

Left msg for James L. to call & discuss formation name
 "Call them all Mancos" 8/4/93 J
 per Jim L. 8/9/93

Ed -
 of twinc FYI

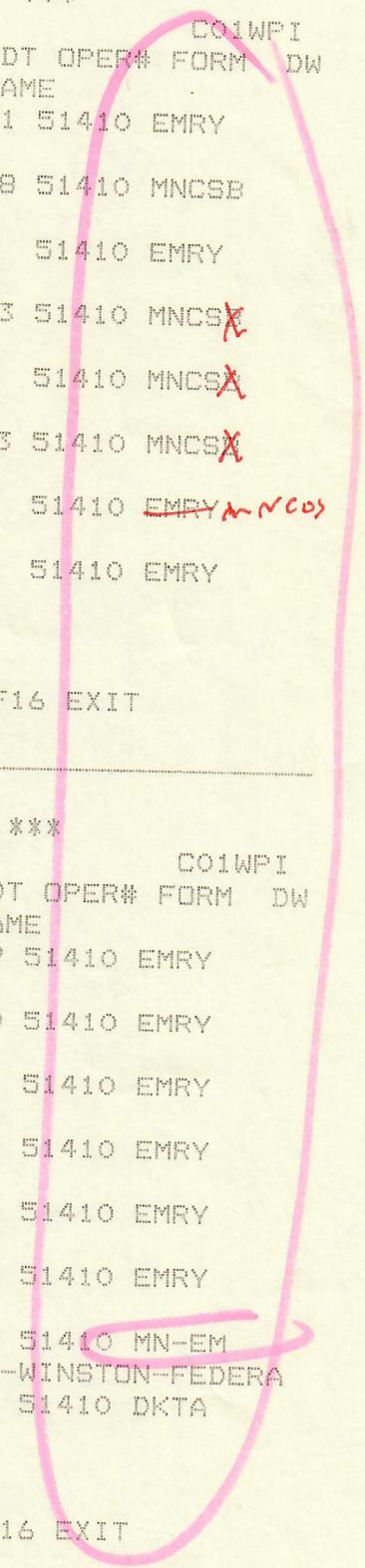


A
 B

MacSoft VT #1

*** COLORADO OIL & GAS INFORMATION MGMT SYSTEM ***
 WELL/PRODUCTION INFORMATION INQUIRY

API NUMBER	OBCC#	LOCATION	FIELD	WELL NO.	ST	STATDT	OPER#	FORM	DW
103 08555	O 44328	SWSW 13	3.0 S 101.0 W 6 M-13-3-1	PR	82081	51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08554	O	NESW 20	3.0 S 101.0 W 6 K-20-3-1	TA	82388	51410	MNCSB		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08588	O	SWSE 22	3.0 S 101.0 W 6 O-22-3-1	SI		51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08346	O	NENW 23	3.0 S 101.0 W 6 C-23-3-1	PR	60193	51410	MNCS	X	
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08347	O	SESE 23	3.0 S 101.0 W 6 P-23-3-1	SI		51410	MNCS	X	
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08359	O	SWSW 23	3.0 S 101.0 W 6 M-23-3-1	PR	60193	51410	MNCS	X	
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08345	O	NESW 26	3.0 S 101.0 W 6 K-26-3-1	SI		51410	EMRY	MNCS	
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08344	O	NWNW 26	3.0 S 101.0 W 6 D-26-3-1	SI		51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				



PF5 NEXT WELL SCREEN OR ENTER 'X' TO VIEW WELL RECORD OR PF16 EXIT

MacSoft VT #1

*** COLORADO OIL & GAS INFORMATION MGMT SYSTEM ***
 WELL/PRODUCTION INFORMATION INQUIRY

API NUMBER	OBCC#	LOCATION	FIELD	WELL NO.	ST	STATDT	OPER#	FORM	DW
103 07744	O 44415	SENE 26	3.0 S 101.0 W 6 26-1	PR	122179	51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08071	O 44325	SWSE 26	3.0 S 101.0 W 6 26-2	PR	61380	51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08587	O	NESW 27	3.0 S 101.0 W 6 K-27-3-1	SI		51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08532	O	SENE 27	3.0 S 101.0 W 6 H-27-3-1	SI		51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08600	O	NWSE 29	3.0 S 101.0 W 6 J-29-3-1	TA	82388	51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 08531	O	SENE 29	3.0 S 101.0 W 6 F-29-3-1	TA	82388	51410	EMRY		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				
103 07883	O 44416	SESE 34	3.0 S 101.0 W 6 34-1	PR	122079	51410	MN-EM		
LUDWICK*	JAMES L		CATHEDRAL		MARSHALL-WINSTON-FEDERA				
103 08797	O 44525	NWSW 35	3.0 S 101.0 W 6 L-35-3-1	PR	12784	51410	DKTA		
LUDWICK*	JAMES L		CATHEDRAL		FEDERAL				

PF5 NEXT WELL SCREEN OR ENTER 'X' TO VIEW WELL RECORD OR PF16 EXIT

PROBLEM RESOLUTION CONTACT TRACKING

INITIALS *ME* DATE *8/16/93* CONTACT *Jim Kenney*

PROBLEM: *Form 10 formations do not all match Form 5 nomenclature - Mr Ludwick would just as soon call them all "Manco's." Please let me know how to proceed - by either changing F10's to match F5's - or call all "Manco's" - or ?*

INITIALS DATE / / CONTACT

PROBLEM:

- (2) Enclosed with this application as Exhibit No. 2 is a topographic plat of the area around Dragon Trail Unit Well No. 121. Included on the plat are the location of all wells drilled in the area, including dry holes. Also shown on the plat are two circles, of one quarter and one half mile radius respectively, centered on Well No. 121. The one quarter mile circle encompasses the area within which Conoco is to investigate all wells which penetrate the Mancos formation for mechanical integrity. The one-half mile radius circle identifies those lands, the owners thereof which must be provided notice of this application.
- (3) The Mancos formation consists of a number of interbedded claystone, siltstone and sandstone units contained within the Cretaceous age Mancos shale. The two principle productive units in the area of the Dragon Trail Unit have been designated the "A" and "B" interval. The "A" interval has been treated as the stratigraphic equivalent of the Castlegate Sandstone of central Utah, while the "B" interval has been considered equivalent to the Emery sandstone. However, as both intervals are contained within the Mancos shale in this area, they should be considered as both intervals are contained within the Mancos shale in this area, they should be considered subsets of a single formation, rather than separate horizons. The Mancos formation does outcrop on the surface in certain portions of the Dragon Trail Unit. In the area of Dragon Trail Unit Well No. 121, the Mancos formation is overlain by the Mesa Verde formation. The Dakota formation underlies the Mancos formation throughout the region.
- (4) The "A" interval of the Mancos formation is a clean sandstone member approximately 20 feet in thickness. In the Dragon Trail Unit Well No. 121, the "A" interval of the Mancos formation extends from a measured depth (MD) of 2,312' - 2,330'. This is equivalent to a subsea vertical depth (SSVD) of +4,992' - +4,974'.
- (5) The "A" interval of the Mancos formation is overlain by a minimum of 200 feet of Mancos formation shale. There are no sources of fresh drinking water underlying the "A" interval of the Mancos shale.
- (6) Conoco recommends that the area of exemption for the "A" interval of the Mancos formation be defined as those lands located within a one half mile radius of the Dragon Trail Unit Well No. 121.
- (7) Enclosed with this application as Exhibit No. 3 is a Mancos "A" interval water analysis. The water sample used in the analysis was obtained from the Dragon Trail Unit Well No. 306 (originally the West Douglas Creek No. 6 well). Well No. 306 is located 2,073 feet from the north line (FNL) and 1,950 feet from the west line of Section 25, Township 2 South, Range 103 West, Rio Blanco County, Colorado. The sample from Well No. 306 is considered representative of Mancos "A" interval water quality throughout the Dragon Trail Unit.
- (8) The "A" interval of the Mancos formation does not currently serve as a source of drinking water. An investigation of Colorado state records indicates that there are no drinking water supply wells located within a nine section square (nine square mile area) centered on Section 33, T2S, R102W. Information supporting this conclusion was obtained from the following source:

Colorado Division of Water Resources
Records Division
1313 Sherman Street, Room 822
Denver, Colorado 80202
(303) 866-3447
Attention: Ms. Bonnie Tusinger