

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Oil Cons.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No.
2. Name of Operator MARBOB ENERGY CORPORATION	6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 227, ARTESIA, NM 88211-0227	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (505) 748-3303	8. Well Name and No. ARCO 34 FEDERAL COM #1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1817 FNL 1055 FEL, SEC. 34-T17S-R29E, UNIT H	9. API Well No. 30-015-31290
	10. Field and Pool, or Exploratory Area GRAYBURG; MORROW (GAS)
	11. County or Parish, State EDDY CO., NM

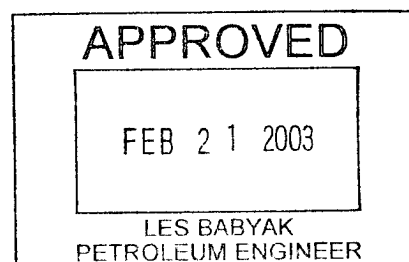
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" 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 recompleat 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.)

PROPOSAL TO CONVERT THE ABOVE WELL TO SALT WATER DISPOSAL IN ACCORDANCE WITH OCD'S ADMINISTRATIVE ORDER SWD-868 (WORKOVER PROCEDURE ATTACHED).

SUBJECT TO  
LIKE APPROVAL  
BY NMOCD



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

DIANA J. CANNON

Title PRODUCTION ANALYST

Signature

Date FEBRUARY 12, 2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

**Arco 34 Fed. No. 1 SWD  
H-34-17s-29e  
Eddy Co., NM**

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**SWD Conversion  
Cisco/Canyon Dolomite  
14 January 2003**

**Note:** See attached SWD Order 868. Notify OCD 24 hrs. in advance of installing injection tubing and packer. See attached wellbore sketches for wellbore info.

**Procedure:**

1. RIH with 4.75" bit and drill CIBP and cement at approx. 7245'.
2. Run cement retainer on tubing, set retainer at 7275', test annulus to 1000 psi, establish injection rate into Wolfcamp perms 7320-7336', then squeeze with 50 sx. Class H with FLA followed by 50 sx. Class H neat. Have extra neat cement on hand in case needed. When squeeze obtained, sting out, reverse tubing clean and TOO. When cement has cured, drill squeeze out and test to 1000 psi. Run in hole to at least 9600' before TOO with bit.
3. RU lubricator, run gauge ring/junk basket to at least 9600' and perf the Cisco/Canyon dolomite with 2 spf at any phasing at the depths shown below using a 4" casing gun.

Cisco/Canyon: 9364-9500' (approx. 274 shots)

4. RIH with nickel plated 5.5" retrievable packer on 2-7/8"/6.5/N80/EUE internally plastic coated tubing (Tuboscope TK-69 or similar) from George Young Sales. Plastic coat all subs and crossovers used. Space out to set packer near 9300', pump 150 bbls clean fresh water containing corrosion inhibitor, biocide and oxygen scavenger down annulus, set packer, tree well up and load annulus the rest of the way to surface (if not already full) with clean fresh water containing corrosion inhibitor, biocide and oxygen scavenger (total annular volume is 141 bbls). Bleed air if/as necessary and test the annulus to 300 psi for 30 minutes using a chart recorder.
5. RU treaters and install treating valve. Pump 20,000 gals. 20% HCl acid (no additives other than corrosion inhibitor for BHT=150°F and friction reducer) down tubing at highest rate achievable while limiting treating pressure to 7000 psi. Drop 7 slugs of 40 ballsealers spaced evenly throughout job. Flush acid with 1 or 2 transport loads of produced water. Limit surface treating pressure to 7000 psi while holding 500 psi on the annulus. RDMO WSU.
6. Plumb 2-7/8" x 5.5" annulus to surface and install a gauge so the annular pressure can be monitored. Build injection tree assembly and start water disposal. Limit injection pressure to 1872 psi.

Well: Arco 34 Fed. 1 SWD

Zen: 16.5' AGL

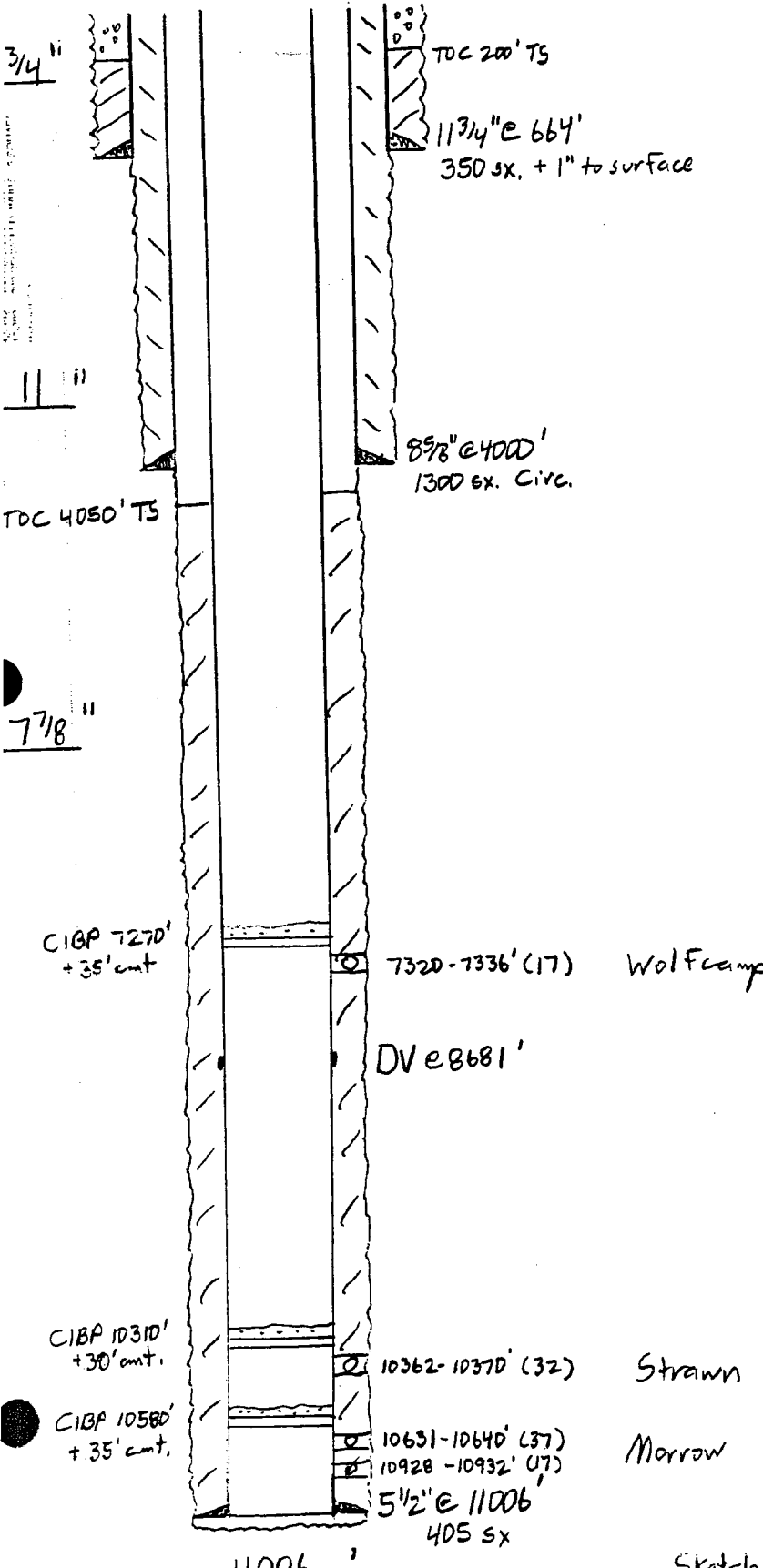
Location: 1817' N, 1055' E  
H-34-17s-29e  
Eddy NM

KB: 3562.5'

GL: 3546'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
1 1/4"	42	H40	STC	664'
8 5/8"	32	J55	STC	4000'
5 1/2"	17	N80	LTC	11006'



BEFORE

Well: Arco 34 Fed. 1 SWD

Zero: 16.5' AGL

KB: 3562.5'

GL: 3546'

Location: 1817' N, 1055' E

H-34-17s-29e

Eddy NM

Casing Program:

Size	Wt.	Grade	Conn.	Depth
11 3/4"	42	H40	STC	664'
8 5/8"	32	J55	STC	4000'
5 1/2"	17	N80	LTC	11006'
2 7/8"	6.5	N80	EVE	± 9300'
Internally Plastic Coated				

