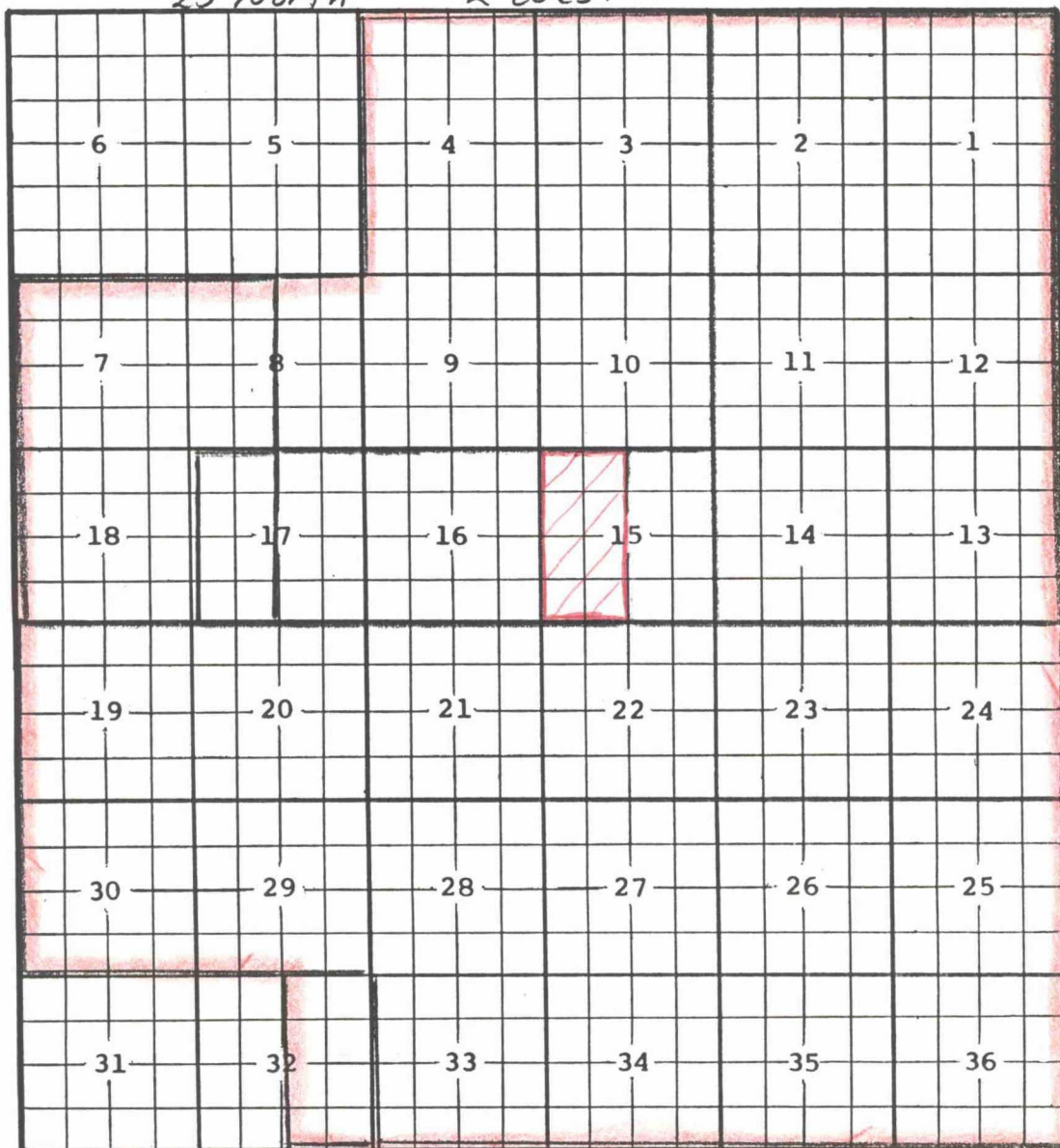


COUNTY Rio Arriba POOL Gavilan-Mancos Oil

TOWNSHIP 25 North RANGE 2 West NMPM



Description: All Secs. 19 through 30, All Secs. 33 through 36 (R-7407, 12-20-83)

Ext: $\frac{1}{2}$ Sec. 17 (R-8022, 8-22-85)

Ext: All Secs. 1 and 2, All Secs. 11 through 14 (R-8063, 1-3-86)

Ext: All Sec. 2, $\frac{1}{2}$ Sec. 8, All Secs. 15 and 16, $\frac{1}{2}$ Sec. 17, All Sec. 18, $\frac{1}{2}$ Sec. 32

(R-8417, 3-24-87) EXT: ALL SECS. 3 AND 4; $\frac{1}{2}$ SEC. 8; ALL SECS. 9+10 (R-8542 11/10/87)

County Rio Arriba Pool Gavilan Greenhorn-Graneros-Dakota Oil

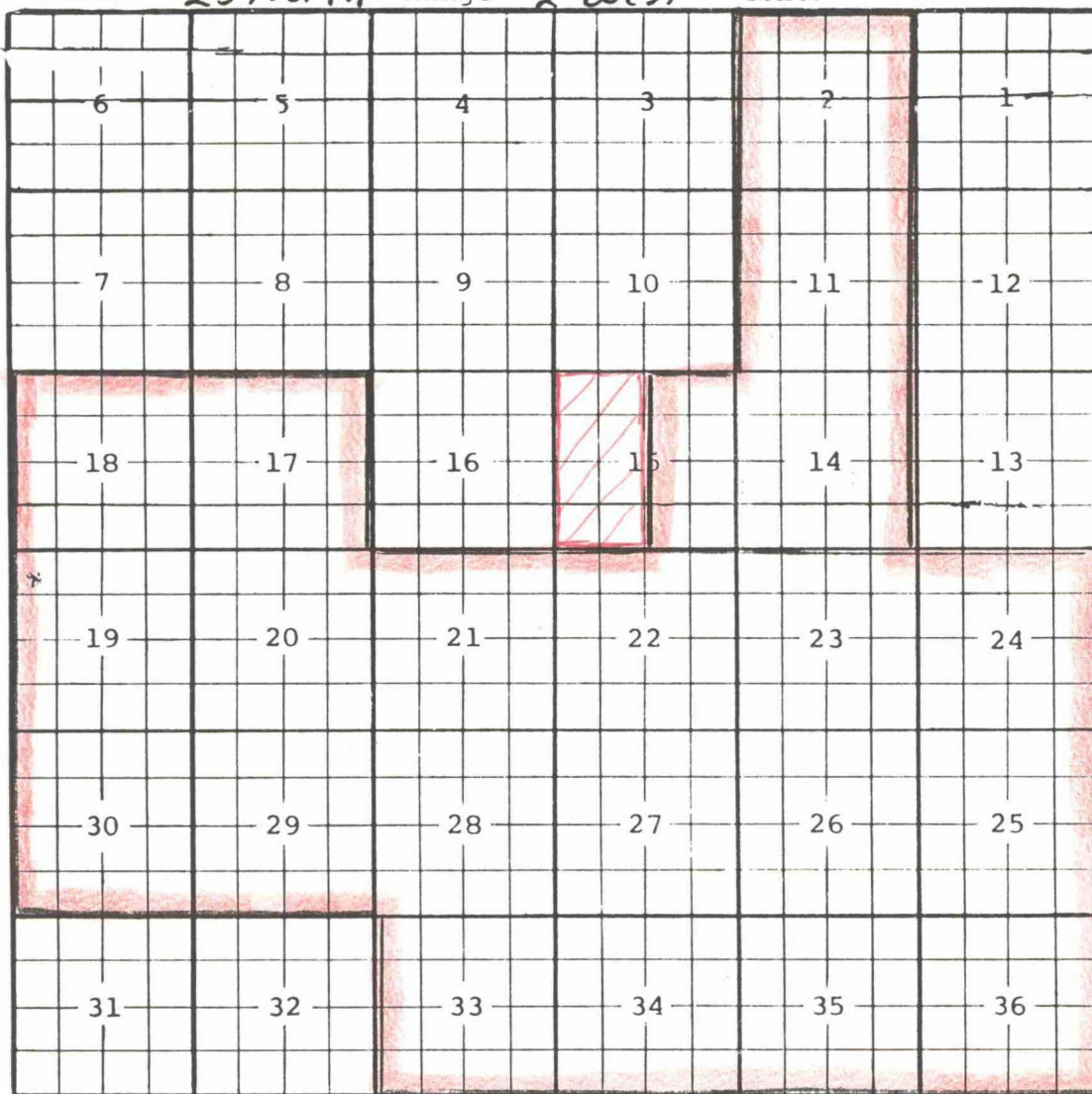
TOWNSHIP

25 North

Range

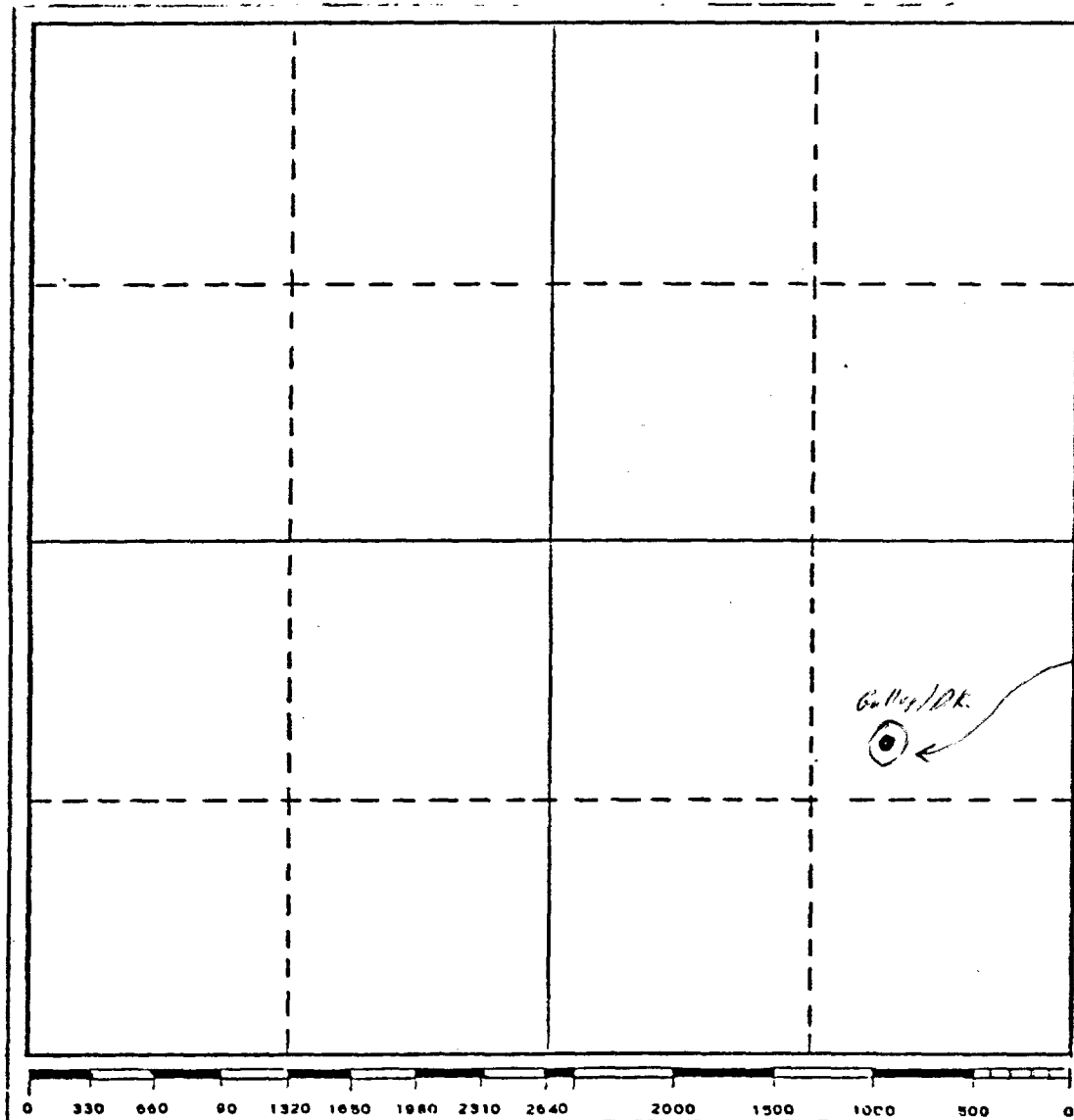
2 West

NMPM



Description: All Secs. 17 through 30, All Secs. 33 through 36
(A-7745, 11-30-84) Ext: All Sec. 2, All Sec. 11, All Sec. 14, E/2 Sec. 15
(A-8417, 3-24-87)

15, 25N, 2W



Reading & Bates
Petroleum Co.
Howard Federal
Well No. 43-15
1650' FSL - 790' TEL
Spud: 12/1/85
Date Completed
in the Gullery
Alamos Oil Pool
3/15/86
E/2 320-acre
dedication
as authorized
by R-7407-E.

PER.	EPOCH	NE ARIZONA	SE UTAH	SW COLORADO	NW NEW MEXICO
TERT	EOCENE	Chuska (ss)		Wasatch-San Jose (ss,sh)	Wasatch-San Jose (ss,sh)
	PALEOCENE			Animas (ss) Nacimiento (sh)	Animas (ss) Nacimiento (sh)
CRETACEOUS	MONTANAN			McDermott (cgl)	McDermott (cgl)
				Farmington ton(ss) Kirtland (sh) Fruitland (ss,sh)	Farmington ton(ss) Kirtland (sh) Fruitland (ss,sh)
				Pictured Cliffs (ss)	Pictured Cliffs (ss)
				Lewis (sh)	Lewis (sh)
				Cliff House (ss)	Cliff House (ss)
	COLORADOAN	Tohatchi (sh)		Menefee (coaly ss,sh)	Menefee (coaly ss,sh)
		Mesaverde (ss)		Pt. Lookout (ss)	Pt. Lookout (ss)
				Satan tongue U. Mancos (sh)	Satan tongue U. Mancos (sh)
				Hosta ton (ss) Niobrara (limy sh)	Hosta ton (ss) Niobrara (limy sh)
				Mulatto tongue (sh)	Mulatto tongue (sh)
JURASSIC	UPPER	Mancos (sh)		Gallup mem. (ss)	Gallup mem. (ss)
				Tacito mem. (ss)	Tacito mem. (ss)
				Sanstee mem. (sdy ls)	Sanstee mem. (sdy ls)
				L. Mancos mem. (sh)	L. Mancos mem. (sh)
				Greenhorn mem. (ls)	Greenhorn mem. (ls)
	MIDDLE			Graneros mem. (sh)	Graneros mem. (sh)
				Dakota (ss)	Dakota (ss)
				Burro Canyon (ss)	Burro Canyon (ss)
				Brushy Basin mem. (sh)	Brushy Basin mem. (sh)
				Westwater mem. (ss)	Westwater mem. (ss)
TRIASSIC	UPPER			Recapture mem. (sh)	Recapture mem. (sh)
				Salt Wash mem. (ss)	Salt Wash mem. (ss)
				Bluff (ss)	Bluff (ss)
				Summerville (sh)	Summerville (sh)
				Pony Express (ls)	Pony Express (ls)
	MIDDLE			Entrada (ss)	Entrada (ss)
				Carmel (sh)	Carmel (sh)
				Navajo (ss)	Navajo (ss)
				Kayenta (sh)	Kayenta (sh)
				Wingate (ss)	Wingate (ss)
PERMIAN	UPPER			Chinle (sh)	Chinle (sh)
				Shinarump (cgl)	Shinarump (cgl)
				Moenkopi (sh)	Moenkopi (sh)
				Ochoa	Ochoa
				Guadalupe	Guadalupe
	MIDDLE			Kaibab (ls) Haskinnini (sh)	Kaibab (ls) Haskinnini (sh)
				Coconino (ss) De Chelly (ss)	Coconino (ss) De Chelly (ss)
				Organ Rock (sh)	Organ Rock
				Cedar Mesa (ss)	Cedar Mesa
				Halgaita (sh)	Halgaita (sh)
PENNSYLVANIAN	UPPER			Cutler (ark,ss)	Cutler (ark,ss)
				Supai (sh)	Supai (sh)
				U. Hermosa (ls)	U. Hermosa (ls)
				Paradox (evap)	Paradox
				Pinkerton Trail (ls)	Pinkerton Trail (ls)
	MIDDLE			Molas (sh)	Molas (sh)
				Leadville (ls)	Leadville (ls)
				Ouray (ls)	Ouray (ls)
				U. Elbert (dol)	U. Elbert (dol)
				McCracken mem. (ss)	McCracken mem. (ss)
MISS.	UPPER			Aneth (sh,dol)	Aneth (sh,dol)
	MIDDLE				
DEVONIAN	UPPER				
	MIDDLE				
CAMBRIAN	UPPER				
	MIDDLE				
pre-CAMBRIAN	UPPER				
	MIDDLE				

*** Rico fm. (Transition From Cutler To Hermosa) Not Used In Chart

*** May Be Upper Devonian In Age

NOMENCLATURE CHART OF THE FOUR CORNERS' AREA

Compiled By G.K. Elias