

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building                      Portland 1, Oregon

LOG AND CORE RECORD OF OIL OR GAS WELL  
(Submit in duplicate)

In compliance with rules and regulations pursuant to ORS 520.095 (Chapter 667 OL 1953).

Operator OROCO OIL AND GAS COMPANY                      Field East Willow Creek  
Well No. McBride #1                      , Sec. 19                      , T. 16 S                      , R. 46                      , East W. B. & M.

FORMATIONS PENETRATED BY WELL

Depth to		Thickness	Drilled or Cored	Recovery	Description
Top of Formation	Bottom of Formation				
surface	- 590'	590'	Drilled	-	Sand (stringer of shale @ 150')
590'	840'	250'	"		Predominantly shale w/sand and coarse qtz. sand, signs-bentonite
840'	1000'	260'	"		Lt. gry silty volcanic ash
1000'	1140'	140'	"		Bentonite, shale & trace sand
1140'	1260'	120'	"		Silt, calcite, lt. gry tuf.
1260'	1515'	255'	"		Conglomerate, lt. gry tuf. sand stringers
1515'	1525'	10'	Cored	2'	shale
1525'	1840'	315'	Drilled		Bentonite, shale, lt. gry tuf, sand
1840'	2040'	200'	"		Shale, pyrite, sand stringers, lt. gry grn. glauconite, silt
2040'	2280'	240'	"		Red, grn & blk. basalt, lt. gry tuf shale & sign pyrite
2280'	2445'	155'	"		Blk fine gr. basalt
2445'	2460'	15'	"		Lt gry tuf, shale
2460'	2680'	220'	"		Blk fine gr. basalt
2680'	2700'	20'	"		Gry silt blk basalt
2700'	2750'	50'	"		Silt lt. gry tuf
2750'	2980'	230'	"		Basalt, lt. gry. tufsiltst, sand str.
2980'	3700'	720'	"		Basalt
<u>3700'</u>					<u>first sign of serpentine</u>
3700'	4376'	676'	"		Serpentine
4376'	4392'	16'	Cored	2'	Serpentine
4392'	4506'	114'	Drilled		Serpentine
	T.D.				