment Report.

RECEIVED  
JUN 27 1997

OIL CON. DIV.  
DIST. 3

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

Signed Stan Phillips Title Production Foreman Date 6/13/97

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Chief, Lands and Mineral Resources Date JUN 26 1997

CONDITION OF APPROVAL, if any:

submit Final Abandonment after seeding / rehab (veg -  
(app 6 months - 1 year) to show successful restoration.

Free surface - landowner concurrence.

# A - PLUS WELL SERVICE, INC.

P.O. BOX 1979  
FARMINGTON, NM 87499  
505-325-2627 • FAX: 505-325-1211

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## Apache Corporation

1660' FNL, 1790' FWL, Sec. 14, T-24-N, R-2-W  
Rio Arriba County, NM.  
NM - 40637

June 13, 1997

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## Plug & Abandonment Report

### Cementing Summary:

**Plug #1** with CIBP at 7860', spot 20 sxs Class B cement to 7670' to isolate Dakota perms and top.

**Plug #2** with CIBP at 6685', spot 12 sxs Class B cement to 6687' to isolate Gallup perms and top.

**Plug #3** with 18 sxs Class B cement inside casing from 5145' to 4982' to cover Mesaverde top.

**Plug #4** with 57 sxs Class B cement inside casing from 3404' to 2890' to cover Pictured Cliffs, Fruitland and Ojo Alamo tops.

**Plug #5** with 19 sxs Class B cement inside casing from 1519' to 1350' to cover Nacimiento top.

**Plug #6** with 136 sxs Class B cement from 359' to surface, circulate 1 bbl good cement to surface.

### Plugging Summary:

Notified Rio Puerco BLM am on

- 6-5-97 Road rig to location. Spot equipment on location. RU rig and equipment. PU on rods and unseat pump; well already blown down. POH and LD polish rod and 64 7/8" rods. Shut in well. SDFD.
- 6-6-97 Safety Meeting. RU rod tongs. Open up well, no pressure. POH and LD additional 40 7/8" rods and 211 3/4" rods and pump. Total 104 7/8" rods, 211 3/4" rods, 7890'. RD rod tongs and floor. ND wellhead. PU on tubing and ND tubing hanger. Strip on BOP and NU; test OK. RU rig floor. PU on 2-7/8" tubing and release anchor. POH with 10 stands. Shut in well. SDFD.
- 6-9-97 Safety Meeting. Finish POH with 2-7/8" tubing, total 258 joints, 7941'. RU A-Plus wireline truck. RIH with 5-1/2" wireline CIBP and attempt to set at 7860'; wouldn't set. POH and repair wireline setting tool. RIH with 5-1/2" wireline CIBP and set at 7860'. RIH with 2-7/8" tubing to 6688'. Shut in well. SDFD.
- 6-10-97 Safety Meeting. Open up well, no pressure. Continue to RIH with tubing; tag CIBP at 7855'. PUH to 7853'. Attempt to pump down tubing, after 6 bbls water tubing pressured up to 2500#. paraffin plug in tubing. PUH to 6625' and attempt to pump down tubing; same results. POH to 6011' and LD 14 plugged joints; pump paraffin out at surface. PU tubing off float and RIH to 7853'. Plug #1 with CIBP at 7860', spot 20 sxs Class B cement to 7670' to isolate Dakota perforations and top. POH with tubing and shut in well. SDFD.

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## Plug & Abandonment Report

### Plugging Summary Continued:

6-11-97 Safety Meeting. Open up well, no pressure. RU A-Plus wireline truck. RIH and tag cement at 7298'. Called BLM and received OK for this plug from D. Sitzler with BLM. PUH to 6685' and set 5-1/2" wireline CIBP. Connect pump line to bradenhead and attempt to pressure test surface annulus to 300#, did not test; could pump 2 bpm at 300# into bradenhead. RIH with tubing and tag CIBP at 6687'. Load casing with 105 bbls water, circulate oil to production tank. Pressure test casing to 500# for 10 min, held OK. Plug #2 with CIBP at 6685', spot 12 sxs Class B cement to 6687' to isolate Gallup perforations and top. POH to 5145'. Plug #3 with 18 sxs Class B cement inside casing from 5145' to 4982' to cover Mesaverde top. POH to 3404'. Plug #4 with 57 sxs Class B cement inside casing from 3404' to 2890' to cover Pictured Cliffs, Fruitland and Ojo Alamo tops. POH to 1502' and reverse circulate with 20 bbls water, well clean. Shut in well. SDFD.

6-12-97 Safety Meeting. Open up well. Tubing at 1519'. Plug #5 with 19 sxs Class B cement inside casing from 1519' to 1350' to cover Nacimiento top. POH and LD tubing. Perforate 3 HSC squeeze holes at 359'. Establish circulation down 5-1/2" casing and out bradenhead with 16 bbls water. Plug #6 with 136 sxs Class B cement from 359' to surface, circulate 1 bbl good cement to surface. RD rig floor and ND BOP. Dig out wellhead. Cut wellhead off and found cement at surface. Mix 10 sxs Class B cement and install P&A marker. RD rig and equipment; move off location.

Al Yepa, Cuba BLM was on location 6/5/97.

# Oso CANYON Federal A-1 Plugging Job

6-5-97 to 6-12-97

All cmt CLASS "B" NCAT

8 5/8  
24"  
@ 309'  
w/360 ct  
Circ to  
Surface

136 SX 160.48 ft <sup>3</sup> cmt Surface to 359' Circ. 1381 to Surface	8.3 PPG
Perf @ 359' 3 shots	
19 SX 22.42 ft <sup>3</sup> cmt F/1350-1519	8.3 PPG
57 SX 67.26 ft <sup>3</sup> cmt F/2890-3409'	8.3 PPG
18 SX 21.24 ft <sup>3</sup> F/4982-5145	8.3 PPG
12 SX 14.12 ft <sup>3</sup> cmt F/6576-6685	8.3 PPG
Wireline CIBP @ 6687	
6710 Gallup Perfs 6982	8.3 PPG
20 SX 23.6 ft <sup>3</sup> cmt F/7298-7485' APPROVED: Dave Sitzler BLM	8.3 PPG
Wireline CIBP @ 7855	
7910 DAKOTA Perfs 7930	

CS9 5 1/2" 17" @ 8051

6-5-97 MIRUSU, START LAYING DOWN R.O.  
6-6-97 LAY DOWN Rods, NUBOP  
TOH w/TB9 (TALLY OUT)  
6-9-97 TOH w/REMAINING TB9  
Set Wireline CIBP @ 7860  
TIH w/TB9 TO 6688  
6-10-97 TIH w/TB9 TAG CIBP @ 7855  
PuH TO 7853  
6-11-97 Set Plug #1 20 SX 23.6 ft<sup>3</sup>  
F/7298-7485 APPROVED BY  
DAVE SITZLER BLM UCRBAI  
Set Wireline CIBP @ 6685  
Pressure TEST BRADENHEAD AT  
THIS TIME: DID NOT TEST  
Pump 2 BPM @ 300 PSI  
AL YEPA BLM WITNESS  
TIH w/TB9 TAG CIBP @ 6687  
Load Hole w/105 BW, CIRC OIL TO TANK  
Press TEST CS9 500 PSI 10 MIN - OK.  
Plug #2 12 SX 14.12 ft<sup>3</sup> cmt  
F/6576-6685 TOH TO 5145  
Plug #3 18 SX 21.24 ft<sup>3</sup> cmt  
F/4982-5145 TOH TO 3409  
Plug #4 57 SX 67.26 ft<sup>3</sup>  
F/2890-3409 TOH TO 1502'  
Reverse CIRC.  
6-12-97 TB9 @ 1519'  
Plug #5 19 SX 22.42 ft<sup>3</sup>  
F/1350-1519' TOH LD TB9  
Perf BRADEN HEAD @ 359' w/3 shots  
Est CIRC DOWN 5 1/2 CS9 TO SURFACE  
w/16 BW  
Plug #6 136 SX 160.48 ft<sup>3</sup>  
F/SURFACE TO 359' CIRC 1381 GOOD CMT  
TO SURFACE CUT OFF W/H MID 1024  
CMT INSTEAD BY A MARKER