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STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
Department of Natural Resources

COLO. OIL & GAS CONS. COMM.

APPLICATION FOR PERMIT TO USE EARTHEN PIT

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1. CHECK ONE: NEW PIT EXISTING PIT TREATMENT FACILITY OTHER FEB 28 1977

2. NAME OF OPERATOR PYRAMID OIL COMPANY *Red Mesa* COLO. OIL & GAS CONS. COMM.

3. ADDRESS OF OPERATOR P.O. BOX 2131 PHONE NO. 213-9446703
SANTA FE SPRINGS, CALIF. 90670

4. LEASE NAME TAYLOR WELL NO. 3 5. PRODUCING FORMATION MESA VERDE Gas 6. GROUND ELEVATION 6477'

7. LOCATION (Report location clearly to the nearest 10 acres) SEC. 28, T.33N., R.12W., N.M.P.M., NE 1/4 NE 1/4 SW 1/4 8. COUNTY LA PLATA 9. STATE COLO

10. SIZE OF PIT: 2 - PITS LENGTH 8 FT. WIDTH 8 FT. DEPTH 3 FT.

11. CAPACITY 68.4 BBLs. 12. ESTIMATED INFLOW 12 BIS/DAY

13. DISPOSAL OF PIT CONTENT: HAILED _____ DISPOSAL WELL _____ EVAPORATION

14. MAXIMUM FLUID LEVEL ABOVE AVG. GROUND LEVEL 0 FT.

15. DRAINAGE DISTANCE IN FEET TO CLOSEST FRESH WATER POND, STREAM OR LAKE 6680 FT.

16. SUBSOIL TYPE CLAY & ROCK

17. TYPE OF SEALING MATERIAL (Including specifications and Method of Application)
NONE - FRESH WATER ONLY IN PIT

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MAY 02 2012
OIL & GAS COMMISSION

18. ADDITIONAL INFORMATION (By attachment include detailed plan of operation, chemical analysis of produced water, necessary maps, logs and other information as may be required by Rules 325 and 326 of the Rules and Regulations of Oil and Gas Conservation Commission.)

PUMPING FRESH WATER OFF MESA VERDE GAS WELLS

DWR	
FJP	
HMM	
JAM	<input checked="" type="checkbox"/>
JJD	
GCH	
CEM	<input checked="" type="checkbox"/>

19. I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT

SIGNED *Charles V. Martin* TITLE VICE-PRESIDENT DATE 11-15-76

THIS SPACE FOR COMMISSION USE

APPROVED BY *W. Rogers* TITLE DIRECTOR DATE MAR 8 1977

CONDITIONS OF APPROVAL, IF ANY: SEE ATTACHED MEMO



115560

COLORADO OIL AND GAS CONSERVATION COMMISSION
Room 721, State Centennial Building
1313 Sherman Street
Denver, Colorado 80203



March 7, 1977

MEMO

TO: Doug V. Rogers

FROM: Carroll G. McDowell

SUBJECT: Office Evaluation of Retaining Pits

On March 2, 1977, an office evaluation was made of the retaining pits in the Red Mesa Field, La Plata County.

Pyramid Oil Co. - Dudley, SWSWNW 23-33N-12W,
" " - Turner, NWNWNW 26-33N-12W,
" " - Kroeger - Ferguson - 1, NENESW 27-33N-12W,
" " - " " - 2, NWNWSE 27-33N-12W,
" " - Harris, SWNESE 28-33N-12W,
" " - Taylor-1, NENESW 28-33N-12W,
" " - Taylor-3, NENESW 28-33N-12W.

The wells produce gas from the Mesaverde formation with a reported total dissolved solids (TDS) ranging from 12,377-25,049 ppm. Each lease has one retaining pit, with a reported inflow of 0-137 barrels of produced water per day. However, the Oil & Gas Commission records indicate the wells are producing no water. There are some water wells in the area, and the distances to the nearest creeks range from less than $\frac{1}{4}$ mile to about $\frac{1}{2}$ mile. The town of Red Mesa lies 2 to 3 miles northwest. About 50'-100' of alluvium is deposited on the surface, underlain by the Lewis shale formation.

Recommend all uncovered pits be kept free of possible oil accumulation, or covered should this occur. Should the wells start producing substantial quantities of water, all pits should be sealed or lined or the water injected.



00705022

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE Jan. 20, 1977

Casper

LAB NO. CL 6302

Company Pyramid Oil Company		Sample No. 47869		Date Sampled	
Field Marvel		Legal Description 28-33N-12W		County or Parish LaPlata	
Lease or Unit Taylor		Well #3		Depth 1500	
Type of Water (Produced, Supply, etc.)		Formation Mesaverde		Water, B/D	
Sampling Point			Sampled By		

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	8919	392.4
Calcium, Ca	90	4.5
Magnesium, Mg	45	3.6
Barium, Ba		

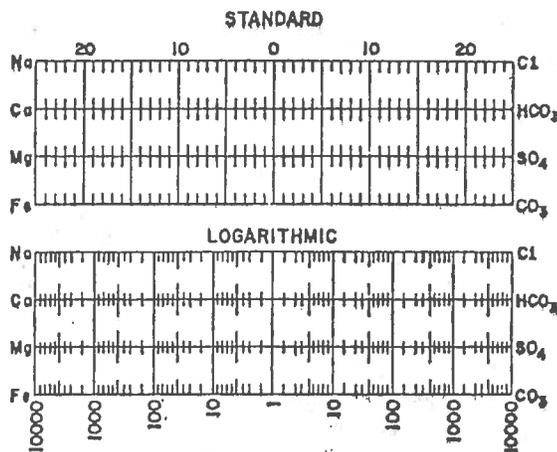
OTHER PROPERTIES

pH	7.95
Specific Gravity, 60/60 F.	1.012
Resistivity (ohm-meters) _____ F.	
_____ F.	
_____ F.	

ANIONS

Chloride, Cl	12700	355.6
Sulfate, SO ₄	10	0.2
Carbonate, CO ₃	163	5.4
Bicarbonate, HCO ₃	2460	39.4

WATER PATTERNS — me/l



Total Dissolved Solids (calc.)	24387
Iron, Fe (total)	8
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:

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COLD. OIL & GAS CONS. COMM.