

Preliminary
DRILLING PLAN

>PROSPECT/FIELD Yampa COUNTY Moffat STATE Colorado
> OWNERS MERIDIAN OIL INC.
> WELL NO. MOI #23-11 LEASE Kline
> LOCATION NESW, Section 11-T7N-R91W
> EST. T.D. 5765' GROUND ELEV 6505' (Est.)

>PROGNOSIS: Based on 6517' KB
> MARKER DEPTH/SUBSEA REMARKS >LOGS: TYPE INTERVAL
> Ft. Union Surface/+6505 > GR/SP/DIL/SFL TD-560'*
> Lance 775 / +5742 > GR/LDT/CNL TD-560'*
> Lewis (Fox Hills) 1863 / +4645 > GST Over Coal Seams
> Lewis (Shale) 1991 / +4526 > *Request - 2 Logging Runs
> Lewis (Sandstone) 2345 / +4172 Secondary Objective > DEVIATION:
> Mesaverde 4217 / +2300 > Surf: 3° max, 1°/100'; every 500'
> Upper Coal 4503 / +2014 > Prod: 5° max, 1°/100'; every 500'
> Middle Coal 5363 / +1154 Primary Objective > and on bit trips
> T.D. 5763 / + 754 > DST'S: Lewis Sandstone

RECEIVED

NOV 07 1989

COLO.OIL & GAS CONS.COMM.

>Note: The Trout Creek Sandstone is beneath the Mesaverde
> Middle Coals. Every effort should be made to stay
> out of this sand.

> Surface Formation:

>Max. Anticipated BHP: +2710 psi

MUD:	Interval	Type	WT	VIS	WL	Remarks
	Surface - 560'	Spud mud	8.5-8.8	35-50	NC	Sweep as necessary Possibly spud with weighted mud
	560' - 5365'	FW/Disp.	8.8-13.0	40-50	NC	Wt. up as needed Circ. steel tanks
	5365' - 5765'	Air or Air Mist	8.5-8.8	35-50	10-20	Add Gel to clean hole. Poss. foam.

CASING:	Size	Hole	Depth	Cement	Remarks
> Surface:	9-5/8"	12-1/4"	560'	Class "G"	Circ. cmt to surface.
> Intermediate:	7"	8-3/4"	5365'	Class "G"	Cement to surface casing
> Liner:	5"	6-1/4"	5765'	No Cement	Hang liner w/hold downs 100' into 7" casing.

>PROBABLE PLUGS, IF REQ'D:
> As required by State of Colorado



00221918

>OTHER: Mudlogger/Geologist on at surface.

Prep By: JDC Date: 10-25-89 Doc. No. 140

R.91W

Sand

Gulch

Lease Boundary
S/2 Section 11

MOI 23-11 Kline

THIS ROUTE
Highway 105

T.7N

To Craig, Colo.
Approx. 2 Miles