



00241603

DRILLING & GEOLOGICAL REPORT

Prenalta-W. L. Walker Cedar Creek Ranch #1
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 12-T9N-R55W
Cottonwood Field
Logan County, Colorado

Elevation: 4350' K.B., 4340' G.L.

RECEIVED

AUG 22 1984

COLO. OIL & GAS CONS. COMM.

- 10/6/80 Rig up Exeter Rig 13. Ran 3 jts. 8-5/8", 24#, SFC csg. to 129'.
Cement w/120 sacks.
- 10/7/80 Drilling 7-7/8" hole @ 2171'.
- 10/8/80 Drilling @ 4206'.
- 10/9/80 Drilling @ 5035'. Dev. 1/4" @ 5035'.
- 10/10/80 Drilling @ 5340'. Dev. 1/4" at 5422'.
- 10/11/80 Drilled to 5470' driller's T.D. Ran Schlumberger IES & FDC logs.
Wireline T.D. 5466'. Log tops: "D" sand 5280' (- 930')
"J" sand 5390' (-1040')
- 10/12/80 Ran DST #1 5406-5428' (straddle). Open w/good blow, to bottom of
bucket in 2 minutes. Gradually increase to 4# in one hr. Gas to
surface in one hr. 25 minutes, pressure remaining steady at 4#
(39 MCFPD) throughout rest of 2 hr. flow period. Shut-in one hr.
Recovered 997' of fluid as follows:

2' oil
90' MCO
905' water (1.1 R_w @ 70°, 5500 ppm)

Sampler: 1800 cc water w/oil scum

FP 146-456
SIP 1149
HP 2777-2723

Misrun-bottom packer failed.

Ran DST #2 5406-5420' (straddle). Open w/good blow, to bottom of
bucket in 2 minutes. Increase to 4# in one hr. Gas to surface one
hr. 10 minutes. Started decreasing in 90 minutes to 1-1/2# at end
of 2 hr. flow period. Shut-in one hr. Recovered 957' fluid as
follows:

20' MCO
60' HO CM
874' water

Sampler: 1800 cc water w/oil scum

FP 164-456
SIP 1167
HP 2759-2705

Bottom packer held.

Plugged and abandoned. 15 sx cement @ base surface casing and 10 sx
cement @ top surface.

WRS	
FJP	
HHM	
JAM	
RCC	
LAR	
CGM	
ED	

Sample Description

RECEIVED

AUG 22 1984

COLO. OIL & GAS CONS. COMM.

<u>Bag Depth</u>	<u>Lags to</u>	
5260-70'	5230-40'	Sh, blk
5270-80'	5240-50'	Sh, blk
5280-90'	5250-60'	Sh, blk
5290-5300'	5260-90'	Sample top "D" - 5285'
5300-10'	5290-5303'	Sh to 5285', then SS, wh fg, litely silica cemented,
(Trip @ 5317')		firm, tite to ppp, no stn, fr sf, pr to no cut
5310-20'	5303-10' ?	SS, tan, fg, cln, fri, ex p&p, NS
5320-30'	5310-19'	Silt & sh (trip sample)
5330-40'	5319-28'	Sh w/sm SS, vfg, tan, pt clayfilled, pt fri, tite
5340-50'	5328-40'	to ppp, NS
5350-60'	5340-45'	Silt & sh
5360-70'	5345-50'	As above
5370-77'	5350-75'	As above
5377 C.30	5375-77'	As above
5377-80'	(trip sample)	As above
5380-85'	5377-80'	Silt to ex fg SS, gry-tan, tite, NS
5385-90'	5380-85'	As above
5390 C.30	5385-88'	As above
5390-95'	5388-90'	Sh
5395-5400'	5390-94'	Sh
5400-05'	5394-97'	Sh
5405-10'	5397-5401'	Sh
5410-15'	5401-07'	Sh w/SS, ex fg, wh, tite, NS
5415 C.30	5407-11'	As above
5415 C.60	5411-15'	As above
5415-20'	5415'	As above
5420-22'	5415-19'	As above
5422-25'	Trip	Sh
5425-30'	5419-23'	SS, wh, f-mg, cln, fri, ex p&p, no stn, fr to faint
5430-35'	5423-29'	sf, v.faint cut (Note: sf brighter when fresh, then
5435-40'	5429-30'	fades to v. dull as chip dries - gas show?)
5440-45'	5430-31'	SS, wh, fg, litely clay bonded, fri, lo p&p, NS
5445-50'	5431-40'	Sh w/SS, vfg, wh, clayfilled, tite, NS
5450-60'	5440-50'	Sh w/SS, vfg, wh, clayfilled, fri in pt, tite to
5460-70'	5450-60'	lo ppp, NS
5470 C.60	5460-70'	As above
		Sh & silt
		As above
		As above

WRS	
FJP	
HHM	
JAM	
RCC	
LAR	
CGM	
ED	

Logged by:

Willis L. Walker
 204 Petroleum Bldg.
 Billings MT 59101